

List of Scientific Publications in English, update: January 14, 2010; PRINT: January 24, 2010
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- 1965:
1. E.C. Kooijman, J. Wolters, J. Spierenburg, and J. Reedijk; Transmercurations effected by monoarylmercury compounds; *J. Organometal. Chem.* **3** (1965) 487.
- 1967:
2. J. Reedijk and W.L. Groeneveld; Complexes with ligands containing nitrile groups. Part II; Methyl cyanide complexes of some mono- and divalent metal chlorides with tin tetrachloride. *Recl.Trav.Chim.Pays-Bas*, **86** (1967) 1103
3. J. Reedijk, A.P. Zuur and W.L. Groeneveld; Complexes with ligands containing nitrile groups. Part III. Infrared spectra of coordinated methyl cyanide; *Recl.Trav.Chim.Pays-Bas*, **86** (1967) 1127
- 1968:
4. J. Reedijk, P.W.N.M. van Leeuwen and W.L. Groeneveld; A semi-empirical energy-level diagram for octahedral Nickel(II) complexes; *Recl.Trav.Chim.Pays-Bas*, **87** (1968) 129
5. J. Reedijk and W.L. Groeneveld; Complexes with ligands containing nitrile groups. Part V; Metal(I) and metal(II) methyl cyanide solvates with tetrachlorometallate(III) anions; *Recl.Trav.Chim.Pays-Bas*, **87** (1968) 513
6. J. Reedijk; Methyl cyanide as a ligand; Ph.D. Thesis, Leiden University, 1968
7. J. Reedijk and P.W.N.M. van Leeuwen; Metal-ion dependence of shifts in vibrational frequencies; *Proc.Int.Conf.Coord.Chem.*, **11** (1968) 616
8. J. Reedijk and W.L. Groeneveld; Complexes with ligands containing nitrile groups. Part VI. Some methyl cyanide adducts of metal chlorides; *Recl.Trav.Chim.Pays-Bas*, **87** (1968) 552.
9. J. Reedijk, P.W.N.M. van Leeuwen and W.L. Groeneveld; Complexes of ligands containing S=O. Part VI. Metal-ligand vibrations in complexes of tetramethylene sulfoxide; *Recl.Trav.Chim.Pays-Bas*, **87** (1968) 1073
10. J. Reedijk and W.L. Groeneveld; Complexes with ligands containing nitrile groups. Part VII. Metal-ligand vibrations in methyl cyanide solvates; *Recl.Trav.Chim.Pays-Bas*, **87** (1968) 1293.
11. J. Reedijk and W.L. Groeneveld; Complexes with ligands containing nitrile groups. Part X. Spontaneous reduction of iron(III) chloride in methyl cyanide; *Recl.Trav.Chim.Pays-Bas*, **87** (1968) 1293.
- 1969:
12. J. Reedijk; Complexes with ligands containing nitrile groups. Part IX. Magnetic measurements on solid methyl cyanide solvates; *Recl.Trav.Chim.Pays-Bas*, **88** (1969) 86
13. J. Reedijk, P. Vrijhof and W.L. Groeneveld; Complexes of ligands containing S=O. Part VII. Sulfolane as a ligand; *Inorg.Chim.Acta*, **3** (1969) 271
14. J. Reedijk; The ligand properties of pyridine-N-oxide. Extension and discussion; *Recl.Trav.Chim.Pays-Bas*, **88** (1969) 499
15. J. Reedijk and W.L. Groeneveld; Complexes with ligands containing nitrile groups. Part XI. The formation of chloromercurate(II) anions with mono- and divalent cations in acetonitrile; *Recl.Trav.Chim.Pays-Bas*, **88** (1969) 655.
16. J. Reedijk and A.M. van der Kraan; Mössbauer effect of octahedral iron(II) solvates; *Recl.Trav.Chim.Pays-Bas*, **88** (1969) 828
17. J. Reedijk, W.L. Driessen and W.L. Groeneveld; A semi-empirical energy-level diagram for octahedral cobalt(II) complexes; *Recl.Trav.Chim.Pays-Bas*, **88** (1969) 1095
18. J. Reedijk, A.H.M. Fleur and W.L. Groeneveld; Complexes of ligands containing S=O. Part VIII. Metal solvates with the ligand 1,4-dithiane monosulfoxide; *Recl.Trav.Chim.Pays-Bas*, **88** (1969) 1115
19. J. Reedijk; The ligand properties of hydroxypyridines. Part I. Hexakis(2-pyridone)metal perchlorates and tetrafluoroborates; *Recl.Trav.Chim.Pays-Bas*, **88** (1969) 1139
20. J. Reedijk; Pyrazoles and imidazoles as ligands. Part I. Some simple metal(II) perchlorates and tetrafluoroborates solvated by neutral pyrazole and imidazole; *Recl.Trav.Chim.Pays-Bas*, **88** (1969) 1451
21. J. Reedijk; Pyrazoles and imidazoles as ligands. Part II. Coordination compounds of N-methylimidazole with metal perchlorates and tetrafluoroborates; *Inorg.Chim. Acta*, **3** (1969) 517
- 1970:
22. J. Reedijk, J.B. Vervelde and W.L. Groeneveld; Complexes with ligands containing nitrile groups. Part XII. Metal(I) and metal(II) acetonitrile solvates with tetrachlorometallate(III) anions; *Recl.Trav.Chim.* **29** (1970) 42
23. J. Reedijk; Pyrazoles and imidazoles as ligands. Part III. Coordination compounds of containing 3(5)-methyl pyrazole and metal(II) salts; *Recl.Trav.Chim.* **89** (1970) 605
24. J. Reedijk; Pyrazoles and imidazoles as ligands. Part IV. Ligand-field spectrum of tetragonal coordination compounds containing 3(5)-methylpyrazole; *Recl.Trav.Chim.* **89** (1970) 993
25. G. Brokaar, W.L. Groeneveld and J. Reedijk; Complexes with ligands containing nitrile groups. Part XIV. Metal(II) and metal(I) acetonitrile solvates with hexa(isothiocyanate)tin(IV) anions; *Recl.Trav.Chim.* **89** (1970) 1117
26. J. Reedijk; Tetragonal complexes of Mn(II), Fe(II), Co(II) and Ni(II); *Proc.Int.Conf.Coord.Chem* **13** (1970) 57
27. J. Reedijk; The coordination chemistry of pyrazoles; *Proc.Int.Conf.coord.Chem.* **13** (1970) 189
- 1971:
28. J. Reedijk; Pyrazoles and imidazoles as ligands. Part V. Infrared and Raman spectra of 3(5)-methylpyrazole coordinated to metal(II) salts; *Recl.Trav.Chim.* **90** (1971) 117
29. J. Reedijk; Pyrazoles and imidazoles as ligands. Part VI. Coordination compounds of metal(II) perchlorates, tetrafluoroborates and nitrates containing the ligand N-n-butylimidazole; *J.Inorg.Nucl.Chem.* **32** (1971) 179
30. J. Reedijk; Pyrazoles and imidazoles as ligands. Part VII. N-n-butylimidazole as a ligand to metal(II) halides and isothiocyanates; *Recl.Trav.Chim.* **90** (1971) 1249
31. J. Reedijk, J.C.A. Windhorst, N.H.M. van Ham and W.L. Groeneveld; Pyrazoles and imidazoles as ligands. Part IX. Some adducts formed between Cu(II) salts and substituted pyrazoles; *Recl.Trav.Chim.* **90** (1971) 234
32. J. Reedijk; Acrylamide, an oxygen-donor ligand to metal(II) perchlorates and tetrafluoroborates; *Inorg. Chim. Acta* **5**, (1971) 687
33. J. Reedijk; Pyrazoles and imidazoles as ligands. Part VIII. Mössbauer spectra of octahedral Fe(II) solvates containing substituted pyrazoles and imidazoles as ligands; *Recl.Trav.Chim.* **90** (1971) 1285
34. R.D.Dowsing, B. Nieuwenhuijse and J. Reedijk; Pyrazoles and imidazoles as Ligands. Part X. Electron Paramagnetic Resonance Spectra of Mn(II) coordinated by four pyrazoles and two anions; *Inorg. Chim. Acta* **5** (1971) 301
35. J. Reedijk and J.A. Smit; Pyrazoles and imidazoles as Ligands. Part XIII. Transition-metal(II) nitrates and isothiocyanates coordinated by pyrazole and 3(5)-methyl pyrazole; *Recl.Trav.Chim.* **90** (1971) 1135
36. J. Reedijk, B.A. Stork-Blaisse and G.C. Verschoor; Pyrazoles and imidazoles as ligands. Part XIV. The crystal and molecular structure of dibromotetrakis(5-methylpyrazole)manganese(II); *Inorg.Chem.* **10** (1971) 2594
37. J. Reedijk, D. Knetsch and B. Nieuwenhuijse; Pyrazoles and imidazoles as ligand. Part XV. Preparation, spectra and magnetic

- properties of di- μ -hydroxo-bis-[di(2-methylimidazole)copper(II)] diperchlorate dihydrate; *Inorg. Chim. Acta* **5** (1971) 568
- 1972:**
38. A.D. van Ingen Schenau, W.L. Groeneveld and J. Reedijk; Alcohols as ligands. Part II. Metal(II) salts containing coordinated methanol; *Recl.Trav.Chim.* **91** (1972) 88
39. J. Reedijk; Pyrazoles and imidazoles as Ligands. Part XII. Transition-metal(II) perchlorates, tetrafluoroborates containing 2-methylimidazole as a ligand; *Recl.Trav.Chim.* **91**, (1972) 507
40. J. Reedijk and B. Nieuwenhuijse; Interpretation of EPR spectra of powdered octahedral nickel(II) complexes with nitrogen-donor ligands; *Recl.Trav.Chim.* **91** (1972) 533
41. J. Reedijk; Zero-field splittings in tetragonal Nickel(II) compounds; *Proc.Int.Conf.Coord.Chem* **14** (1972) 316
42. J. Reedijk and J.A. Smit; The ligand properties of hydroxypyridines. Part II. Metal(II) nitrates containing coordinated 2-pyridone; *Recl.trav.Chim.* **91** (1972) 681
43. J. Reedijk and D.W. Engelfriet; Pyrazoles and imidazoles as ligands. Part XI. Mössbauer spectra of tetragonal pyrazole complexes of Fe(II); *Recl.Trav.Chim.* **91** (1972) 883
44. F.W. Klaaijzen, J. Reedijk and H.T. Witteveen; Low-temperature heat capacity and paramagnetic susceptibility measurements on some tetragonal nickel(II) compounds; *Z. Naturforschung* **27a** (1972) 1531.
45. J. Reedijk; Pyrazoles and imidazoles as ligands. Part XVI; Transition-metal(II) perchlorates, tetrafluoroborates and nitrates coordinated by 1,2-dimethyl imidazole; *Recl.Trav.Chim.* **91** (1972) 1373
- 1973:
46. C.D. Jansen-Ligthelm, W.L. Groeneveld and J. Reedijk; Complexes with containing nitrile groups. Part XV. The ligand properties of benzyl cyanide; *Inorg.Chim.Acta* **7** (1973) 113
47. J. Reedijk, H.D.K. Codee and W.L. Groeneveld; Colourless salts of the bis(2,6-lutidine-N-oxide)hydrogen(I) cation; *J.Inorg.Nucl.Chem.* **35** (1973) 1014
48. H.T. Witteveen and J. Reedijk; Structural Information from EPR powder spectra of Mn(II) doped Rb_2MgCl_4 , Rb_2MgCl_3Br and $Rb_2MgCl_2Br_2$; *Solid State Commun.* **12** (1973) 397
49. J. Reedijk, F.W. Klaaijzen and H.T. Witteveen; Zero-field splitting in tetragonal di-iodotetrakispyrazole Manganese(II); *J.Chem.Soc.Faraday Transact.II* **69** (1973) 1537
50. M.W.G. de Bolster, B. Nieuwenhuijse and J. Reedijk; ESR spectra of some Mn(II) complexes of hexamethylphosphoramide and nonamethylimidophosphoramide; *Z.Naturforschung* **28b** (1973) 104
51. J. Reedijk; Pyrazoles and imidazoles as Ligands. Part XVII. Coordination compounds formed between 1,2-dimethyl imidazole and metal(II) halides and isothiocyanates; *J.Inorg.Nucl.Chem.* **35** (1973) 239
52. H. Okkersen, W.L. Groeneveld and J. Reedijk; Pyrazoles and imidazoles as ligands. Part XVIII. Neutral and anionic pyrazole coordinated to Cu(I) and Ag(I); *Recl.Trav.Chim.* **92** (1973) 945
53. J. Reedijk and G.C. Verschoor; Pyrazoles and imidazoles as Ligands. Part XX. Crystal and Molecular structure of hexakis(2-methylimidazole)Cadmium(II) tetrafluoroborate; *Acta Cryst.* **B29** (1973) 721
54. A. Nieuwpoort and J. Reedijk; Spectroscopic and magnetic properties of compounds containing the hydrazinium cation as a ligand; *Inorg.Chim.Acta* **7** (1973) 323
55. H.T. Witteveen and J. Reedijk; Anti-ferromagnetic interaction in dichlorobis(pyrazole)manganese(II): three independent determinations; *Solid State Commun.* **12** (1973) 557
56. J. Reedijk, H.T. Witteveen and F.W. Klaaijzen; Pyrazoles and imidazoles as ligands. Part XXI. Evidence for rhombic distortion in *trans*-dinitratotetrakis(pyrazole)nickel(II) from low-temperature heat capacity and paramagnetic susceptibility; *J. Inorg. Nucl. Chem.* **35** (1973) 3439
57. B. Nieuwenhuijse and J. Reedijk; Jahn-Teller distortions in copper(II) complexes as determined from ESR powder spectra; *Chem.Phys.Letters*, **22** (1973) 201
58. H.T. Witteveen and J. Reedijk; Linear-chain anti-ferromagnetism in $Ni(N_2H_3)_2(SO_4)_2$; *Solid State Commun.* **12** (1973) 1121
- 1974:**
59. J.C. Jansen and J. Reedijk; Pyrazoles and imidazoles as ligands. Part XIX. Complex formation between imidazole and nickel(II) salts; *Z.Naturforschung* **29b** (1974) 527
60. H.T. Witteveen and J. Reedijk; Linear-chain anti-ferromagnetism in compounds $M(N_2H_3)_2(SO_4)_2$ with M = Mn, Fe, Co, Ni, Cu; *J. Solid State Chem.* **10** (1974) 151
61. A.D. van Ingen Schenau, W.L. Groeneveld and J. Reedijk; Far-infrared spectra of hexakis(pyridine-N-oxide)metal(II) complexes; *Spectrochim. Acta* **30A** (1974) 151
62. J. Reedijk and P.J. van der Put; ESR spectra and structure of octahedral, high-spin Co(II); *Proc.Int.Conf.Coord.Chem.* **16** (1974) 227b.
63. M.A. Guichelaar, J.A.M. van Hest and J. Reedijk; Formation of solid fluoride complexes from metal(II) tetrafluoroborates; *Inorg.Nucl.Chem.Letters* **10** (1974) 999
64. P.J. van der Put and J. Reedijk; Proton Magnetic Resonance of Paramagnetic Dithiolatocobaltates; *Proc.Int.Conf.Coord.Chem.* **16** (1974) R78
65. H.T. Witteveen, B. Nieuwenhuijse and J. Reedijk; Linear-chain anti-ferromagnetism in compounds MnX_2L_2 , with X=Cl, Br: L = pyrazole, pyridine; *J.Inorg.Nucl.Chem.* **36** (1974) 1535
- 1975:**
66. J. Reedijk, H. Schrijver and J.A. Welleman; Coordination compounds containing 1-methyl-2-pyridone; *Recl.Trav.Chim.* **94** (1975) 40.
67. H.T. Witteveen, W.L.C. Rutten and J. Reedijk; Susceptibility measurements on the linear-chain compounds; $NiX_2(L)_2$, with X=Cl,Br and L=pyrazole, pyridine; *J.Inorg.Nucl.Chem.* **37** (1975) 913.
68. J. Reedijk, J.A.M. van Hest and F.W. van der Meer; Infrared spectroscopy of Ni(II) hexaammines; *Educ. in Chem.* **12** (1975) 113
69. J.C. van Dam, G. Hakvoort, J.C. Jansen and J. Reedijk; Thermochemistry of Nickel(II) imidazole complexes; *J.Inorg.Nucl.Chem.* **37** (1975) 713
70. J. Reedijk, T.M. Mulder and J.A. Smit; The coordination Chemistry of 2-imidazolidinone; *Inorg.Chim.Acta* **13** (1975) 219
- 1976:**
71. R.C. van Landschoot, J.A.M. van Hest and J. Reedijk; Metal coordination compounds containing thiabendazole; *J.Inorg.Nucl.Chem.* **38** (1976) 181
72. J.C. Jansen and J. Reedijk; Hexakis(imidazole)nickel(II) formate: an example of a coordination; compound containing uncoordinated formate ions; *Recl.Trav.Chim.* **95** (1976) 52
73. F.B. Hulsbergen, J.A. Welleman and J. Reedijk; Metal(II) perchlorates and tetrafluoroborates coordinated by 1-ethyl-2-pyridone; *Delft Progr. Rep.Ser.A.* **1** (1976) 137

74. H. Algra, F.J.A.M. Greidanus, J.J. de Jongh, W.J. Huiskamp and J. Reedijk; Hyperfine specific heat of two paramagnetic, octahedrally coordinated Co(II) compounds; *Physica (B)* **83** (1976) 85
75. J. Reedijk and C.G. van Kralingen; Formation of soluble, five-coordinate Co(II) fluoro complexes from tetrafluoroborate in anhydrous ethanol; *Proc. 5th Int. Conf. Non-Aqueous Sol.* (1976) A11
76. J.P. Barbier, R.P. Hugel, P.J. van der Put and J. Reedijk; Magnetic measurements, electron spin resonance and far-infrared spectra of manganese(II) by imidazole; *Recl.Trav.Chim.* **95** (1976) 585
77. J. Reedijk and J.K. de Ridder; The coordination of Pd(II) and Pt(II) by imidazole; *Inorg.Nucl.Chem.Letters*, **12** (1976) 585.
78. C.G. van Kralingen and J. Reedijk; Dimeric fluoro-bridged five-coordinate Cobalt(II) pyrazole compounds; the X-ray structure of μ -difluorohexakis(3,5-dimethyl pyrazole)dicalc(II) tetrafluoroborate; *J.Chem. Soc. Chem. Commun.* (1976) 533
79. A. de Jager, J.J. de Vrieze and J. Reedijk; The coordination chemistry of 2,6-dimethyl-4-pyrone; *Inorg.Chim.Acta*, **20** (1976) 59.
80. J. Reedijk; Unusual decomposition reactions of metal(II) tetrafluoroborates by azoles; *Proc.Int.Conf.Coord.Chem.* **17** (1976) 305
81. M.A. Guichelaar, J.A.M. van Hest and J. Reedijk; Pyrazoles and imidazoles as ligands. XXII. 3,5-dimethyl pyrazole as a ligand to Mn(II), Co(II), Ni(II) and Zn(II); *Delft Progr. Rep.* **2** (1976) 51
- 1977:
82. H. Algra, L.J. de Jongh, W.J. Huiskamp and J. Reedijk; Experimental study of the dilute S.C. $S=1/2$ XY anti-ferromagnet: specific heat of $\text{Co}_{1-x}\text{Zn}_x(\text{C}_6\text{H}_5\text{NO})_6(\text{ClO}_4)_2$; *Physica* **86-88B** (1977) 737.
83. J. Reedijk, F.B. Hulsbergen, P.J. van der Put and J.A. Welleman; Formation of tetrameric Co(II) fluoro clusters from Co(II) tetrafluoroborates and N-alkyl imidazoles; *Proc.Int.Conf.Coord.Chem.* **18** (1977) 169
84. A. Vermaas, W.L. Groeneveld and J. Reedijk; Ligand-field calculations on pseudo-tetragonal Ni(II) compounds; *Z.Naturforsch.* **32a** (1977) 632.
85. J. Reedijk, F.B. Hulsbergen and J.A. Welleman; Coordination of metal ions by immobilized imidazole ligands; *Proc. Int. Conf. Coord. Chem.* **18** (1977) 242.
86. J.A.C. van Ooijen, P.J. van der Put and J. Reedijk; Compressed tetragonal geometry in Cu(II)-doped dichlorobis(pyrazole)Cadmium; *Chem. Phys. Letters*, **51** (1977) 380
87. R.C. van Landschoot, J.A.M. van Hest and J. Reedijk; Coordination compounds of thiabendazole with non-toxic metals; *J. Inorg. Nucl. Chem.* **39** (1977) 1913
88. J.C. Jansen, H. van Koningsveld and J. Reedijk; The first cubane-type fluoro-bridged cluster; *Nature*, **269** (1977) 318
89. G. Hakvoort, J.C. van Dam and J. Reedijk; Thermochemistry of Nickel(II) complexes with imidazole and N-methyl imidazole; *Proc.Int.Conf.Therm.Anal.* **5** (1977) 186
90. F.B. Hulsbergen, J. Manassen, J. Reedijk and J.A. Welleman; Polystyrene-immobilised imidazole ligands; metal complexes and catalytic properties; *J. Molec. Catal.* **3** (1977) 47
91. J.A.C. van Ooijen and J. Reedijk; Linear-chain anti-ferromagnetism and spectroscopy of compounds CuX_2L_2 , with $\text{X}=\text{Cl}, \text{Br}$ and $\text{L} =$ substituted pyridine; *Inorg.Chim.Acta*, **25** (1977) 131
92. A. Vermaas, W.L. Groeneveld and J. Reedijk; Ligand-field calculations on pseudo-tetragonal high-spin Fe(II) compounds.
- Part I. Calculations of paramagnetic susceptibility and electric quadrupole splitting; *Z.Naturforsch.* **32a**, (1977) 1393.
93. A. Vermaas, W.L. Groeneveld and J. Reedijk; Ligand-field calculations on pseudo-tetragonal high-spin Fe(II) compounds. Part II. Interpretation of experimental magnetic susceptibility, magnetic saturation, Mössbauer spectra and ligand-field spectra in a single model; *Z.Naturforsch.* **32a** (1977) 1404
- 1978:
94. J.A. Welleman, F.B. Hulsbergen, J. Verbiest and J. Reedijk; Influence of the alkyl chain length in N-alkyl imidazoles upon the complex formation with transition-metal salts; *J.Inorg.Nucl.Chem.* **40** (1978) 143.
95. H.M.J. Hendriks and J. Reedijk; Tetrakis(1,2-dimethyl imidazole)copper(II) dichloride. Preparation and identification of an unexpectedly stable compound; *Inorg.Nucl.Chem.Letters*, **14** (1978) 27.
96. H.A. Algra, J. Bartolome, L.J. de Jongh, R.L. Carlin and J. Reedijk; Specific heat of $\text{Fe}(\text{C}_6\text{H}_5\text{NO})_6(\text{ClO}_4)_2$ below 1 K. Comparison with the s.c. $S=0.5$ Ising magnet; *Physica* **93B**, (1978) 114.
97. J. Reedijk and J. Verbiest; A dimeric high-spin Nickel(II) compound with a transition to monomeric tetrahedral Nickel(II); *Trans.Met.Chem.* **3**(1978)51
98. C.G. van Kralingen, J.A.C. van Ooijen and J. Reedijk; Polymeric coordination compounds of Ni(II), Co(II) and Zn(II) with oxalate ions as symmetric tetradentate bridging ligands; *Trans.Met.Chem.* **3** (1978) 90.
99. J. Reedijk, J.C. Jansen, H. van Koningsveld and C.G. van Kralingen; The synthesis, structure, spectroscopic and magnetic properties of a new class of dimeric, fluoro-bridged high-spin Cobalt(II) compounds, containing substituted pyrazole ligands; *Inorg.Chem.* **17** (1978) 1990.
100. J.A.C. van Ooijen, E. van Tooren and J. Reedijk; Acoustic emission during the preparation of dichloro(pyrazine)zinc(II); *J.Am.Chem.Soc.* **100** (1978) 5569.
101. C.G. van Kralingen and J. Reedijk; Coordination compounds of Pt(II) with N-methyl imidazole; *Inorg.Chim.Acta* **30** (1978) 171
102. J.A.C. van Ooijen and J. Reedijk; X-ray structure, spectroscopy and magnetism of one-dimensional oxalato- and squarato-bridged coordination compounds; *Proc.Int.Conf.Coord.Chem.* **19(2)**, (1978) 95
103. C.G. van Kralingen and J. Reedijk; Anti-tumour activity of Pt(II) complexes with heterocyclic nitrogen donor ligands. Influence of hydrogen bonding properties of the ligand; *Proc.Int.Conf.Coord.Chem.* **19(2)**, (1978) 73
104. J.A.C. van Ooijen and J. Reedijk; Magnetic exchange in some polynuclear bis(azole)dihalogenocopper(II) complexes; *J.Chem.Soc.Dalton* (1978) 1170
105. R.J.M. Nolte, J. Zwicker, J. Reedijk and W. Drenth; Poly(iminoethylenes).8. Circular insertion mechanism of Nickel(II)-catalysed polymerisation of isocyanides; *J.Molec.Catal.* **4** (1978) 423.
106. M.A. Guichelaar and J. Reedijk; Complex formation of adenine and 9-methyladenine with transition-metal salts in ethanol; *Recl.Trav.Chim.* **97** (1978) 295
107. B.J. Graves, D.J. Hodgson, C.G. van Kralingen and J. Reedijk; Synthesis and structural characterisation of cis-dichlorobis(N-methylimidazole)Platinum(II) and cis-dibromobis(N-methylimidazole)Platinum(II); *Inorg.Chem.* **17** (1978) 3007
108. C.G. van Kralingen and J. Reedijk; Anti-tumour activity of Pt(II) compounds with heterocyclic ligands; *Biochimie*, **60** (1978) 1057

1979:

- 109.J.A.C. van Ooijen and J. Reedijk; Linear-chain anti-ferromagnetism in the one-dimensional compounds $\text{CoCl}_2(\text{pyrazole})_2$ and $\text{CoCl}_2(\text{indazole})_2$; *J.Magn.Magn.Mater.* **12** (1979)4.
- 110.P.J. Hoek and J. Reedijk; Coordination of transition-metal ions by chelating cation-exchange resins; Co(II) , Ni(II) and Cu(II) coordinated by the iminodiacetate group in Chelex-100; *J.Inorg.Nucl.Chem.* **41** (1979) 401
- 111.P.C.M. Gubbens, A.M. van der Kraan, J.A.C. van Ooijen and J. Reedijk; Mössbauer effect study of oxalato-bridged Fe(II) chain compounds; *J. de Phys.(C)*, **40** (1979) 328
- 112.M. Verhage, D.A. Hoogwater, J. Reedijk and H. van Bekkum; Formation of spiro compounds by an unusual intra-molecular nucleophilic substitution n o-bromomethyl-substituted benzils and benzophenones; *Tetrahed.Letters* (1979) 1267
- 113.H.A. Algra, L.J. de Jongh and J. Reedijk; Specific heat near to the critical concentration for the diluted simple cubic magnet $\text{Co}_x\text{Zn}_{1-x}(\text{C}_5\text{H}_5\text{NO})_6(\text{ClO}_4)_2$; *Phys.Rev.Letters*, **42** (1979) 606
- 114.H.M.J. Hendriks and J. Reedijk; Substituted imidazoles as ligands for copper(I) and copper(II). Stabilisation of copper(I) in case of bulky substituents; *Recl.Trav.Chim.Pays-Bas*, **98** (1979) 95.
- 115.J.A.C. van Ooijen, J. Reedijk and A.L. Spek; Crystal and molecular structure, spectroscopy and magnetism of diaquabis(imidazole)catena- μ -(1,3-squarato)Nickel(II). A one-dimensional polymer; *Inorg.Chem.*, **18** (1979) 1184
- 116.C.G. van Kralingen, J.K. de Ridder and J. Reedijk; Coordination compounds of Pr(II) and Pd(II) with imidazole as a ligand. New synthetic procedures and characterisation; *Inorg.Chim.Acta*, **36** (1979) 69.
- 117.J. Reedijk and J. Verbiest; Coordination compounds derived from transition-metal salts and bis(3,5-dimethylpyrazolyl)methane; *Trans.Metal Chem.*, **4** (1979) 239
- 118 W.A. Moonen, M.Peereboom and J. Reedijk; Oxidation of ethanol by Ce(IV) in acid nitrate medium; *React.Kin.Catal.Letters*, **11** (1979) 383
- 119.J. Reedijk, G. Roelofsen, A.R. Siedle and A.L. Spek; The crystal structure of benzotriazolothallium(I) and its relation with the mechanism of corrosion inhibition by benzotriazole; *Inorg.Chem.*, **18** (1979) 1947
- 120.H.M.J. Hendriks, W.O. ten Bokkel Huinink and J. Reedijk Synthesis, characterisation and complex formation of N,N,N',N' -tetrakis(2-benzimidazolylmethyl)-1,2-ethanediamine, a new hexadentate ligand; *Recl.Trav.Chim.Pays-Bas*, **98** (1979) 499
- 121.J.A.C. van Ooijen, J. Reedijk and A.L. Spek; Magnetism and structure of copper (II) coordination compounds. Crystal and molecular structure of *trans*-dichlorobis-(N-methylimidazole)copper(II); *J.Chem.Soc. Dalton*, (1979) 1183
- 122.C.G. van Kralingen and J. Reedijk; Dihalogeno(histamine)platinum(II) compounds; synthesis and characterisation; *J. Inorg.Nucl.Chem.*, **41** (1979) 1395
- 123.J. Reedijk; The donor site in indazole and other azoles; *Transit. Metal Chem.*, **4** (1979) 335
- 124.J.J. Smit, L.J. de Jongh, J.A.C. van Ooijen, J. Reedijk and J.C. Bonner; Susceptibility and high-field magnetization curves for $\text{CuBr}_2(\text{N}_2\text{C}_4\text{H}_6)_2$: an alternating $S=1/2$ Heisenberg chain; *Physica*, **97B** (1979) 229
- 125.J.A.C. van Ooijen, J. Reedijk, E.J. Sonneveld and J.W. Visser; One-dimensional magnetism and crystal structure of *catena*-di-bromobis(3,5-dimethylpyridine)copper(II); *Trans.Metal Chem.*, **4** (1979) 305
- 126.H.M.J. Hendriks and J. Reedijk; New Copper(II) dimers bridged by the imidazolato ligand; *Inorg.Chim.Acta*, **37** (1979) L509
- 127.J.J. Smit, G.M. Nap, L.J. de Jongh, J.A.C. van Ooijen and J. Reedijk; Magnetic measurements on dimeric and tetrameric fluoro-bridged cobalt and manganese compounds; *Physica*, **97B** (1979) 365
- 128.C.M. van den Bleek, J.W. Eek, J. Reedijk and P.J. van den Berg; Problems around the reduction of nitrogen oxides in the presence of oxygen; *Proc.Int.Chem.Eng.Symp.*, **57** (1979) R1
- 1980:
- 129.C.G. van Kralingen and J. Reedijk; New Platinum anti-tumor drugs; synthesis, activity and X-ray crystal structure determination; *Ciencia Biologica*, **5** (1980) 159
- 130.P.C.M. Gubbens, A.M. van der Kraan, J.A.C. van Ooijen and J. Reedijk; Low-Temperature magnetic behaviour of the linear-chain compound $\text{FeCl}_2(\text{pyrazole})_2$; *J.Magn.Magn.Mater.* **15-18** (1980) 636
- 131.R.C. Van Landschoot, J.A.M. van Hest and J. Reedijk; Transition-metal 2,4,6-trichlorophenolates coordinated by imidazole, N-methylimidazole and 1,2-dimethylimidazole; *Inorg.Chim.Acta*, **46** (1980) 41
- 132.J.C. Jansen, H. van Koningsveld, J.A.C. van Ooijen and J. Reedijk; Structure and magnetic exchange in di- μ -chloro-bridged Nickel(II) dimers. Crystal and molecular structure of di- μ -chlorobis(bis(3,5-dimethylpyrazolyl)methane)dinickel(II); *Inorg.Chem.*, **19** (1980) 170
- 133.M.B. Cingi, A.M. Manotti Lanfredi, A. Tiripicchio, J. Reedijk and R.C. Van Landschoot; Spectroscopic study and X-ray structure of bis(N-methylimidazole)bis(2,4,6-trichlorophenolato)cobalt(II); *Inorg.Chim.Acta*, **39** (1980) 181
- 134.C.G. van Kralingen, J.K. de Ridder and J. Reedijk; Coordination compounds of platinum(II) and palladium(II) with pyrazole as a ligand. New synthetic procedures and characterisation; *Trans. Metal. Chem.*, **5** (1980) 73
- 135.M.B. Cingi, A.M. Manotti Lanfredi, A. Tiripicchio, C.G. van Kralingen and J. Reedijk; Spectroscopic study and X-ray structure of tetra(N-methylimidazole)platinum(II) hexachloroplatinate(VI); *Inorg. Chim. Acta*, **39** (1980) 265
- 136.A.T.M. Marcelis, C.G. van Kralingen, J. Opschoor and J. Reedijk; Coordination compounds of platinum(II) with 2-methylimidazole and 1,2-dimethylimidazole; *Recl. Trav. Chim.*, **99** (1980) 198
- 137.H.M.J. Hendriks, P.J.M.W.L. Birker and J. Reedijk; Copper(I) and Copper(II) coordinated by chelating ligands bases on imidazole; *Proc.Int.Conf.Coord.Chem.*, **21** (1980) 210
- 138.P.J. McCarthy and J. Reedijk; Low-temperature ligand-field and far-infrared spectra of *trans*-dichlorotetrakis(5-methylpyrazole)nickel(II) and *trans*-dibromotetrakis(5-methylpyrazole)nickel(II); *Inorg. Chim. Acta*, **40** (1980) 239
- 139.A.T.M. Marcelis, C.G. van Kralingen and J. Reedijk; A NMR investigation of the interaction between Platinum(II) compounds and GMP; *Proc.Int.Conf.Coord.Chem.*, **21** (1980) 426
- 140.P.J.M.W.L. Birker, S. Gorter, H.M.J. Hendriks and J. Reedijk; Copper(II) coordinated in an unusual manner by a N_6 -donor chelating ligand; *Inorg. Chim. Acta*, **45** (1980) L63
- 141.C.G. van Kralingen, J. Reedijk and A.L. Spek; Synthesis and characterisation of anti-tumor-active Platinum 2,2-dimethyl-1,3-diaminopropane compounds. Crystal and molecular structure of (malonato)(2,2-dimethyl-1,3-diaminopropane)Platinum(II); *Inorg. Chem.*, **19** (1980) 1481
- 142.J. Verbiest, J.A.C. van Ooijen and J. Reedijk; Dimeric, fluoro-bridged, six-coordinate transition-metal compounds derived from tetrafluoroborates and bis(3,5-dimethylpyrazolyl)methane; *J. Inorg. Nucl. Chem.*, **42** (1980) 971
- 143.A.J. Schouten, G. Challa and J. Reedijk; Oxidative coupling of phenols catalyzed by copper chloride coordinated to aminated polystyrene;

- A possible model reaction for dioxygen reduction by laccase and tyrosinase; *J. Molec. Catal.*, **2** (1980) 41
- 144.R.W.M. ten Hoedt and J. Reedijk; Dimeric Fluoro-bridged Copper(II) coordination compounds; *J. Chem. Soc. Chem. Commun.*, (1980) 844
- 145.P.J.M.W.L. Birker, J. Helder and J. Reedijk; Synthesis of 1,6-bis(2'-benzimidazolyl)-2,5-dithiahexane and its copper compounds; *Recl. Trav. Chim.*, **99** (1980) 367
- 146.W.E. Estes, W.E. Hatfield, J.A.C. van Ooijen and J. Reedijk; Magnetic properties and superexchange in single chloride bridged copper(II) chain compounds; *J. Chem. Soc. Dalton Trans.*, (1980) 2121
- 147.P.J. Hoek and J. Reedijk; Coordination of transition metals by chelating cation-exchange resins; Co(II), Ni(II), Zn(II) and Cu(II) coordinated by the 8-quinolinol group in spheron oxine 1000; *J. Inorg. Nucl. Chem.*, **42** (1980) 1759
- 148.A.T.M. Marcelis, C.G. van Kralingen and J. Reedijk; The interactions of cis- and trans-diammineplatinum compounds with 5'-guanosine monophosphate and 5'-deoxyguanosine monophosphate. A proton NMR investigation; *J. Inorg. Biochem.*, **13** (1980) 213
- 149.J. Reedijk; Synthesis, structure and magnetic exchange properties of dimeric, tetrameric and linear-chain type fluoro-bridged coordination compounds; *Proc. VIIIth Int. Conf. Coord. Chem. (Smolenice)*, (1980) 349
- 1981:
- 150.P.J.M.W.L. Birker, H.M.J. Hendriks and J. Reedijk; The X-ray structure of (N,N,N',N'-tetra(2'-benzimidazolylmethyl)-1,2-ethanediamine)dicationic bis(perchlorate). A unique example of copper(I) linearly coordinated by imidazole ligands; *Inorg. Chim. Acta*, **55** (1981) L17
- 151.J.G. van Berkum, G. Hakvoort and J. Reedijk; Thermal analysis of Cu(II) imidazole coordination compounds; *Thermochemica Acta*, **43** (1981) 49
- 152.A.W. Addison, H.M.J. Hendriks, J. Reedijk and L.K. Thompson; Copper complexes of the tripod ligand tris(2'-benzimidazolylmethyl)amine: Five- and Six-coordinate copper(II) derivatives and some copper(I) derivatives; *Inorg. Chem.*, **20** (1981) 103
- 153.J.A. Welleman, F.B. Hulsbergen and J. Reedijk; Polystyrene-immobilised imidazole ligands; synthesis and complex formation with transition metal salts; *Makromol.Chem.*, **182** (1981) 785
- 154.R.W.M. ten Hoedt and J. Reedijk; Synthesis, characterisation and magnetic behaviour of tetra- μ_3 -fluorododecakis(5-methylpyrazole- N^2)-tetrametal tetrakis(tetrafluoroborates); *Inorg. Chim. Acta*, **51** (1981) 23
- 155.J. Reedijk; Electronic Spectra and Electron Spin Resonance of Tetragonal Copper(II) N-alkyl Imidazole Compounds; *Trans.Met.Chem.*, **6** (1981) 195
- 156.J.C. van Dam, G. Hakvoort and J. Reedijk; Thermal analysis of Ni(II) N-methylimidazole compounds; *J. Therm. Anal.*, **20** (1981) 3
- 157.P.J.M.W.L. Birker, H.M.J. Hendriks, J. Reedijk and G.C. Verschoor; Coordination compounds of chelating ligands containing imidazole groups. Synthesis and characterisation of Copper(I) and Copper(II) complexes of N,N,N',N'-tetrakis((-2-benzimidazolyl)methyl)-1,2-ethanediamine and the X-ray structure of an (N,N,N',N'-tetrakis((2-benzimidazolyl)-methyl)-1,2-ethanediamine)copper(II) cation; *Inorg. Chem.*, **20** (1981) 2408
- 158.H.J. Korte, C.G. van Kralingen, B. Krebs, A.T.M. Marcelis and J. Reedijk; Tetrakis(imidazole)platinum(II) bis(triiodides). The crystal and molecular structure of tetrakis(1,2-dimethylimidazole)platinum(II) bis(triiodide); *Inorg. Chim. Acta*, **52** (1981) 61
- 159.G. Nieuwpoort and J. Reedijk; The coordination chemistry of optically-active ligands; Copper(II) and Nickel(II) compounds containing S(+)-1-amino-2-propanol as a ligand; *Recl. Trav. Chim.*, **100** (1981) 378
- 160.A.T.M. Marcelis, G.W. Canters and J. Reedijk; Chelation of cis-Pt(NH₃)₂Cl₂ by the deoxynucleotide d(C-C-G-G); *Recl. Trav. Chim.*, **100** (1981) 391
- 161.P.J.M.W.L. Birker, J. Reedijk and G.C. Verschoor; Synthesis, structure and properties of cluster compounds with D-penicillamine containing Cu(I), Cu(II), Ag(I), Ni(II) and Pd(II). X-ray structure of pentakis(hexaamminecobalt(III)) tris(μ_8 -chloro-octahedrohexakis(μ_4 -cis-bis(D-penicillaminato(2-)-N,S)nickel(II)-S,S')-cubo-octa-argentate(I))-n-water, (Co(NH₃)₆)₅(Ag₈Ni₆(SC(CH₃)₂CH(NH₂)-COO)₁₂Cl)₃•197H₂O; *Inorg. Chem.*, **20** (1981) 2877
- 162.J. Brouwer, P. v.d. Putte, A.M.J. Fichtinger-Schepman and J. Reedijk; Base-pair substitution hotspots in GAG and GCG nucleotide sequences in *Escherichia coli* K-12 induced by cis-diamminedichloroplatinum(II); *Proc.Natl.Acad.Sci.(USA)*, **78** (1981) 7010
- 163.R.W.M. ten Hoedt, J. Reedijk and G.C. Verschoor; Synthesis, structure and magnetism of di- μ -fluorobis-(3,5-dimethylpyrazole)tetrakis(5-methylpyrazole)dicationic bis(tetrafluoroborate); *J. Chem. Soc. Chem. Commun.*, (1981) 1124
- 164.P.J.M.W.L. Birker, A.J. Schierbeek, G.C. Verschoor and J. Reedijk; A new imidazole-containing octadentate ligand, capable of binding two metal ions; the X-ray structure of the dinuclear ZnCl₂ adduct of 1,1,4,7,7-penta(benzimidazol-2-ylmethyl)-1,4,7-triazasheptane; *J. Chem. Soc. Chem. Commun.*, (1981), 1124
- 1982:**
- 165.R.J. Broekema, P.F.M. Durville, J. Reedijk and J.A. Smit; The coordination chemistry of N-vinylimidazole; *Trans.Metal.Chem.*, **7** (1982) 25
- 166.H.M.J. Hendriks, P.J.M.W.L. Birker, G.C. Verschoor and J. Reedijk; Dimeric Copper(II) compounds with a tripodal imidazole-containing ligand and bridged by imidazole, benzimidazolate and benzotriazolate ions. Crystal and molecular structure of μ -(benzotriazolato-N1,N3)bis((tris(N-methylbenzimidazolyl-2-ylmethyl)amine-N,N3,N3',N3'')copper(II) trinitate; *J.Chem.Soc. Dalton Trans.*, (1982) 623
- 167.J. Reedijk and R.W.M. ten Hoedt; Structure and magnetic properties of fluoro-bridged coordination compounds of first-row transition-metal ions; *Recl. Trav. Chim.Pays-Bays*, **101** (1982) 49
- 168.P.J.M.W.L. Birker, J. Heelder, G. Henkel, B. Krebs and J. Reedijk; Synthesis and spectroscopic characterisation of copper(I) and copper(II) complexes with 1,6-bis(2-benzimidazolyl)-2,5dithiahexane(BBDH). X-ray structure of trigonal-bipyramidal (Cu(BBDH)Cl)Cl•2C₂H₅OH; *Inorg. Chem.*, **21** (1982) 357
- 169.M.G.B. Drew, S.M. Nelson and J. Reedijk; Imidazole bridged binuclear copper(II) complexes of macrocyclic ligands: Electron spin resonance spectra and magnetic susceptibility studies; *Inorg. Chim. Acta*, **64** (1982) L189
- 170.L.R. Groeneveld, G. Vos, G.C. Verschoor and J. Reedijk; Crystal structure of *catena*-poly-(thiocyanato-N)cadmium-di- μ -(thiocyanato-N)-(thiocyanato-N)cadmium-tris- μ -4-t-butyl-1,2,4-triazole- $N^1:N^2$). A new, alternating zig-zag chain containing N-bonded, bridging thiocyanate; *J. Chem. Soc. Chem. Commun.*, (1982) 620
- 171.A.T.M. Marcelis, J.H.J. den Hartog and J. Reedijk; Intrastrand crosslinking of the guanines of the deoxytriple nucleotide d(G-C-G) via cis-Pt(NH₃)₂Cl₂; *J.Amer.Chem.Soc.*, **104** (1982) 2664
- 172.J. Brouwer, A.M.J. Fichtinger-Schepman, P. v.d. Putte and J. Reedijk; Influence of temperature on Platinum binding to DNA, Cell Killing and Mutation induction in *E.coli*; K-12 cells treated with cis-diamminedichloroplatinum(II); *Cancer Res.*, **42** (1982) 2416

- 173.F.J. Rietmeijer, P.J.M.W.L. Birker, S. Gorter and J. Reedijk; Copper(I) and Copper(II) chelates containing imidazole and thioether groups; synthesis of the ligand 1,2-bis(benzimidazole-2'-ylmethylthio)benzene (bbtb) and the X-ray Crystal structure at -52°C . of $\text{Cu}(\text{bbtb})(\text{H}_2\text{O})(\text{ClO}_4)_2 \cdot 5\text{EtOH}$; *J. Chem. Soc., Dalton Trans.*, (1982) 1191
- 174.F.B. Hulsbergen, R.W.M. ten Hoedt, G.C. Verschoor and J. Reedijk; Copper-assisted addition of 3(5)-methylpyrazole to acetaldehyde. Synthesis, structure and magnetism of a unique tetranuclear copper(II) compound: bis(μ -(1-(1-ethanoyl)-5-methylpyrazolato- N^2, O))-tetrakis(μ -(3(5)-methylpyrazolato- N^1, N^2))-bis(nitrato)tetracopper(II); *Inorg. Chem.*, 21 (1982) 2369
- 175.J. Reedijk; Formation of fluoride-containing coordination compounds by decomposition of transition-metal tetrafluoroborates; *Comm.Inorg. Chem.*, 1 (1982) 379
- 176.H.M.J. Hendriks, P.J.M.W.L. Birker, J. van Rijn, G.C. Verschoor and J. Reedijk; Synthesis and Characterization of Coordination Compounds of Chelating Ligands Containing Imidazole Groups. The Crystal and molecular structures of the dinuclear Cu(I) and Cu(II) compounds ($\text{N}, \text{N}, \text{N}', \text{N}'$ -tetrakis(2'-benzimidazolylmethyl)-1,2-ethanediamine)dnicopper(I) bisperchlorate and of μ -(nitrato- O, O')-bis(nitrato- O)($\text{N}, \text{N}, \text{N}', \text{N}'$ -tetrakis(2'-(1'-methyl)-benzimidazolylmethyl)-1,2-ethanediamine)dnicopper(II) nitrate tetrahydrate; *Inorg. Chem.*, 21 (1982) 2637
- 177.M.J. Schilstra, P.J.M.W.L. Birker, G.C. Verschoor and J. Reedijk; Cu^{I} and Cu^{II} compounds of 1,7-bis(2'-benzimidazolyl)-2,6-dithiaheptane (BBDHp). The X-ray structure of linearly coordinated Copper(I) in the cation $[\text{Cu}^{\text{I}}(\text{BBDHp})]^+$; *Inorg. Chem.*, 21 (1982) 2637
- 178.J. Reedijk, A.T.M. Marcelis and J.H.J. den Hartog; Interaction of cis-diamminedichloroplatinum(II) with short oligonucleotides; *Proc.Int.Conf.Coord.Chem.*, 22 (1982) 128
- 179.W.L. Driessen, F.B. Hulsbergen, G.C. Verschoor and J. Reedijk; Metal(II) compounds of a new hexadentate chelating pyrazole ligand; *Proc.Int.Conf.Coord.Chem.*, 22 (1982) 132
- 180.P.J.M.W.L. Birker, J. Reedijk, G.C. Verschoor and J. Jordanov; Tetrakis(1-methyl-imidazole-2-thione)platinum(II) dichloride dihydrate; *Acta Cryst.*, B38 (1982) 2245
- 181.J.G. Haasnoot, G. Vos, L.R. Groeneveld, R.A. LeFèbre, J. Reedijk; Magnetic exchange in polynuclear coordination compounds with 4-substituted 1,2,4-triazoles; *Proc.Int.Conf.Coord.Chem.*, 22 (1982), 367
- 182.J.H.J. den Hartog, C. Altona, J.C. Chottard, J.P. Girault, J.Y. Lallemand, F.A.A.M. de Leeuw, A.T.M. Marcelis and J. Reedijk; Conformational analysis of the adduct $\text{cis}-(\text{Pt}(\text{NH}_3)_2\text{d}(\text{GpG}))^+$ in aqueous solution. A high-field (500-300 MHz) nuclear magnetic resonance investigation; *Nucleic Acids Res.*, 10 (1982) 4715
- 183.J. van Rijn, P.J.M.W.L. Birker and J. Reedijk; Copper(I) and copper(II) chelates with imidazole containing ligands; *Proc.Int.Conf.Coord.Chem.*, 22 (1982) 655
- 184.M. Verhage, D.A. Hoogwater, H. van Bekkum and J. Reedijk; Synthesis, characterisation and reactivity of boron-bridged iron(II) dioxime coordination compounds; *Recl. Trav. Chim.*, 101 (1982) 351
- 185.R. Prins, J.G. Haasnoot and J. Reedijk; Binuclear copper(II) compounds with 3,5-di(2-pyridyl)-1,2,4IH-triazole; *Proc.Int.Conf.Coord.Chem.*, 22 (1982) 656
- 186.F.J. Rietmeijer, R.W.M. ten Hoedt, W. Vreugdenhil and J. Reedijk; Dimeric fluoro-bridged copper(II) pyrazole compounds; *Proc.Int.Conf.Coord.Chem.*, 22 (1982) 657
- 187.A.M.J. Fichtinger-Schepman, P.H.M. Lohman and J. Reedijk; Detection and quantification of adducts formed upon interaction of diamminedichloroplatinum(II) with DNA, by anion-exchange chromatography after enzymatic degradation; *Nucleic Acids Res.*, 10 (1982) 5345
- 188.R.A.J. Driessen, F.B. Hulsbergen, W.J. Vermin and J. Reedijk; Synthesis, structure, spectroscopy and magnetism of transition-metal compounds with bridging hexafluorosilicate groups. Crystal and molecular structure of *catena*- μ -hexafluorosilicato)tetrakis(N -vinylimidazole) cobalt(II); *Inorg. Chem.*, 21 (1982) 3594
- 189.A.T.M. Marcelis, H.J. Korte, B. Krebs and J. Reedijk; Crystal structure and dynamic ^1H NMR of (1,2-bis(pyridin-2-yl)ethane- N, N')bis(9-methyl-; hypoxanthine- $\text{N}7$)platinum(II) dinitrate; *Inorg. Chem.* 21 (1982) 4059
- 190.G. Nieuwpoort and J. Reedijk; Tetramic Copper(II) halide Compounds Containing (R,S)- and (S)-1-amino-2-propanolate ions; *Transit.Met.Chem.*, 7 (1982) 321
- 191.P.J.M.W.L. Birker, E.F. Godefroi, J. Helder and J. Reedijk; Copper(I) and Copper(II) Complexes of a new tetradentate chelating ligand containing imidazole and thioether groups. The X-ray structure of trigonal-bipyramidal (1,6-bis(N -benzylimidazol-2-yl)-2,5-dithiahexane- $\text{N}, \text{N}, \text{S}, \text{S}$))bromocopper(II)bromide; *J.Amer.Chem.Soc.*, 104 (1982) 7556
- 192.H.J.M. de Groot, L.J. de Jongh, R.D. Willett and J. Reedijk; High-field(40T) magnetization studies of linear Heisenberg chains with alternating exchange; *J. Appl.Phys.*, 53 (1982) 8038
- 193.L.J. de Jongh, H.J.M. de Groot and J. Reedijk; Spin-Peierls transition in a Cu^{2+} linear chain; *J.Appl.Phys.*, 53 (1982) 8027
- 1983:**
- 194.P.L. Verheydt, J.G. Haasnoot and J. Reedijk; Photo-induced reduction of Cu(II) benzimidazolylthioether chelates. The formation of 1,6-bis(N -methylbenzimidazolyl-2yl)-2,5-dithiahexanecopper(I) perchlorate from the corresponding copper(II) compound by photo-induced reduction in dimethylformamide; *Inor.Chim.Acta*, 76 (1983) L43
- 195.J.L. de Roo and J. Reedijk; Copper(II) coordination compounds containing p-substituted pyridines; *Delft Prog.Rep.*, 8 (1983) 46
- 196.G. Nieuwpoort, J. Brusse and J. Reedijk; ^1H Nuclear Magnetic Resonance of Zinc(II) compounds containing 1-amino-2-propanol isomers as ligands; *Inorg. Chim. Acta*, 68 (1983) 131
- 197.A.T.M. Marcelis and J. Reedijk; Binding of platinum compounds to nucleic acids, in relation to the anti-tumor activity of *cis*-diamminedichloroplatinum(II) and derivatives; *Recl. Trav. Chim.*, 102 (1983) 212
- 198.L.A. Oro, D. Carmon and J. Reedijk; Dinuclear Rhodium(I) compounds containing diolefine and the 1,6-bis(2'benzimidazolyl)-2,5-dithiahexane ligand; *Inorg. Chim. Acta* 71 (1983) 115
- 199.G. Nieuwpoort, G.C. Verschoor and J. Reedijk; Hydrogen-bridged dimeric and trimeric copper(II) triflate compounds with racemic and optically active aminopropan-1-ol- N, O)bis(R,S)- \square -aminopropan-1-olato- N, O)bis(trifluoromethanesulfonato- O)tricopper(II) bis(trifluoromethanesulfonate); *J.Chem.Soc.Dalton Trans.* (1983) 531
- 200.G. Vos, R.A. LeFèbre, R.A.G. de Graaff, J.G. Haasnoot and J. Reedijk; A unique high-spin low-spin transition of the central ion in a linear, trinuclear iron(II) triazole compound; *J.Amer.Chem.Soc.*, 105 (1983) 1682
- 201.G. Nieuwpoort and J. Reedijk; Cobalt(III), Nickel(II), Copper(II) and Zinc(II) triflate compounds containing aminopropanol isomers; *Inorg. Chim. Acta*, 71 (1983) 125
- 202.F.B. Hulsbergen, R.W.M. ten Hoedt, G.C. Verschoor, J. Reedijk and A.L. Spek; Synthesis, Magnetic properties and X-ray structure of *catena*- μ_3 -nitrato- O, O' - O'' -(μ_3 -hydroxo-1-nitrato-1,2;1,3;2,3-tris(μ -pyrazolato- N, N'))-2,3-bis(pyrazole- N^2)tricopper(II) monohydrate); An unusual chain of trinuclear copper clusters; *J.Chem.Soc.Dalton Trans.* (1983) 539

- 203.A.T.M. Marcelis, J.L. van der Veer, J.C.M. Zwetsloot and J. Reedijk; Rotation and conformation of purine ligands in *cis*-bis(6-oxopurine)platinum compounds; *Inorg. Chim. Acta*, **78** (1983) 195
- 204.R.C. van Landschoot, J.A.M. van Hest and J. Reedijk; Transition-metal compounds containing substituted imidazole ligands and substituted phenoles as anions; *Inorg. Chim. Acta*, **72** (1983) 89
- 205.P.J.M.W.L. Birker and J. Reedijk; Copper(I) and Copper(II) compounds with chelating imidazole-containing ligands; In: "Copper Coordination Chemistry: Biochemical and Inorganic Perspectives", (Ed.K.Karlin and J. Zubieta), Adenine Press, (1983) 205
- 206.M.B. Cingi, A.M. Manotti Lanfredi, A. Tiripicchio, J.G. Haasnoot and J. Reedijk; Spectral properties and crystal structure of bis(μ -thiocyanato-N,S)bis(thiocyanato-N)tetrakis(5,7-dimethyl[1,2,4]triazolo-[1,5]pyrimidine-N)dicopper(II) and of tetrakis(5,7-dimethyl [1,2,4]triazolo [1,5]pyrimidine-N³)platinum(II) hexa(thiocyanato-S)platinate(IV); *Inorg. Chim. Acta*, **72** (1983) 81-88
- 207.P.C.M. Gubbens, W. Ran, A.M. van der Kraan and J. Reedijk; Low-temperature magnetic behaviour of the linear-chain compound FeCl₂(pyridine)₂; Proc.Intern.Conf.Appl. Mössbauer Effect, (1983)
- 208.M. Feijters, J.F.G. Vliegthart, J. Reedijk and B.G. Malmström; Iron coordination in Soybean Lipoxygenase-1; *Inorg. Chim. Acta*, **79** (1983) 148
- 209.J. Reedijk; Strategies in the developments of synthetic model compounds for dinuclear and polynuclear metal sites in metalloproteins; *Inorg. Chim. Acta*, **79** (1983) 83
- 210.J.H.J. den Hartog, C. Altona, J.H. van Boom, A.T.M. Marcelis, G.A. v.d. Marel, L.J. Rinkel, G. Wille-Hazeleger and J. Reedijk; Cis-platinum induced distortions in DNA. Conformational analysis of d(GpCpG) and cis-Pt(NH₃)₂(d(GpCpG)) studied by 500 MHz NMR; *Europ. J. Biochem.*, **134** (1983) 485
- 211.M.C. van der Leeden, J. Reedijk and G.M. van Rosmalen; The influence of various phosphonates on the growth rate of barium sulfate crystals in suspension; *Estudios Geol.*, **38** (1982) 279 (Publ. 1983)
- 212.J. Reedijk, A.M.J. Fichtinger-Schepman and J.H.J. den Hartog; Formation of Chelates between *cis*-diamminedichloroplatinum(II) and either GG or GCG units in oligonucleotides and DNA; *Inorg. Chim. Acta*, **79** (1983) 252
- 213.W. Kleiböhmer, B. Krebs, A.T.M. Marcelis, J. Reedijk and J. van der Meer; Crystal structure and proton NMR of (1,2-bis(pyridin-2-yl)-ethane-N,N')(2,2'-dimethyl-1,3-diaminopropane-N¹,N³)platinum(II) dichloride monohydrate; *Inorg. Chim. Acta*, **75** (1983) 45
- 214.A.T.M. Marcelis, J.H.J. den Hartog, G.A. van der Marel, G. Wille and J. Reedijk; Interaction of platinum compounds with short oligodeoxynucleotides containing guanine and cytosine; *Europ. J. Biochem.*, **135** (1983) 343
- 215.J. Reedijk, A.R. Siedle, R.A. Velapoldi and J.A.M. van Hest; Coordination compounds of benzotriazole and related ligands; *Inorg. Chim. Acta*, **74** (1983) 109
- 216.W.C. Velthuisen, J.G. Haasnoot, A.J. Kinneging, F.J. Rietmeijer and J. Reedijk; Synthesis, structure and magnetic properties of a novel difluoro-bridged copper(II) dimer with unusually strong antiferromagnetic coupling; *J. Chem. Soc., Chem. Commun.*, (1983) 1366
- 217.J. Dillen, A.T.H. Lenstra, J.G. Haasnoot and J. Reedijk; Transition-metal thiocyanates of 5,7-dimethyl(1,2,4)triazolo(1,5-a)-pyrimide studied by spectroscopic methods. The crystal structure of Cd(NCS)₂(dmp)₂(H₂O)₂ and Hg(NCS)₂(dmp)₂; *Polyhedron*, **2** (1983) 195
- 218.J. Reedijk; Nomenclature for platinum antitumor compounds; In: M.P. Hacker, E.B. Douple and I.H. Krakoff(Eds.); M. Nijhoff, publishers; Platinum coordination complexes in cancer chemotherapy, (1984) 3 (Boston);
- 219.A.T.M. Marcelis, C. Erkelens and J. Reedijk; The interaction of aquated platinum(II) compounds with purine mononucleotides; *Inorg. Chim. Acta*, **91** (1984) 129
- 220.J. Reedijk, J.H.J. den Hartog, A.M.J. Fichtinger-Schepman and A.T.M. Marcelis; Specific binding of *cis*-platinum compounds to DNA and DNA fragments; In: M.P. Hacker, E.B. Douple and I.H. Krakoff(Eds.); M. Nijhoff, publishers; Platinum coordination complexes in cancer chemotherapy, (1984) 39 (Boston)
- 221.J. van Rijn and J. Reedijk; Synthesis and complexformation of a novel, flexible, biomimetic benzimidazole-containing dinucleating ligand; *Recl. Trav. Chim. Pays-Bas*, **103** (1984) 78
- 222.F.J. Rietmeijer, R.A.G. de Graaff and J. Reedijk; Synthesis, structure and magnetic properties of fluoride-bridged copper(II) dimers. Crystal and molecular structures of Bis(μ -fluoro)bis(3,4,5-trimethylpyrazole-N²)copper(II)bis(tetrafluoroborate) and bis(μ -fluoro)bis(5-methylpyrazole-N²)bis(3,5-dimethylpyrazole-N²)copper(II) bis(tetrafluoroborate); *Inorg. Chem.*, **23** (1984) 151
- 223.W. Vreugdenhil, P.J.M.W.L. Birker, R.W.M. ten Hoedt, G.G. Verschoor and J. Reedijk; Tetrakis(imidazole)copper(II) fluorides. The crystal and molecular structure of diaquatetrakis(imidazole)-copper(II) Difluoride; *J.Chem.Soc.Dalton Trans.*, (1984) 429
- 224.J. Reedijk, P.J.M.W.L. Birker and J. van Rijn; Synthetic possibilities and strategies in the development of analogues for the dinuclear and polynuclear metal sites in enzymes and proteins; *J. Molec. Catal.*, **23** (1984) 369
- 225.J.H.J. den Hartog, C. Altona, J.H. van Boom, G.A. van der Marel, C.A.G. Haasnoot and J. Reedijk; Cis-platinum induced distortion in a double-helical DNA fragment; *J.Am.Chem.Soc.*, **106** (1984) 1528
- 226.J.W.F.M. Schoonhoven, W.L. Driessen, J. Reedijk and G.C. Verschoor; Transition-metal coordination compounds containing a novel tridentate pyrazole chelating ligand. X-ray crystal structure of (N,N-Bis(3,5-dimethylpyrazol-1-ylmethyl)-aminoethane)(nitrate-O)(nitrate-O,O')nickel(II); *J. Chem. Soc., Dalton Trans.*, (1984) 1053
- 227.J.H.J. den Hartog, H. v.d. Elst and J. Reedijk; Coordination of 9-methyladenine to *cis*-Pt(NH₃)₂²⁺ and Pt(dien)²⁺ as studied by proton NMR; *J. Inorg. Biochem.*, **21** (1984) 83
- 228.J. Helder, P.J.M.W.L. Birker, G.C. Verschoor and J. Reedijk; Strong and symmetric hydrogen bonding in coordination compounds of carboxylic acid derivatives; the crystal structure of (3,6-dithiaoctanedioato-S,S')-(3,6-dithiaoctanedioic acid-S,S')copper(II) redetermined at 173 K; *Inorg. Chim. Acta*, **85** (1984) 169
- 229.G.A. van Albada, R.A.G. de Graaff, J.G. Haasnoot and J. Reedijk; Synthesis, spectroscopic characterisation and magnetic properties of unusual 3,5-dialkyl-1,2,4-triazole compounds containing N \square bridging isothiocyanato ligands. X-ray structure of trinuclear Bis(μ -thiocyanato-N)bis(μ -3,5-diethyl-1,2,4-triazole-N)(3,5-diethyl-1,2,4-triazole-N¹)nickel(II)-N,N¹,N¹)nickel(II) dihydrate; *Inorg. Chem.*, **23** (1984) 1404
- 230.M.F. Cabral, J. de O. Cabral, J. van Rijn and J. Reedijk; The redox properties of 1,6-bis(benzimidazol-2-yl)-2,5-dithiahexane)chlorocopper(II) chloride as studied by cyclic voltammetry; *Inorg. Chim. Acta*, **87** (1984) 87
- 231.S.K. Sahni, W.L. Driessen and J. Reedijk; Imidazoles and pyrazoles on polymers: new routes to selective ion-exchange resins; *Proc.Int.Conf.Coord.Chem.*, **23** (1984) 295
- 232.A.M.J. Fichtinger-Schepman, J.L. van der Veer, P.H.M. Lohman and J. Reedijk; A Simple method for the inactivation of

1984:

- monofunctionally DNA-bound *cis*-diamminedichloroplatinum(II); *J. Inorg. Biochem.*, **21** (1984) 103
- 233.F.S. Keij, R. Prins, J.G. Haasnoot and J. Reedijk; Dinucleating triazole ligands. The structure of coordination compounds of 3,5-bis(pyridin-2-yl)-4-amino-1,2,4-triazole; *Proc. Int. Conf. Coord. Chem.*, **23** (1984) 45
- 234.J.H.J. den Hartog, M.L. Salm and J. Reedijk; Coordination of 9-methylhypoxanthine to *cis*-Pt(NH₃)₂²⁺ and Pt(dien)²⁺ as studied by proton NMR; *Inorg. Chem.*, **23** (1984) 2001
- 235.W.L. Driessen and J. Reedijk; The coordination chemistry of a new class of chelating pyrazole derivatives; *Proc. Int. Conf. Coord. Chem.*, **23** (1984) 393
- 236.A.W. Addison, T.N. Rao, J. Reedijk, J. van Rijn and G.C. Verschoor; Synthesis, structure and spectroscopic properties of Copper(II) compounds containing nitrogen-sulfur donor ligands; the crystal and molecular structure of aqua(1,7-bis(N-methylimidazol-2-yl)-2,6-dithiaheptane)copper(II) perchlorate; *J. Chem. Soc. Dalton Trans.* (1984), 1349
- 237.F.J. Rietmeijer, A.J. den Hartog, G.A. van Albada, J.G. Haasnoot and J. Reedijk; Trinuclear transition-metal compounds containing triazoles and small anions as bridging ligands; *Proc. Int. Conf. Coord. Chem.*, **23** (1984) 540
- 238.F.J. Dijt, G.W. Canters, J.H.J. den Hartog, A.T.M. Marcellis and J. Reedijk; Reaction products of *cis*-diammineplatinum(II) compounds with 5'-guanosine monophosphate characterized by high-frequency proton NMR; *J. Amer. Chem. Soc.* **106** (1984) 3644
- 239.J. Reedijk, A.M.J. Fichtinger-Schepman, J.H.J. den Hartog and J.L. van der Veer; Interaction of platinum(II) compounds with DNA and DNA fragments; *Proc. Int. Conf. Coord. Chem.*, **23** (1984) 586
- 240.M.B. Cingi, A.M. Manotti Lanfredi, A. Tiripicchio, J.G. Haasnoot and J. Reedijk; Synthesis and spectroscopic characterisation of a new class of heterotetranuclear compounds with thiocyanate groups as bridging ligands. The X-ray structure of bis(μ-tetrakis(thiocyanato-S)mercury(II)-N,N')diaquaohexakis(5,7-dimethyl[1,2,4]triazolo[1,5-a]pyrimidine-N3)dnicobalt(II); *Inorg. Chim. Acta* **86** (1984) 137
- 241.L.J. Bostelaar, R.A.G. de Graaff, F.B. Hulsbergen, J. Reedijk and W.M.H. Sachtler; Synthesis, structure and spectral characterisation of nickel(II) (R,R)-tartrate. Crystal and molecular structure of polymeric diaquabis((R,R)-tartrato-O¹,O²:O³,O⁴)dinickel(II) trihydrate at □162 □C; *Inorg. Chem.*, **23** (1984) 2294
- 242.J. Reedijk; Azole-containing copper chelates as models for the active sites in copper proteins; *Proc. Int. Conf. Coord. Chem.*, **23** (1984) 612
- 243.J. Nieman, A.J. Naaktgeboren and J. Reedijk; Chelation of the Fe4S4 cluster by the tripeptide N-phenylacetylcysteinylglycylcysteinamide, Bzl-C(O)-Cys-Gly-Cys-NH₂; *Inorg. Chim. Acta* **93** (1984) L9
- 244.E. Bouwman, W.L. Driessen, R.A.G. de Graaff and J. Reedijk; Structure of dichlorobis(3,5-dimethylpyrazole-N³)zinc(II); *Acta Cryst.* **C40** (1984) 1562
- 245.J.G. Haasnoot, W.L. Driessen and J. Reedijk; Distortion isomerism in a thiocyanate-bridged copper(II) dimer. X-ray structure of □-bis(μ-thiocyanato□N,S)bis(bis(5,7-dimethyl[1,2,4]triazolo[1,5-a]pyrimidine)(thiocyanato-N) and comparison of its spectral and structural properties with those of other copper(II) 5,7-dimethyl[1,2,4]triazolo[1,5-a]pyrimidine thiocyanates; *Inorg. Chem.* **23** (1984) 2803
- 246.S.K. Sahni and J. Reedijk; Coordination chemistry of chelating resins and ion exchangers; *Coord. Chem. Rev.* **59** (1984) 1
- 247.G. Vos, R.A.G. de Graaff, J.G. Haasnoot, A.M. van der Kraan, P. de Vaal and J. Reedijk; Crystal structure at 300K and 105K, magnetic properties and mössbauer spectra of bis(triaquabis(4-ethyltriazole-N¹)iron(II)-N²,N²,N²)iron(II) hexakis(trifluoromethylsulfonate). A linear trinuclear iron(II) compound showing a unique high-spin low-spin transition at the central iron atom; *Inorg. Chem.* **23** (1984) 2905
- 248.F.S. Keij, R.A.G. de Graaff, J.G. Haasnoot and J. Reedijk; Synthesis and coordination chemistry of a novel dinucleating, chelating triazole ligand. The crystal structure of bis-μ-(4-amino-3,5-bis(pyridin-2-yl)-1,2,4-triazole-N',κ-N¹,κ-N²,N²)bis(aquachloronickel(II)) dichloride tetrahydrate; *J. Chem. Soc. Dalton Trans.* (1984) 2093
- 249.G. Mennenga, L.J. de Jongh, W.J. Huiskamp and J. Reedijk; Specific heat studies of randomly diluted magnets. Evidence for fractal properties of the infinite percolation cluster; *J. Magn. Magn. Mat.* **43** (1984) 3
- 250.J. van Rijn, W.L. Driessen, J. Reedijk and J.M. Lehn; Synthesis and spectroscopic properties and X-ray structure of (1,7-bis(5-methylimidazol-4-yl)-2,6-dithiaheptane)dichlorocopper(II). A compound with unusually long copper(II)-thioether bonds; *Inorg. Chem.* **23** (1984) 3584
- 251.G. Mennenga, L.J. de Jongh, W.J. Huiskamp and J. Reedijk; Decoupled magnetic subsystems in the random mixture Fe₇Co_{1-*p*}(C₆H₅NO)₆(ClO₄)₂; *J. Magn. Magn. Mat.* **43** (1984) 13
- 252.J.H.J. den Hartog, C. Altona, J.H. van Boom and J. Reedijk; A phosphorus NMR study of the reaction products of *cis*-diamminedichloroplatinum(II) with a double-helical oligonucleotide and with DNA; *FEBS Letters*, **176** (1984) 161
- 253.B. van der Griendt, J. G. Haasnoot, J. Reedijk and L.J. de Jongh; Evidence for a two-dimensional Ising system from magnetic dilution studies on bis(isothiocyanato)(1,2,4-triazole)iron(II); *Chem. Phys. Letters*, **111** (1984) 161
- 254.J.H.J. den Hartog, C. Altona, J.H. van Boom and J. Reedijk; The structure of *cis*-platinum trinucleoside diphosphate species; the influence of ligand substitutions upon the conformations of the adducts; *Recl. Trav. Chim. Pays-Bas*, **103** (1984) 322
- 255.F.B. Hulsbergen, W.L. Driessen, J. Reedijk and G.C. Verschoor; Synthesis and spectroscopic characterisation of transition-metal chelates containing a new hexadentate ligand. The crystal and molecular structure of the heptacoordinated compound (perchlorato)(tetrakis(pyrazolyl-1'-ylmethyl)-1,2-diaminoethane)manganese(II) perchlorate; *Inorg. Chem.* **23**, (1984), 3588
- 256.H.J.M. de Groot, L.J. de Jongh, R.C. Thiel and J. Reedijk; Mossbauer relaxation study of the non-linear excitations in pure and impure Ising-type ferromagnetic quantum chains; *Phys. Rev.* **B30**, (1984), 4041
- 257.G. Mennenga, L.J. de Jongh and J. Reedijk; Heisenberg antiferromagnet Cu(pyrazine)(NO₃)₂. Evidence for random exchange effects at low temperatures; *J. Magn. Magn. Mater.* **44**, (1984), 89
- 1985:
- 258.J.H.J. den Hartog, C. Altona, G.A. van der Marel and J. Reedijk; A ¹H and ³¹P NMR study of *cis*-Pt(NH₃)₂[d(CpGpG)-N7(2),N7(3)]. The influence of a 5'-terminal cytosine on the structure of the *cis*-Pt(NH₃)₂(dGpG)-N7N7) intrastrand crosslink; *Eur. J. Biochem.*, **147**, (1985), 371-379.
- 259.A. Bencini, D. Gatteschi, J. Reedijk and C. Zanchini; Anisotropic Exchange in Transition-Metal Dinuclear Complexes, Part 4.(μ-Benzotriazolato-N1,N3)bis[tris(N1-methylbenzimidazol-2-ylmethyl)-amine-N,N3,N3',N3']copper(II) Trinitrate; *Inorg. Chem.*, **24**, (1985), 207-209.
- 260.A.M.J. Fichtinger-Schepman, J.L. van der Veer, J.H.J. den Hartog, P.H.M. Lohman and J. Reedijk; Adducts of the Antitumor Drug *cis*-Diamminedichloroplatinum(II) with DNA: Formation, Identification and Quantitation; *Biochemistry*, **24**, (1985), 707-713.

261. J.H.J. den Hartog, C. Altona, H. van der Elst, G.A. van der Marel and J. Reedijk; Unwinding in an Undecamer Double-Helical DNA Fragment, after Binding of cis-PtCl₂(NH₃)₂ to a d(-GpTpG-) Sequence; *Inorg. Chem.*, **24**, (1985), 983-986.
262. F. Paap, E. Bouwman, W.L. Driessen, R.A.G. de Graaff and J. Reedijk; Spectroscopic and Magnetic Properties of Cobalt(II) and Nickel(II) Clusters obtained from 1-(Hydroxymethyl)-3,5-dimethylpyrazole. X-ray Structure of Tetrakis[chloro(μ₃-3,5-dimethyl-N-oxymethylpyrazolato-N₂,κ₃-O)-(ethanol)]nickel(II); *J. Chem. Soc. Dalton Trans.*, (1985), 737-741.
263. A.L. Spek, A.R. Siedle and J. Reedijk; Crystal and Molecular Structure of Bis[(μ-benzotriazolato-N₁,N₂)-methylmercury(II)]; *Inorg. Chim. Acta*, **100**, (1985), L15-L19.
264. M.B. Cingi, A.M. Manotti Lanfredi, A. Tripicchio, J.G. Haasnoot and J. Reedijk; Synthesis, Characterization and X-ray Structure of Hetero-polynuclear Thiocyanates of Iron(II) and Mercury(II) with 5,6-Dimethyl[1,2,4]-triazolo[1,5-a]pyrimidine-N₃ and Water as Ligands; *Inorg. Chim. Acta*, **101**, (1985), 49-61.
265. J.L. van der Veer, G.J. Ligtoet, A.R. Peters and J. Reedijk; Binding of Cis-platinum(II) Compounds to Nucleobases, Nucleotides and Oligonucleotides; *Rev. Port. Quim.*, **27**, (1985), 377.
266. J.H.J. den Hartog, C. Altona, J.H. van Boom, G.A. van der Marel, C.A.G. Haasnoot and J. Reedijk; Cis-diamminedichloroplatinum(II) Induced Distortion of a Single and Double Stranded Deoxydecanucleosidenonaphosphate Studied by Nuclear Magnetic Resonance; *J. Biomol. Struct. Dyn.*, **2**, (1985), 1137-1154.
267. L.R. Groeneveld, R.A. le Fèvre, R.A.G. de Graaff, J.G. Haasnoot, G. Vos and J. Reedijk; Transition-metal(II) Thiocyanate Coordination Compounds with 4-t-Butyl-1,2,4-triazole. Structure and Magnetic Properties; *Inorg. Chim. Acta*, **102**, (1985), 69-82.
268. H.L. Blonk, W.L. Driessen and J. Reedijk; Transition-metal Coordination Compounds of a Novel Aniline-based Pyrazole Derivative. X-ray Crystal Structures of [N,N-Bis(3,5-dimethylpyrazol-1-ylmethyl)aminobenzene]-dichlorocobalt(II) and □dibromocopper (II); *J. Chem. Soc. Dalton Trans.*, (1985), 1699-1705.
269. G. Vos, J.G. Haasnoot, G.C. Verschoor and J. Reedijk; Transition-metal(II) Thiocyanate Coordination Compounds Containing 4-allyl-1,2,4-triazole. Structure and Magnetic Properties; *Inorg. Chim. Acta*, **102**, (1985), 187-198.
270. A. Bencini, D. Gatteschi, C. Zanchini, J.G. Haasnoot, R. Prins and J. Reedijk; EPR Spectra of Binuclear Triazolato- and Imidazolato-Bridged Copper(II) Complexes Including the Four-Copper Form of Bovine Erythrocyte Superoxide Dismutase; *Inorg. Chem.*, **24**, (1985), 2812-2815.
271. S.K. Sahni, R. van Bennekom and J. Reedijk; A Spectral Study of Transition-Metal Complexes on a Chelating Ion-Exchange Resin containing Aminophosphonic Acid Groups; *Polyhedron*, **4**, (1985), 1643-1658.
272. G.J. van Driel, W.L. Driessen and J. Reedijk; Transition-Metal Coordination Compounds of a Tripodal Tetradentate Pyrazole Derivative. X-ray Structure of the Dimer [Aqua(tris(3,5-dimethylpyrazol-1-yl)methyl)-amine]cobalt(II)][fluoro(tris(3,5-dimethylpyrazol-1-yl)methyl)amine]cobalt(II) Tris(tetrafluoroborate) 1.5-Ethanol; *Inorg. Chem.*, **24**, (1985), 2919-2925.
273. F. Paap, W.L. Driessen, J. Reedijk, B. Kojic-Prodic and A.L. Spek; The Coordination of Divalent Transition Metal Ions to a Sterically Constrained Chelating Pyrazole Derivative. The Crystal and Molecular Structure of Bis(azido)-(2,5-bis(3',5'-dimethylpyrazol-1'-ylmethyl)-; 2,5-diazahexane)nickel(II), [Ni(C₁₆H₂₈N₁₂)]; *Inorg. Chim. Acta*, **104**, (1985), 55-62.
274. G.J. Kleywegt, W.G.R. Wiesmeijer, G.J. van Driel, W.L. Driessen, J. Reedijk and J.H. Noordik; Unidentate versus Symmetrically and Unsymmetrically Bidentate Nitrate Co-ordination in Pyrazole-containing Chelates. The Crystal and Molecular Structures of (Nitrate-O)-[tris(3,5-dimethylpyrazol-1-ylmethyl)amine]copper(II)Nitrate, (Nitrate-O,O')-[tris(3,5-dimethylpyrazol-1-ylmethyl)amine]nickel(II)Nitrate, and (Nitrate-O)(nitrate-O,O')-[tris(3,5-dimethylpyrazol-1-ylmethyl)amine]cadmium(II); *J. Chem. Soc. Dalton Trans.*, (1985), 2177-2184.
275. J. Reedijk; Reactions of Platinum Compounds with Nucleic Acids and Oligonucleotides; *Rev. Port. Quim.*, **27**, (1985), 86.
276. J. van Rijn, W.L. Driessen and J. Reedijk; Copper Chelates of a Dinucleating Benzimidazole-Containing Ligand as Models for Type III Copper Proteins; *Rev. Port. Quim.*, **27**, (1985), 291.
277. W. Vreugdenhil, S. Gorter, J.G. Haasnoot and J. Reedijk; Spectroscopic and Magnetic Properties of a New Class of Two-dimensional Bitriazole Compounds: The X-ray structure of Polybis(thiocyanato-N)-bis-μ-(4,4'-bis-1,2,4-Triazole-N₁,N_{1'})-Cobalt(II) Monohydrate; *Polyhedron*, **4**, (1985), 1769-1775.
278. F.J. Rietmeijer, G.A. van Albada, R.A.G. de Graaff, J.G. Haasnoot and J. Reedijk; Linear Trinuclear Transition-Metal Compounds Containing 3,5-Diethyl-1,2,4-triazole and Fluoride as Bridging Ligands. X-ray Structure of Bis[(μ-fluoro)bis(μ-3,5-diethyl-1,2,4-triazole-N₁,N₂)bis(thiocyanato-N)](3,5-diethyl-1,2,4-triazole-N₁)cobalt(II)-F,N₁,N₁]cobalt(II) Dihydrate; *Inorg. Chem.*, **24**, (1985), 3597-3601.
279. J. Reedijk and P.H.M. Lohman; Cisplatin: synthesis, antitumour activity and mechanism of action; *Pharm. Weekbl. Sci.*, **7**, (1985), 173-180.
280. G. Vos, J.G. Haasnoot, G.C. Verschoor, J. Reedijk and P.E.L. Schaminee; Linear Trinuclear Coordination Compounds with 4-Ethyl-1,2,4-triazole. Structure and Magnetic Properties; *Inorg. Chim. Acta*, **105**, (1985), 31-39.
281. R. Prins, P.J.M.W.L. Birker, J.G. Haasnoot, G.C. Verschoor and J. Reedijk; Magnetic Properties of Dimeric Disubstituted-Triazole Copper(II) Compounds. X-ray Structure of Bis[μ-3,5-bis(pyridin-2-yl)-1,2,4-triazolato-N',N₁,N₂,N'']-bis[aqua(trifluoromethanesulfonato-O)copper(II)]; *Inorg. Chem.*, **24**, (1985), 4128-4133.
282. W.L. Driessen, F.B. Hulsbergen, J. Reedijk and G.C. Verschoor; A Tetrahedral Copper(I) Compound of Pyrazole-Substituted Ethylene Diamine. The Crystal Structure of [N,N,N',N'-Tetrakis(pyrazol-1'-ylmethyl)-(1,2-diaminoethane)copper(I)](tetrafluoroborate)-(acetonitrile); *Trans. Met. Chem.*, **10**, (1985), 390-392.
283. S. Gorter, W. Hinrichs, J. Reedijk, J. Rimbault, J.C. Pierrard and R.P. Hugel; Structure, Spectroscopy and Magnetism of Di-iodo-bridged Tetrahedral Cobalt(II) Compounds. The Crystal and Molecular Structures of Di-μ-iodo-bis[iodotriphenylphosphinecobalt(II)]bis(benzene) and Di-μ-iodo-bis[iodotriphenylphosphine-oxidecobalt(II)]bis(benzene); *Inorg. Chim. Acta*, **105**, (1985), 181-186.
284. J.G. Haasnoot, D.W. Engelfriet and J. Reedijk; Poly-bis(thiocyanato-N)bis(μ-(1H-1,2,4-triazole-N₂,N₄)metal(II) complexes with manganese, iron, cobalt, nickel, copper and zinc, and bis[tris(thiocyanato-N)tris(μ-4H-1,2,4-triazole-N₁)-nickel(II)-N₂,N_{2'},N_{2''}]nickel(II); *Inorg. Synth.*, **23**, (1985), 157-161.
285. A.J. Wolhuis, W.J. Huiskamp, L.J. de Jongh and J. Reedijk; Magnetic and dielectric properties of copper methylpyridine halides. A dimerizing phase transition and random exchange behaviour; *Physica* **133B**, (1985), 161-175.
286. E. Bouwman, W.L. Driessen and J. Reedijk; Coordination Compounds of a Pentadentate Pyrazole Derivative of Diaminopropane. Crystal Structure of Aqua(N,N,N'-tris(3,5-dimethylpyrazol-1-yl)methyl)-1,3-diaminopropane)cobalt(II) Diperchlorate Hydrate, [Co(ap3d)(H₂O)(ClO₄)₂•H₂O]; *Inorg. Chem.*, **24**, (1985), 4730-4733.

- 1986;
- 287.C.E. Koning, G. Challa, F.B. Hulsbergen and J. Reedijk; Structure of Copper 4-(N,N-Dimethylamino)Pyridine Complexes and their Catalytic Activity in the Oxidative Coupling of 2,6-Dimethylphenol; *J. of Molecular Catal.*, **34** (1986) 355-379
- 288.P. Chaudhuri, K. Oder, K. Wieghardt, J. Weiss, J. Reedijk, W. Hinrichs, J. Wood, A. Ozarowski, H. Stratemaier and D. Reinen; Variable-Temperature Single-Crystal Electron Spin Resonance Study and Crystal Structure of $[\text{Cu}(\text{C}_6\text{H}_{15}\text{N}_3)_2][\text{Cu}(\text{CN})_5] \cdot 2\text{H}_2\text{O}$ at 110 and 293 K. Static and Dynamic Jahn-Teller Distortions in the CuN_6 Polyhedron; *Inorg. Chem.*, **25** (1986) 2951-2958
- 289.J.B.J. Veldhuis, W.L. Driessen and J. Reedijk; A Pyrazole Derivative of Aminoethane as a Tridentate Chelating Ligand towards Transition Metals. The X-Ray Structure of $[\text{N,N-Bis}(\text{pyrazol-1-yl-methyl})\text{aminoethane}]\text{dibromocopper(II)}$; *J. Chem. Soc. Dalton Trans.* (1986) 537-541
- 290.J. Reedijk, W.L. Driessen and J. van Rijn; Copper Chelates with Azole-Containing Ligands as Corroborative and Speculative Model Compounds for Copper Proteins; *Biological & Inorganic Copper Chemistry*, K. Karlin & J. Zubieta (Eds), Adenine Press (1986) 143-160
- 291.F. Paap, A. Erdonmez, W.L. Driessen and J. Reedijk; Structure of Dichloro[2,5-dimethyl-1,6-bis(3,5-dimethyl-1-pyrazolyl)-2,5-diazahexane-N,N',N'',N''']cadmium(II); *Acta Cryst.*, **C42** (1986) 783-785
- 292.M.F. Summers, J. van Rijn, J. Reedijk and L.G. Marzilli; Unusual Slow-Exchange ^{113}Cd NMR Spectra observed at Ambient Temperature for Halide, Cyanide, and Mercaptide Cadmium Coordination Compounds with Benzimidazole Ligands. Application to Cd-substituted Metalloproteins; *J. Am. Chem. Soc.*, **108** (1986) 4254-4258
- 293.J.L. van der Veer, A.R. Peters and J. Reedijk; Reaction Products from Platinum(IV) Amine Compounds and 5'-GMP Are Mainly bis(5'-GMP)Platinum(II) Amine Adducts; *J. of Inorg. Biochem.*, **26** (1986) 137-142
- 294.F.J. Rietmeijer, J.G. Haasnoot, A.J. den Hartog and J. Reedijk; Synthesis, Spectroscopic and Magnetic Properties of Linear Nickel(II) and Cobalt(II) Trimers Containing Substituted 1,2,4-Triazoles and Fluoride as Bridging Ligands. The X-ray Structure of bis $[(\mu\text{-fluoro})\text{-bis}(\mu\text{-3,4,5-trimethyl-1,2,4-triazole-N1,N2})\text{bis}(\text{thiocyanato-N})\text{(aqua)cobalt(II)-F,N1,N1'}]\text{cobalt(II)}$ Tetrahydrate; *Inorg. Chim. Acta*, **113** (1986) 147-155
- 295.P. Stupik, J.H. Zhang, M. Kwiecien, W.M. Reiff, J.G. Haasnoot, R. Hage and J. Reedijk; Spin-crossover behavior in a new series of Iron(II) compounds based on the ligand 5-(2-Pyridyl)-1,2,4-Triazole; *Hyperfine Interact.*, **28** (1986) 725-727
- 296.M. Biagini-Cingi, A.M. Manotti Lanfredi, A. Tiripicchio, J. Reedijk and J.G. Haasnoot; Synthesis and X-ray Structure of a Two-Dimensional Thiocyanato-Bridged Mercury(II)-Copper(I) Complex with 5,7-Dimethyl[1,2,4] triazolo[1,5-a]pyrimidine, $[\text{CuHg}(\mu\text{-SCN})_3(\text{dmp})_2]$; *Acta Cryst.*, **C42** (1986) 427-430
- 297.T.L.F. Favre, J.G. Haasnoot and J. Reedijk; Characterization of Copper(II) Coordination Compounds of 5,7-Dimethyl[1,2,4]Triazolo[1,5-a]Pyrimidine: The Crystal Structure of Diaquatetrakis(5,7-Dimethyl[1,2,4]Triazolo[1,5-a]Pyrimidine-N3)-Copper(II) Hexafluorophosphate; *Polyhedron*, **5** (1986) 1405-1411
- 298.J.L. van der Veer, W. Hinrichs and J. Reedijk; Structure of the Antitumor Active Compound Tetrachloro(2,2-dimethyl-1,3-propanediamine)platinum(IV); *Acta Cryst.*, **C42** (1986) 534-535
- 299.J.L. van der Veer, G.J. Ligtoet, H. van der Elst and J. Reedijk; Trans-Diamminedichloroplatinum(II) Can Chelate d(GpTpG) via Both Guanines in a Similar Fashion as the Cis Isomer; *J. Am. Chem. Soc.*, **108** (1986) 3860-3862
- 300.R. Hage, J.G. Haasnoot, J. Reedijk and J.G. Vos; Synthesis, Separation, and NMR Characterisation of the fac- and mer-Isomers of Tris(1-methyl-3-(pyridin-2-yl)-1,2,4-triazole)ruthenium(II) Hexafluorophosphate; *Inorg. Chim. Acta*, **118** (1986) 73-76
- 301.F. Paap, W.L. Driessen and J. Reedijk; Five- and six-coordinated transition-metal mixed-anion compounds containing the sterically constrained pyrazole-containing ligand 1,6-bis(3',5'-dimethylpyrazol-1'-yl)-2,5-dimethyl-2,5-diazahexane; *Polyhedron*, **5** (1986) 1815-1819
- 302.C.M. Groeneveld, M.C. Feiters, S.S. Hasnain, J. van Rijn, J. Reedijk and G.W. Canters; The pH and redox-state dependence of the copper site in azurin from *Pseudomonas aeruginosa* as studied by EXAFS; *Biochim. Biophys. Acta*, **873** (1986) 214-227
- 303.T.S. Schilperoort, F.J. Rietmeijer, R.A.G. de Graaff and J. Reedijk; Structure of Diformatobis(2-methylbenzimidazole)copper(II); *Acta Cryst.*, **C42** (1986) 1491-1494
- 304.M. Biagini Cingi, A.M. Manotti Lanfredi, A. Tiripicchio, J.P. Cornelissen, J.G. Haasnoot and J. Reedijk; The structure of cis,trans,cis-Diaquabis(5-methyl[1,2,4]triazolo[1,5-a]pyrimidine-N3)-bis(thiocyanato-N)iron(II); *Acta Cryst.*, **C42** (1986) 1296-1298
- 305.M. Biagini Cingi, A.M. Manotti Lanfredi, A. Tiripicchio, J.G. Haasnoot and J. Reedijk; Single-Strand Polymer in catena-Poly $[\text{trans-bis}(6,8\text{-dimethyl}[1,2,4]\text{ triazole}[3,4\text{-b}]\text{-pyridazine-N2})\text{cadmium-}\mu\text{-}(\text{thiocyanato-N:S})\text{-}\mu\text{-}(\text{thiocyanato-S:N})]$; *Acta Cryst.*, **C42** (1986) 1509-1512
- 306.R. Prins, R.A.G. de Graaff, J.G. Haasnoot, C. Vader and J. Reedijk; A Novel Type of Tetranuclear Copper(II) Cluster, containing Deprotonated 3-(Pyridin-2-yl)-5-(pyrazin-2-yl)-1,2,4-triazole (Hppt) as a Diatomic Bridging Ligand. Preparation, Magnetism, and X-Ray Crystal Structure of $[\text{Cu}(\mu\text{-ppt})(\text{H}_2\text{O})]_4(\text{NO}_3)_4(\text{H}_2\text{O})_{12}$; *J. Chem. Soc. Chem. Commun.* (1986) 1430-1431
- 307.P.E.M. Wijnands, W.J.A. Maaskant and J. Reedijk; Two different Copper Sites in Hexakis(1-Methyltetrazole)Copper(II) Bis(Tetrafluoroborate); *Chem. Phys. Letters*, **130** (1986) 536-540
- 308.L.R. Groeneveld, B. Schuller, G.J. Kramer, J.G. Haasnoot and J. Reedijk; Crystal structure and semiconductivity of tetraethylammonium bis(isotrithionedithiolato)nickelate(III); *Recl. Trav. Chim. Pays-Bas*, **105** (1986) 507-509
- 309.M.P. Garcia, J.A. Manero, L.A. Oro, M.C. Aprea, F.H. Cano, C. Foces-Foces, J.G. Haasnoot, R. Prins and J. Reedijk; Mononuclear Rhodium(I) Complexes of 4-Amino-3,5-bis(pyridin-2-yl)-1,2,4-triazole. Crystal Structure of $[\text{Rh}(\text{CO})_2(\text{NH}_2\text{bpt})\text{ClO}_4]$; *Inorg. Chim. Acta*, **122** (1986) 235-241
- 310.F. Paap, W.L. Driessen, J. Reedijk, M. Dartmann and B. Krebs; Coordination Fluxionality of Copper(II) with a Sterically Constrained Pyrazole-containing Chelating Ligand. Crystal and Molecular Structure at 298 K and 140 K of 1,6-Bis(3,5-dimethylpyrazol-1-yl)-2,5-dimethyl-2,5-diazahexane-bis(thiocyanato-N)copper(II), $[\text{C}_{18}\text{H}_{28}\text{CuN}_8\text{S}_2]$; *Inorg. Chim. Acta*, **121** (1986) 185-189
- 311.J.L. van der Veer, H. van den Elst, J.H.J. den Hartog, A.M.J. Fichtinger-Schepman and J. Reedijk; Reaction of the Antitumor Drug cis-Diamminedichloroplatinum(II) with the Trinucleotide d(GpApG): Identification of the Two Main Products and Kinetic Aspects of their Formation; *Inorg. Chem.*, **25** (1986) 4657-4663
- 312.A.M.J. Fichtinger-Schepman, P.H.M. Lohman, F. Berends, J. Reedijk and A.T. Oosterom; Interactions of the antitumor drug cisplatin with DNA in vitro and in vivo; In: "Carcinogenicity of alkylating cytostatic drugs"; D. Schmahl & J.M. Kaldor (Eds.), IARC Scient. Publ. 78 (1986), 83-99
- 313.M.C. Feiters, S.S. Hasnain, C.M. Groeneveld, G.W. Canters, J. van Rijn, J. Reedijk, S. Dahlin and B. Reinhammar; Changes in the Metal Coordination Sphere of Azurin and Stellacyanin under

- Influence of pH, Oxidation/Reduction and Metal Substitution; J. de Phys. C8 (1986) 1173-1176
- 1987:
314. R.B. Helmholtz, W. Hinrichs and J. Reedijk; Intramolecular Hydrogen Bonding in Dichlorotetrakis(pyrazole-N2)nickel(II) as studied by Low-Temperature Neutron Diffraction, X-ray Diffraction and Infrared Spectroscopy; *Acta Cryst.*, C43 (1987) 226-229
- 315.G.J. Kramer, L.R. Groeneveld, J.L. Joppe, H.B. Brom, L.J. de Jongh and J. Reedijk; Crystal structure and conductivity of the organometallic linear chain system (Et₄N)[Ni(DMIT)₂] and related compounds; *Synth. Met.*, 19 (1987) 745-750
- 316.G. Admiraal, J.L. van der Veer, R.A.G. de Graaff, J.H.J. den Hartog and J. Reedijk; Intrastrand Bis(guanine) Chelation of d(CpGpG) to cis-Platinum: An X-ray Single-Crystal Structure Analysis; *J. Am. Chem. Soc.*, 109 (1987) 592-594
- 317.M. Biagini-Cingi, A.M. Manotti-Lanfredi, A. Tiripicchio, J.P. Cornelissen, J.G. Haasnoot and J. Reedijk; Preparation, Spectroscopic and Magnetic Characterization of Two Pseudo Layered Copper(II) Systems. The X-ray Structures of Bis(thiocyanato-N)bis([1,2,4]triazolo[1,5-a]pyrimidine-N3)copper(II) and Dichlorobis([1,2,4]-triazolo[1,5-a]pyrimidine-N3)copper(II); *Inorg. Chim. Acta*, 129 (1987) 217-222
- 318.W. Vreugdenhil, J.H. Haasnoot, J. Reedijk and A.L. Spek; Ferromagnetic and Antiferromagnetic Spin Coupling in Ni₄O₄ Cubane-type Clusters with 4-Amino-3,5-bis(hydroxymethyl)-1,2,4-triazole as a Ligand. The X-ray Structure of a New Dumbbell-like Double Cubane Cluster; *Inorg. Chim. Acta*, 129 (1987) 205-216
- 319.A. Bencini, D. Gatteschi, C. Zanchini, J.G. Haasnoot, R. Prins and J. Reedijk; On the Nature of the Low-Lying Electronic Levels of a Tetranuclear Copper(II) Complex; *J. Am. Chem. Soc.* 109 (1987) 2926-2931
- 320.R. Hage, R. Prins, J.G. Haasnoot, J. Reedijk and J.G. Vos; Synthesis, Spectroscopic, and Electrochemical Properties of Bis(2,2'-bipyridyl)ruthenium Compounds of some Pyridyl-1,2,4-triazoles; *J. Chem. Soc. Dalton Trans.* (1987) 1389-1395
- 321.E. Bouwman, W.L. Driessen and J. Reedijk; Modelling Type-I Copper Proteins with Thioether- and Imidazole-containing Ligands; *Recl. Trav. Chim. Pays-Bas*, 106 (1987) 369
- 322.K. Locher, W.L. Driessen and J. Reedijk; Transition-metal Compounds of Two Tetradentate Pyrazole Derivatives of Piperazine; *Inorg. Chim. Acta.*, 127 (1987) 135-139
- 323.F.J. Viersen, G. Challa and J. Reedijk; The Mechanism of the Oxidative Coupling Polymerization of 2,6-Dimethylphenol by Copper-Amine Complexes; *Recl. Trav. Chim. Pays-Bas*, 106 (1987) 362
- 324.K. Locher, H.L. Blonk, W.L. Driessen and J. Reedijk; Structure of N,N-Bis[3,5-dimethylpyrazol-1-yl)methyl]aniline] dinitratocobalt(II); *Acta Cryst.* C43 (1987) 651-653
- 325.F.J. Dijt and J. Reedijk; Complex Formation of Cisplatin with the Oligonucleotides d((p)AG), d((p)GA) and d(TAGAT), studied by Proton NMR Spectroscopy; *Recl. Trav. Chim. Pays-Bas*, 106 (1987) 198
- 326.U. Turpeinen, R. Hamalainen and J. Reedijk; The Dinuclear Unit μ -aqua-bis(μ -Carboxylato)Dimetal. X-ray Structure and Magnetism of Cobalt and Nickel(II) Compounds containing Bridging Carboxylato Groups and a Bridging Water Molecule; *Polyhedron* 6 (1987) 1603-1610
- 327.J.L. van der Veer, G.J. Ligtoet and J. Reedijk; Reactions of Platinum(IV) Amine Compounds with 9-Methylhypoxanthine at High Temperature Result in Both Platinum(II) and Platinum(IV) Amine Adducts; *J. of Inorg. Biochem.* 29 (1987) 217-223
- 328.J.L. van der Veer, H. van den Elst and J. Reedijk; Separation, Characterization, and Stability of Products from cis-PtCl₂(NH₃)₂ and [PtCl(dien)]Cl with 9-Ethylguanine, Formed under Neutral or Alkaline Conditions. Evidence for a Migration of the Platinum Moiety from N1 to N7; *Inorg. Chem.* 26 (1987) 1536-1540
- 329.J. Reedijk; The mechanism of action of platinum anti-tumor drugs; *Pure & Appl. Chem.*, 59 (1987) 181-192
- 330.E.L.M. Lempers, K. Inagaki and J. Reedijk; Formation of S-bridged Dinuclear Unit between GSH and [PtCl(dien)]Cl; *Recl. Trav. Chim. Pays-Bas*, 106 (1987) 382-383
- 331.J. Reedijk; Bioinorganic Chemistry; Inorganic Chemistry in a Perspective of Biology, Medicine and the Environment; *Naturwissenschaften*, 74, (1987) 71-77
- 332.C.J. van Garderen, C. Altona and J. Reedijk; A Structural Analysis of Pt(dien)[d(CpGpT)-N7(2)] using High-Field Nuclear Magnetic Resonance; *Recl. Trav. Chim. Pays-Bas*, 106 (1987) 196
- 333.E.L.H. Tollens, F.B. Hulsbergen and J. Reedijk; Model Compounds for Iron-Sulfur Proteins; *Recl. Trav. Chim. Pays-Bas*, 106 (1987) 246
- 334.J. Reedijk, A.M.J. Fichtinger-Schepman, A.T. van Oosterom and P. v.d. Putte; Platinum Amine Coordination Compounds as Anti-Tumor Drugs. Molecular Aspects of the Mechanism of Action; *Structure & Bonding*, 67, (1987) 53-89
- 335.M. Biagini-Cingi, A.M. Manotti-Lanfredi, A. Tiripicchio, J.P. Cornelissen, J.G. Haasnoot and J. Reedijk; Preparation, Spectroscopic and Magnetic Characterization of a New Series of Two-dimensional Transition Metal Compounds. The X-ray Structure of Poly-bis(thiocyanato-N)-bis- μ -[1,2,4]triazolo(1,5-a)-pyrimidine-N1,N3)iron(II); *Inorg. Chim. Acta*, 127 (1987) 189-193
- 336.E.J. Dirks, J.G. Haasnoot, A.J. Kinneking and J. Reedijk; Coordination Compounds of 5-Methyl[1,2,4]triazolo[1,5-a]pyrimidin 7-ol. Structures, Spectra, and Unusual Magnetic Properties of Tetraaqua-bis(5-methyl[1,2,4]triazolo[1,5-a]pyrimidin-7-ylato)copper(II) and the Structurally Analogous Diammine Diaqua Compound; *Inorg. Chem.* 26 (1987) 1902-1906
- 337.W. Vreugdenhil, M.F.J. Schoondergang, J.G. Haasnoot and J. Reedijk; Magnetic and Spectroscopic Properties of Metal(II) Thiocyanate Compounds with 3,4-Dialkyl Substituted 1,2,4-Triazoles; *Z. Naturforsch.* 42b (1987) 791-795
- 338.W. Vreugdenhil, J.G. Haasnoot, R.A.G. de Graaff, H.A. Nieuwenhuis, D. Reefman and J. Reedijk; Structure of Poly-diaqua-bis(μ -4,4'-bi-1,2,4-triazole-N1,N1')-manganese(II) Dinitrate Dihydrate; *Acta Cryst.* C43 (1987) 1527-1530
- 339.W. Vreugdenhil, J.G. Haasnoot, O. Kahn, P. Thuery and J. Reedijk; A Copper(II) Dope as a Detector for the High-Spin Low-Spin Transition in the Two-Dimensional Compound [trans-Bis(thiocyanato)bis(4,4-bi-1,2,4-triazole)iron]Hydrate; *J. Am. Chem. Soc.* 109 (1987) 5272-5273
- 340.W.L. Driessen, H.L. Blonk, R.A.G. de Graaff and J. Reedijk; The Structure of the Mixed-Ligand Compound N,N-Bis[3,5-dimethyl-1-pyrazolyl)methyl]aniline (3,5-dimethylpyrazole)nitratozinc(II) Nitrate; *Acta Cryst.* C43 (1987) 1516-1518
- 341.J.M.M. Smits, R. Janssen, P.T. Beurskens, J. van Rijn and J. Reedijk; Cobalt(II) and Nickel(II) Halide Coordination Compounds with 1,6-bis(Benzimidazol-2-yl)-2,5-Dithiahexane and 1,7-bis(Benzimidazol-2-yl)-2,6-Dithiaheptane. The Crystal and Molecular Structure of Dibromo(1,6-bis(Benzimidazol-2-yl)-2,5-Dithiahexane)Nickel(II); *Polyhedron*, 6 (1987) 1843-1847
- 342.J.L. van der Veer, H.P.J.M. Noteborn, H. van den Elst and J. Reedijk; The Influence of the 5'-Nucleotide on the Binding of [PtCl(dien)]Cl to the Dinucleotides d(HpG), as Studied by Competition Experiments; *Inorg. Chim. Acta* 131 (1987) 221-224
- 343.J.L. van der Veer, G.A. van der Marel, H. van den Elst and J. Reedijk; The Antitumor Drug cis-Diamminedichloroplatinum(II)

- Preferentially Chelating Neighboring Guanines in the Trinucleotide d(gpGpG); *Inorg. Chem.* **26** (1987) 2272-2275
- 344.J. Nieman, J.H. Teuben, F.B. Hulsbergen, R.A.G. de Graaff and J. Reedijk; Crystal Structure, Electron Spin Resonance, and Magnetic Exchange coupling in Bis(μ -chloro)bis(cyclopentadienyl)(triethylphosphane)vanadium(II); *Inorg. Chem.* **26** (1987) 2376-2379
- 345.W.L. Driessen, H.L. Blonk, W. Hinrichs and J. Reedijk; Structure of the Mixed-Valence Compound Poly [N,N-bis(3,5-dimethyl-1-pyrazolylmethyl)aminobenzene]-tris(μ -thiocyanato-S,N)dicopper(I,II) *Acta Cryst.*, **C43** (1987) 1885-1888
- 346.J. van Rijn, J. Reedijk, M. Dartmann and B. Krebs; Copper(I) and Copper(II) Compounds of a Dinucleating, Octadentate Tetrakisbenzimidazole Ligand. Crystal and Molecular Structures of Three Dihalogeno 1,8-bis[bis(1'-methylbenzimidazol-2'-ylmethyl)amino]-3,6-dioxaoctanedicopper(II) Bis(anion) Compounds (Halogen = F, Cl, or Br; Anion = BF₄, CF₃SO₃, or Cl); *J. Chem. Soc. Dalton Trans.*, (1987) 2579-2593
- 347.O. Kahn, R. Prins, J. Reedijk and J.S. Thompson; Orbital Symmetries and Magnetic Interaction between Copper(II) Ions and the o-Semiquinone Radical. Magnetic Studies of (Di-2-pyridylamine)(3,5-di-tert-butyl-o-semiquinonato)copper(II) Perchlorate and Bis(bis(3,5-di-tert-butyl-o-semiquinonato)copper(II)); *Inorg. Chem.* **26** (1987) 3557-3561
- 348.U. Geiser, B.L.Ramakrishna, R.D.Willett, F.B.Hulsbergen and J. Reedijk; Crystal Structures and Magnetic Behavior of Pyridinium Bis(oxalato)cuprate(II)-Oxalic Acid and; Bis(2-methylimidazole)copper(II) Oxalate; *Inorg. Chem.* **26** (1987) 3750-3756
- 349.U. Turpeinen, R. Hämäläinen and J. Reedijk; Crystal Structure and Magnetic Properties of a Unique Copper(II) Compound, Octakis(μ -dichloroacetato-O,O')bis(dichloroacetato-O)-hexakis- $[\mu_3$ -(2-dimethylaminoethanolato)]-di- μ_3 -hydroxo-nonacopper(II); *Inorg. Chim. Acta.* **134** (1987) 87-93
- 350.W. Vreugdenhil, J.G. Haasnoot, M.F.J. Schoondergang and J. Reedijk; Spectroscopic and Magnetic Properties of Transition Metal(II) Trifluoromethanesulfonate Compounds with Bridging Asymmetric 3,4-Dialkyl Substituted 1,2,4-Triazole Ligands; *Inorg. Chim. Acta* **130** (1987) 235-242
- 351.J.Reedijk.; Heterocyclic nitrogen-donor ligands; In: G. Wilkinson (Ed), Comprehensive Coordination Chemistry.; **2** (1987), 73-98 (Pergamon Press).
- 1988:
- 352.L.R. Groeneveld, G.J. Kramer, T.B.L.W. von Marinelli, H.B. Brom, J.G. Haasnoot and J. Reedijk; Counter-Ion Influences on the Electrical Conduction Properties of 1,2-Dithiolene Coordination Compounds, In: Organic and Inorganic Low-dimensional Crystalline Materials.; In: P. Delhaes and M. Drillon (Eds.), Nato Advanced Series, Plenum Press, Series B, **168** (1988), 349 - 352
- 353.R. Hage, R. Prins, R.A.G. de Graaff, J.G. Haasnoot and J. Reedijk; Structure of mer-(Acetonitrile)trichloro[1-methyl-3-(2-pyridyl)-1,2,4-triazole]ruthenium(III); *Acta Cryst.*, **C44** (1988) 56-58;
- 354.F.S. Keij, R.A.G. de Graaff, J.G. Haasnoot, A.J. Oosterling, E.Pedersen and J. Reedijk; The First Difluoro-bridged Copper Chain, an Alternating Zig-zag, Stabilized by a Unique Intrachain Hydrogen Bond System. Crystal and Molecular Structure of *Catena*-poly[di- μ -fluoro-bis(3-methyl-4-ethyl-5-phenylpyrazole)copper(II)]; *J. Chem. Soc., Chem. Commun.* (1988) 423-425
- 355.A.W. Addison, M. Palaniandavar, W.L. Driessen, F. Paap and J. Reedijk; Copper Complexes of some Tetradentate Pyrazolyl Amines; *Inorg. Chim. Acta.* **142** (1988) 95-100
- 356.C.E. Koning, F.J. Viersen, G. Challa and J. Reedijk; A mechanistic study on the oxidation of 2,6-dimethyl-phenol by dmap- and polystyrene-bound dmap-based copper catalysts; *J. Mol. Catal.*, **44** (1988) 245-257
- 357.E. Bouwman, R. de Gelder, R.A.G. de Graaff, W.L. Driessen and J. Reedijk; Transition-metal coordination compounds of a chelating imidazole-thioether ligand. The molecular structure of diisothiocyanato[1,6-bis(5-methyl-4-imidazolyl)-2,5-dithiahexane]nickel(II); *Recl. Trav. Chim. Pays-Bas*, **107** (1988) 163-166
- 358.E.L.M. Lempers, K. Inagaki and J. Reedijk; The influence of the 3'-base on the kinetics of the binding of [PtCl(Dien)]Cl to the dinucleotides d(GpH) (H = A,C,T), In: Platinum and other metal coordination compounds in cancer chemotherapy, M. Nicolini (Ed.), M. Nijhoff, Boston (1988) 110-114
- 359.K. Inagaki, F.J. Dijt, E.L.M. Lempers and J. Reedijk; Bulky Ligand Substituent Effect on the Reaction of 5'-GMP with Pt(1,3-diamine). Rotation of 5'-GMP about the Pt-N Bond and Kinetic Effects; *Inorg. Chem.*, **27** (1988) 382-387
- 360.P. Stupik, W.M. Reiff, R. Hage, J. Jacob, J.G. Haasnoot and J. Reedijk; Structural and magnetic (spin-crossover) phase transitions in a series of methyl substituted 5-(pyridine-2-yl)-1,2,4-triazole complexes of iron(II); *Hyperfine Interactions*, **40** (1988) 343-345
- 361.E. Bouwman, J.S. Wood, R. Day, J.C. ten Hove, W.L. Driessen and J. Reedijk; Structure of Diaqua[1,6-bis(4-imidazolyl)-2,5-dithiahexane]nickel(II) Dinitrate; *Acta Cryst.*, **C44** (1988) 644-646
- 362.H. Strasdeit, W. Saak, S. Pohl, W.L. Driessen and J. Reedijk; Synthetic and Structural Studies on the Novel Nitrogen Ligand 2,5,8,10,13,16-Hexaazapentacyclo[8.6.1.12,5.09,18.013,17]octadecane and Its Reaction Products with Methanolic Cadmium Halogenide Solutions: $Ci-C_{12}H_{22}N_6$, $[CdX_2(C_2-C_{12}H_{22}N_6)]$ (X = Cl, Br, I), and $[Cd_2(C_{12}H_{23}N_6OCH_3)]$; *Inorg.Chem.* **27**, (1988) 1557-1563
- 363.S.B. Sanni, H.J. Behm, P.T. Beurskens, G.A. van Albada, J. Reedijk, A.T.H. Lenstra, A.W. Addison and M. Palaniandavar; Copper(II) and Zinc(II) Co-ordination Compounds of Tridentate Bis(benzimidazole)pyridine ligands. Crystal and Molecular Structures of Bis[2,6-bis(1'-methylbenzimidazol-2'-yl)pyridine]copper(II) Diperchlorate Monohydrate and (Acetonitrile)[2,6-bis(benzimidazol-2'-yl)pyridine](perchlorato)copper(II) Perchlorate; *J.Chem.Soc.Dalton Trans.*, (1988) 1429-1435
- 364.E. Bouwman, W.L. Driessen and J. Reedijk; Synthesis, Spectroscopy, and Crystal Structure of a Thiocyanato-bridged Mixed-valence Copper(I)-Copper(II) Compound with the Ligand 1,6-Bis(5'-methylimidazol-4'-yl)-2,5-dithiahexane; *J.Chem.Soc.Dalton Trans.*, (1988) 1337-1340
- 365.E.L.M. Lempers, K. Inagaki and J. Reedijk; Reactions of [PtCl(dien)]Cl with Glutathione, Oxidized Glutathione and S-Methyl Glutathione. Formation of an S-bridged Dinuclear Unit; *Inorg.Chim.Acta.* **152** (1988) 201-207
- 366.J. Reedijk; Structure Determination of Platinum Antitumor Compounds and their Adducts with DNA; In: NMR spectroscopy in drug research;; Proceedings of the Alfred Benzoin Symposium **26**, J.W. Jaroszewski, K. Schaumburg and H. Kofod (Eds.), Munksgaard, Copenhagen (1988) 341-354
- 367.R. Hage, A.H.J. Dijkhuis, J.G. Haasnoot, R. Prins, J. Reedijk, B.E. Buchanan and J.G. Vos; Synthesis and Spectroscopic and Electrochemical Properties of Mononuclear and Dinuclear Bis(2,2'-bipyridyl)ruthenium Complexes Containing 3,5-Bis(pyridin-2-yl)-1,2,4-triazole; *Inorg.Chem.*, **27** (1988) 2185-2189
- 368.J.G. Haasnoot, T.L.F. Favre, W. Hinrichs and J. Reedijk; A Novel Tetranuclear Copper(I) Cluster with Alternate Bridging Halide and Triazolopyrimidine Ligands; *Angew.Chem. Int. Ed. Engl.*, **27** (1988) 856-858
- 369.J.R. Perno, Y.D. Park, J. Reedijk and T.G. Spiro; UV Resonance Raman Study of Platinum Binding to Guanine in Mono- and Dinucleotides; *Journal of Raman Spectroscopy*, **19** (1988) 203-212

- 370.J.L. van der Veer and J. Reedijk; Investigating antitumour drug mechanisms; *Chem.Brit.*, 24 (1988) 775-780
- 371.C.M. Groeneveld, J. van Rijn, J. Reedijk and G.W. Canters; Spectroscopic Investigations of the Electron Self-Exchange Reaction of the Perchlorate Salt of [1,7-Bis(5-methylimidazol-4-yl)-2,6-dithiaheptane]copper(n+) (n = 1,2); *J.Am.Chem.Soc.*, 110 (1988) 4893-4900
- 372.W.L. Driessen, R.A.G. de Graaff, J. Ochocki and J. Reedijk; Mixed Acetato - Perchlorate Transition Metal Complexes of Pyrazole Substituted Ammonia. Crystal Structure of [(acetato)(aqua)-(tris(3,5-dimethyl-1-pyrazolylmethyl)amine)cobalt(II)] Perchlorate; *Inorg. Chim. Acta*, 150 (1988) 41-45
- 373.A.L. Spek, A.J.M. Duisenberg, E. Bouwman, W.L. Driessen and J. Reedijk; Structure of Bis[1,3-bis(5-methyl-4-imidazolyl)-2-thiapropane-N,N,S]nickel(II) Hexafluorosilicate Pentahydrate; *Acta Cryst.*, C44 (1988) 1569-1572
- 374.E. Bouwman, A. Burik, J.C. ten Hove, W.L. Driessen and J. Reedijk; Metal Chloride Compounds of Chelating Imidazole - Thioether Ligands. Crystal Structures of Dichloro-(1,6-bis(5-methyl-4-imidazolyl)-2,5-dithiahexane)copper(II) and [Chloro-(1,6-bis(5-methyl-4-imidazolyl)-2,5-dithiahexane)copper(II)] Chloride Dihydrate; *Inorg. Chim. Acta*, 150 (1988) 125-131
- 375.S.K. Sahni and J. Reedijk; Spectroscopic Studies of Transition Metal Complexes on Chelating Resins Containing Multidentate Pyridine Derivatives; *Inorg.Chim.Acta*, 150 (1988) 169-172
- 376.F. Paap, W.L. Driessen, J. Reedijk and A.L. Spek; Transition Metal Complexes of Ligands Containing 3,5-Dimethylpyrazolyl Groups and Thioether Functions. The Crystal and Molecular Structure of (1,12-Bis(3,5-dimethylpyrazol-1-yl)-2,11-diaza-5,8-dithiadodecane)nickel(II) bis(tetrafluoroborate); *Inorg. Chim. Acta*, 150 (1988) 57-64
- 377.U. Turpeinen, R. Hämäläinen and J. Reedijk; Synthesis, Structure and Magnetism of Two Hexameric Copper(II)Complexes: Diaqua-bis[μ-(4-bromobenzoato-O,O')]tetrakis(4-bromobenzoato)hexakis-[μ-(2-dimethylaminoethanolato)]hexacopper(II) and Bis[μ₃-(2-dibutylaminoethanolato)-μ-(2-dibutylaminoethanolato)]tetrakis-(μ-dichloroacetato-O,O')-bis(dichloroacetato)-di-μ₃-hydroxo-hexacopper(II); *Inorg.Chim.Acta*, 154 (1988) 201-207
- 378.J.H. van Diemen, L.R. Groeneveld, A. Lind, R.A.G. de Graaff, J.G. Haasnoot and J. Reedijk; Structures of Tetramethylammonium Bis(2-thioxo-1,3-dithiole-4,5-dithiolato)niccolate(III) and Tetrapropylammonium Bis(2-thioxo-1,3-dithiole-4,5-dithiolato)niccolate(III); *Acta Cryst.*, C44 (1988) 1898-1902
- 379.G.J. Kramer, J.C. Jol, H.B. Brom, L.R. Groeneveld and J. Reedijk; The conductivity and band structure of some synthetic semiconductors based on M(dmit)₂ (M = Ni, Pd, Pt); *J.Phys.C: Solid State Phys.*, 21 (1988) 4591-4601
- 380.E. Bouwman, R. Day, W.L. Driessen, W. Tremel, B. Krebs, J.S. Wood and J. Reedijk; Two Different Copper(II) Coordination Geometries Imposed by Two Closely Related Chelating Imidazole-Thioether (N₂S₂) Ligands. Crystal Structures of (1,6-Bis(4-imidazolyl)-2,5-dithiahexane)chlorocopper(II) Tetrafluoroborate, (1,6-Bis(5-methyl-4-imidazolyl)-2,5-dithiahexane)chloro(tetrafluoroborato)copper(II), and (1,6-bis(5-methyl-4-imidazolyl)-2,5-dithiahexane)nitrate(thiocyanato-N)copper(II); *Inorg.Chem.*, 27 (1988) 4614-4618
- 381.E. Bouwman, J.C. ten Hove, W.L. Driessen and J. Reedijk; Transition metal coordination compounds of a chelating imidazole-thioether ligand. The X-ray crystal structure of (1,6-bis(4(5)-imidazolyl)-2,5-dithiahexane)bis(nitrate)copper(II); *Polyhedron*, 7 (1988) 2591-2595
- 382.F. Paap, W.L. Driessen, R.A.G. de Graaff and J. Reedijk; Dinuclear transition metal compounds of a decadentate pyrazole-containing chelating ligand. X-ray crystal structure of Co₂(tthd)(ClO₄)₄(H₂O)₂(MeOH)_{1,75}; *Polyhedron*, 7 (1988) 2575-2581
- 383.Y.C.M. Pennings, W.L. Driessen and J. Reedijk; Copper(I) coordination compounds with two bidentate chelating pyrazole ligands. X-ray crystal structures of di-μ-chloro-bis[[N,N-Bis(1-pyrazolylmethyl)aminoethane]copper(I)] and [bis(N,N-bis(1-pyrazolyl-methyl)aminoethane)copper(I) triflate]; *Polyhedron*, 7 (1988) 2583-2589
- 384.S.K. Sahni, W.L. Driessen and J. Reedijk; Synthesis and Characterization of Chelating Ion-exchange Resins: a Spectral Study of Copper(II) Complexes of Chelating Ion-exchange Resins Containing Multidentate Imidazole Moieties; *Inorg.Chim.Acta*, 154 (1988) 141-155
- 385.Y.C.M. Pennings, W.L. Driessen and J. Reedijk; The X-ray structure of (N,N-bis(3,5-dimethyl-1-pyrazolyl)-methyl)aminoethaneaminoethaneiodocopper(I); *Acta Cryst.*, C44 (1988) 2095-2097
- 386.F.J. Dijt, A.J. Fichtinger-Schepman, F. Berends and J. Reedijk; Formation and Repair of Cisplatin-induced Adducts to DNA in Cultured Normal and Repair-deficient Human Fibroblasts; *Cancer Research*, 48 (1988) 6058-6062
- 387.C.J. van Garderen, C. Altona and J. Reedijk; Alterations in the d(CpGpT)structure in solution as a result of [PtCl(diethylenetriamine)]⁺binding; *Eur.J.Biochem.*, 178 (1988) 115-121
- 1989:
- 388.F.S. Keij, R.A.G. de Graaff, J.G. Haasnoot, J. Reedijk and E. Pedersen; An Unusual Hexafluorosilicato-bridged Chain Compound; Crystal Structure of catena-(μ-Hexafluorosilicato)-tetrakis(5-phenylpyrazole)copper(II); *Inorg.Chim.Acta*, 156 (1989) 65-70
- 389.A.T.H. Lenstra, H.J. Bruins Slot, P.T. Beurskens, J.G. Haasnoot and J. Reedijk; Transition metal compounds of 5,7-dimethyl[1,2,4]triazolo[1,5- \square]pyrimidine(dmtp). X-ray structures of trans-tetraaquabis(dmtp-N3)nickel(II)diodide dihydrate and trans-diaquatetrakis(dmtp-N3)Nickel(II) bis(triiodide) bis(dmtp); *Recl.Trav.Chim. Pays-Bas* 108 (1989) 133-138
- 390.M. Biagini-Cingi, A. Manotti Lanfredi, A. Tiripicchio, J.G. Haasnoot and J. Reedijk; Structure of Bis(3-acetyl-amino-1,2,4-triazole-O,N⁴)diaquacopper(II) Sulfate Pentahydrate; *Acta Cryst.* C45 (1989) 601-604
- 391.W.M.E. Koomen-van Oudenniel, R.A.G. de Graaff, J.G. Haasnoot, R. Prins and J. Reedijk; Magnetic and Spectroscopic Properties of Copper(II) Compounds with Alkyl-Disubstituted Triazoles. X-ray Structure of Bis[μ-4-amino-3,5-bis(aminomethyl)-1,2,4-triazole-N¹,N²,N⁴]bis[aquabromocopper(II)] Dibromide-2-Water-Methanol; *Inorg.Chem.*, 28 (1989) 1128-1133
- 392.R. Hage, J.P. Turkenburg, R.A.G. de Graaff, J.G. Haasnoot, J. Reedijk and J.G. Vos; Structure of Bis(2,2'-bipyridine)[3,5-bis(2-pyridyl)-1,2,4-triazole]ruthenium(II) Hexafluorophosphate Hemihydrate; *Acta Cryst.*, C45 (1989) 381-383
- 393.R. Hage, J.G. Haasnoot, D.J. Stufkens, T.L. Snoeck, J.G. Vos and J. Reedijk; Resonance Raman Spectra and Electrochemistry of Mononuclear and Dinuclear (Bis(pyridinyl)triazolato)ruthenium Compounds; *Inorg. Chem.*, 28 (1989)1413-1414
- 394.F.J. Viersen, G. Challa and J. Reedijk; Mechanistic studies of the oxidative coupling polymerization of 2,6-dimethylphenol; Part III. Spectroscopic Study of Copper(II) N,N,N',N'-tetramethylethylenediamine (tmed) complexes under catalytic conditions; *Recl.Trav.Chim.Pays-Bas*, 108 (1989) 167-173
- 395.A. Volbeda, M.C. Feiters, M.G. Vincent, E. Bouwman, B. Dobson, K.H. Kalk, J. Reedijk and W.G.J. Hol; Spectroscopic investigations of Panulirus interruptus hemocyanin in the crystalline state"; *Eur.J.Biochem.*, 181 (1989) 669-673
- 396.N.J. Blackburn, R.W. Strange, J. Reedijk, A. Volbeda, A. Farooq, K.D. Karlin and J. Zubieta; X-ray Absorption Edge Spectroscopy of Copper(I) Complexes. Coordination Geometry of Copper(I) in the

- Reduced Forms of Copper Proteins and Their Derivatives with Carbon Monoxide; *Inorg. Chem.*, **28** (1989) 1349-1357
- 397.F.J. Dijt, J.C. Chottard, J.P. Girault and J. Reedijk; Formation and structure of reaction products of *cis*-PtCl₂(NH₃)₂ with d(ApG) and/or d(GpA) in di-, tri- and penta-nucleotides; *Eur. J. Biochem.*, **179** (1989) 333-344
- 398.C.J. van Garderen, H. van den Elst, J.H. van Boom, J. Reedijk and L.P.A. van Houte; A Double-Stranded DNA Fragment Shows a Significant Decrease in Double-Helix Stability After Binding of Monofunctional Platinum Amine Compounds; *J. Am. Chem. Soc.*, **111** (1989) 4123-4125
- 399.M.G.W. van Diepen, R.A.G. de Graaff, F.B. Hulsbergen and J. Reedijk; Synthesis, spectroscopy, magnetism and X-ray structure of bis(dichloro-mercury(II)-κ-Cl)mercury bis[tris(2-aminoethaneethiolato)niccolate(II)] tetrahydrate; *Inorg. Chim. Acta*, **162** (1989) 271-275
- 400.J. van Rijn, E. Bouwman, J.R. Empfield, W.L. Driessen and J. Reedijk; Coordination compounds with a biomimetic N₂S₂ ligand, resulting in long metal-thioether bonds. The crystal and molecular structure of [1,7-bis(5-methyl-4-imidazolyl)-2,6-dithiaheptane]bis(thiocyanato-N)cobalt(II); *Polyhedron*, **8** (1989) 1965-1970
- 401.F.J. Viersen, G. Challa and J. Reedijk; Mechanistic studies of the oxidative-coupling polymerization of 2,6-dimethylphenol. Part V: Effect of different copper counter-ions on the structure of the copper complex, its catalytic activity and specificity for polymer formation; *Recl. Trav. Chim. Pays-Bas*, **108** (1989) 247-255
- 402.W.L. Driessen, W.G.R. Wiesmeijer, M. Schipper-Zablotskaja, R.A.G. de Graaff and J. Reedijk; Transition metal coordination compounds of two pyrazole-substituted ammonia ligands. X-ray structures of [bis{bis(1-pyrazolylmethyl)amine}cobalt(II)]-bis(nitrate); *Inorg. Chim. Acta*, **162** (1989) 233-238
- 403.J.P. Cornelissen, R.A.G. de Graaff, J.G. Haasnoot, R. Prins, J. Reedijk, M. Biagini-Cingi, A.M. Manotti-Lanfredi and A. Tiripicchio; Structures and properties of bis(thiocyanato-N)bis(6-methyl[1,2,4]triazolo-[1,5-a]pyrimidine-N³)copper(II), a distorted tetrahedral copper(II) thiocyanate compound, and bis(thiocyanato-N)bis(5-methyl[1,2,4]triazolo-[1,5-a]pyrimidine-N³)copper(II), a polynuclear pseudo-layered system; *Polyhedron*, **8** (1989) 2313-2320
- 404.A.J. Oosterling, R.A.G. de Graaff, J.G. Haasnoot, F.S. Keij, J. Reedijk and E. Pedersen; Spectroscopic and Magnetic Identification of Difluoro-bridged Zigzag Copper Chains with Substituted 5-Phenylpyrazole Ligands. Structural Identification of catena-Poly[bis(3-methyl-4-ethyl-5-phenylpyrazole)copper-di-μ-fluoro]; *Inorg. Chim. Acta*, **163** (1989) 53-58
- 405.P.D. Verweij, F.J. Rietmeijer, R.A.G. de Graaff, A. Erdönmez and J. Reedijk; Pseudo-tetrahedral Coordination Compounds of Cobalt, Zinc, Nickel and Iron Halides with 3(5)-Methyl-5(3)-Phenylpyrazole. The Crystal and Molecular Structures of Dichlorobis(3-methyl-5-phenylpyrazole)cobalt(II) and Dibromobis(3-methyl-5-phenylpyrazole)zinc(II); *Inorg. Chim. Acta*, **163** (1989) 223-230
- 406.G.A. van Albada, J. Reedijk, R. Hämläinen, U. Turpeinen and A.L. Spek; A Novel Type of Tetranuclear Cluster with the Trinucleating Ligand 1,2-Bis-(benzimidazol-2-yl)-1-hydroxyethane. Crystal and Molecular Structure of Ni(HRSL)₂(CF₃SO₃)₂ and [Cu₄(SL)₄(NO₃)₂(EtOH)](NO₃)₂(EtOH)₃(H₂O)₂; Spectroscopic and Magnetism of these and Related Transition Metal Compounds; *Inorg. Chim. Acta*, **163** (1989) 213-222
- 407.H. Strasdeit, M. Friedemann, S. Pohl, W.L. Driessen and J. Reedijk; A formylstyrene-styrene-divinylbenzene resin. Synthesis, condensation reactions, and low-molecular-weight model compounds; *Makromol. Chem.*, **190** (1989) 1881-1889
- 408.V. Brabec, V. Vetterl, V. Kleinwächter and J. Reedijk; Interfacial behaviour of trioxoribonucleotide d(CpGpG) and its complex with the antitumour drug cis platin at the mercury/electrolyte solution interface; *Bioelectrochem. and Bioenergetics*, **21** (1989) 199-204
- 409.W.G. Haanstra, W.L. Driessen, J. Reedijk, U. Turpeinen and R. Hämläinen; Unusual chelating properties of the ligand 1,8-bis(3,5-dimethyl-1-pyrazolyl)-3,6-dithiaoctane (bddo). Crystal structures of Ni(bddo)(NCS)₂, Zn(bddo)(NCS)₂ and Cd₂(bddo)(NCS)₄; *J. Chem. Soc. Dalton Trans.*, (1989) 2309-2314
- 410.F. Barigelletti, L. De Cola, V. Balzani, R. Hage, J.G. Haasnoot, J. Reedijk and J.G. Vos; Photophysical, Photochemical, and Electrochemical Properties of Mononuclear and Dinuclear Ruthenium(II) Complexes Containing 2,2'-Bipyridine and the 3,5-Bis(pyridin-2-yl)-1,2,4-triazolate Ion; *Inorg. Chem.*, **28** (1989) 4344-4350
- 411.E. Bouwman, C.E. Westheide, W.L. Driessen and J. Reedijk; Synthesis and spectroscopic studies on transition metal nitrates and thiocyanates of a chelating imidazole-thioether ligand. The crystal structures of [diaqua-bis{5-methyl-4-(ethylmercaptomethyl)-imidazole}nickel(II)] bis(nitrate), [diaqua-bis{5-methyl-4-(ethylmercapto-methyl)imidazole}copper(II)] bis(nitrate) and bis{5-methyl-4-(ethylmercaptomethyl)imidazole}-bis(thiocyanato-N)cobalt(II); *Inorg. Chim. Acta*, **166** (1989), 291-299
- 1990:
- 412.R.J. Forster, A. Boyle, J.G. Vos, R. Hage, A.H.J. Dijkhuis, R.A.G. de Graaff, J.G. Haasnoot, R. Prins and J. Reedijk; Synthesis, characterisation, reactivity, and X-ray structure of cis-carbonylchlorobis[1-methyl-3-(pyridin-2-yl)-1,2,4-triazole-N⁴N¹]ruthenium hexafluorophosphate; *J. Chem. Soc. Dalton Trans.*, (1990) 121-126
- 413.W. Vreugdenhill, J.G. Haasnoot, J.S. Wood and J. Reedijk; Synthesis, Spectroscopy and X-ray Structure of Hexakis(μ-3-methyl-4-ethyl-1,2,4-triazolo-N¹,N³)tetraaquaticopper(II) Hexakis(trifluoromethylsulfonate); *Inorganica Chimica Acta*, **167** (1990) 109-113.
- 414.J. Ochocki, P. Chaudhuri, W.L. Driessen, R.A.G. de Graaff, F.B. Hulsbergen and J. Reedijk; Synthesis, Spectroscopy and Magnetism of Mixed-valence Ni(II)-Ni(III)Compounds with (Benz)imidazolethioether, Acetates and Dithiolates as Ligands. Crystal Structure of (Acetato)(1,6-bis(benzimidazol-2-yl)-2,5-dithiahexane)nickel(II) Bis(toluene-3,4-dithiolato)niccolate(III); *Inorganica Chimica Acta*, **167** (1990) 15-20.
- 415.E.L.M. Lempers and J. Reedijk; Reversibility of Binding of Cisplatin-Methionine in Proteins by Diethylthiocarbamate or Thiourea: A Study with Model Adducts; *Inorg. Chem.*, **29** (1990) 217-222.
- 416.R. Hage, J.H. van Diemen, G. Ehrlich, J.G. Haasnoot, D.J. Stufkens, T.L. Snoeck, J.G. Vos and J. Reedijk; Ruthenium compounds containing pyridyltriazines with low-lying π^* orbitals; *Inorg. Chem.*, **29** (1990) 988-993
- 417.M.F. Cabral, J. de O. Cabral, E. Bouwman, W.L. Driessen and J. Reedijk; Redox properties of five-coordinate and six-coordinate chlorobis(imidazole)-bis(thioether)copper(II) complexes; *Inorganica Chimica Acta*, **167** (1990) 205-211
- 418.A.H.J. Tullemans, E. Bouwman, R.A.G. de Graaff, W.L. Driessen and J. Reedijk; Dioxygen uptake and catalytic activity of some monomeric copper(II) compounds containing an N,S donor ligand. The X-ray structure of bis[5-methyl-4-(ethylthiomethyl)imidazole]-bis(tetrafluoroborato)copper(II); *Recl. Trav. Chim. Pays-Bas* **109** (1990) 70-76
- 419.F.J. Viersen, G. Challa and J. Reedijk; Mechanistic studies of the oxidative-coupling polymerization of 2,6-dimethylphenol. Part II. Specificity of the reaction and formation of diphenoquinone; *Recl. Trav. Chim. Pays-Bas* **109** (1990) 97-102

- 420.R. Hage, J.G. Haasnoot, J. Reedijk, R. Wang, E. Ryan, J.G. Vos, A.L. Spek and A.J.M. Duisenberg; Synthesis, Spectroscopic and Electrochemical Properties and X-ray studies of bis(2,2'-bipyridyl)(3-(2-hydroxy-phenyl)-5-(pyridin-2-yl)-1,2,4-triazole)ruthenium(II) hexafluorophosphate orbitals; *Inorg. Chim. Acta*, 174 (1990) 77-85
- 421.R. Hage, J.G. Haasnoot and J. Reedijk; Structure and properties of new pyridyltriazine low-spin iron(II) compounds; *Inorg. Chim. Acta*, 172 (1990) 19-23
- 422.A. Erdonmez, J.H. van Diemen, R.A.G. de Graaff and J. Reedijk; The Crystal Structure of μ_4 -oxo-hexa- μ -chloro-tetrakis(1,2-dimethylimidazoleCopper(II)) ; *Acta Cryst.* C46 (1990) 402-404
- 423.T. Lindgren, R. Sillanpää, K. Rissanen, L. K. Thompson, C. J. O'Connor, G. A. van Albada and J. Reedijk; Synthesis, characterisation, crystal structures and magnetic exchange in dinuclear copper complexes with 3-amino-1-propanol as terminal and bridging ligand; *Inorg. Chim. Acta*, 171 (1990), 95-102
- 424.C.J. van Garderen, C. Altona and J. Reedijk; Conformational changes in a single- and double-stranded nonanucleotide upon complexation of a monofunctional platinum compound as studied by ^1H NMR, ^{31}P NMR and CD methods; *Inorg. Chem.*, 29 (1990) 1481-1487
- 425.B.D.J.R. Fennema, R. Hage, J.G. Haasnoot, J. Reedijk and J.G. Vos; Synthesis, Spectroscopic and Electrochemical Properties of Bis(2,2'-bipyridyl)(3,3'-dimethyl-5,5'-bis-1,2,4-triazole)ruthenium(II) Hexafluorophosphate; *Inorg. Chim. Acta*, 171 (1990) 223-228
- 426.E.L.M. Lempers and J. Reedijk; Characterization of Products from $[\text{PtCl}(\text{dien})]\text{Cl}$ and S-Adenosyl-L-homocysteine. Evidence for a pH-Dependent Migration of the Platinum Moiety from the Sulfur Atom to the Amine Group and Vice Versa; *Inorg. Chem.*, 29 (1990) 1880-1884
- 427.K. Inagaki, M. Alink, A. Nagai, Y. Kidani and J. Reedijk; Unusual Isomerization Reaction of a Platinum Dinucleotide Compound; *Inorg. Chem.*, 29 (1990) 2183-2185
- 428.E. Bouwman, W.L. Driessen and J. Reedijk; Model systems for type I copper proteins: structures of copper coordination compounds with thioether and azole-containing ligands; *Coord. Chem. Rev.* 104 (1990) 143-172
- 429.F.J. Viersen, G. Challa and J. Reedijk; Mechanistic Studies of the Oxidative Coupling Polymerization of 2,6-Dimethylphenol. 1. Kinetics of Polymerization Catalysed by a Copper(II)-Tmed Complex; *Polymer* 31 (1990), 1361-1367.
- 430.F.J. Viersen, G. Challa and J. Reedijk; Mechanistic Studies of the Oxidative Coupling Polymerization of 2,6-Dimethylphenol. 4. Mechanism of Polymer Formation Catalysed by a Copper(II)-Tmed Complex; *Polymer* 31 (1990), 1368-1373.
- 431.B.E. Buchanan, J.G. Vos, M. Kaneko, W.J.M. van der Putten, J.M. Kelly, R. Hage, R.A.G. de Graaff, R. Prins, J.G. Haasnoot and J. Reedijk; Acid-base chemistry of polypyridyl ruthenium compounds of (pyridin-2'-yl)-1,2,4-triazoles. X-ray crystal structure of bis(2,2'-bipyridine)-[3-methyl-5-(pyridin-2'-yl)-1,2,4-triazolato- N^1]ruthenium hexafluorophosphate tetrahydrate; *J. Chem. Soc. Dalton Trans.* (1990), 2425-2431
- 432.Y.-H. Dong, W.-X. Tang, A.-B. Dai, J.-Z. Wu, J.H. van Boom, J. Reedijk and A.F. Struik; Assignment of the non-exchangeable proton resonances and conformational analysis of oligonucleotide DNA d(TTGGGGTT) by two-dimensional nuclear magnetic resonance methods; *Chin. J. of Chem.*, 3 (1990) 246-250
- 433.B.E. Buchanan, R. Wang, J.G. Vos, R. Hage, J.G. Haasnoot and J. Reedijk; Chromatographic Separation and Characterization of Linkage Isomers of the 3-(Pyridin-2-yl)-1H-1,2,4-triazole Complex of Ruthenium(II) Bis(2,2'-bipyridyl); *Inorg. Chem.*, 29 (1990) 3263-3265
- 434.M.A. Turner, W.L. Driessen and J. Reedijk; Synthesis, Structure, and Properties of a Trinuclear and a Mononuclear Nickel(II) Complex of N,N'-Dimethyl-N,N'-bis(\square -mercaptoethyl)ethylenediamine; *Inorg. Chem.*, 29 (1990) 3331-3335
- 435.M. Zoeteman, E. Bouwman, R.A.G. de Graaff, W.L. Driessen, J. Reedijk and P. Zanello; Synthesis and Spectroscopy of Copper(II) Compounds of a Chelating Imidazole-Thioether Ligand. Molecular Structures of (1,5-Bis(4-imidazolyl)-3-thiapentane)dichlorocopper(II), (1,5-Bis(4-imidazolyl)-3-thiapentane)bis(thiocyanato-N)copper(II), and $[\mu\text{-chloro}](1,5\text{-bis}(4\text{-imidazolyl})\text{-3-thiapentane})\text{copper(II)}$ Bis(perchlorate); *Inorg. Chem.*, 29 (1990) 3487-3492
- 436.W.G. Haanstra, W.A.J.W. van der Donk, W.L. Driessen, J. Reedijk, J.S. Wood and M.G.B. Drew; Unusual behaviour of the thioether function of the ligand 1,8-bis(3,5-dimethyl-1-pyrazolyl)-3,6-dithiooctane (bddo) towards transition-metal salts. X-ray structures of a green and a red modification of $[\text{Cu}(\text{bddo})\text{Cl}_2]$; *J. Chem. Soc. Dalton Trans.*, (1990) 3123-3128
- 437.E.L.M. Lempers, M.J. Bloemink, J. Brouwer, Y. Kidani and J. Reedijk; The new antitumor compound, *cis*- $[\text{Pt}(\text{NH}_3)_2(4\text{-methylpyridine})\text{Cl}]\text{Cl}$, does not form $\text{N}7, \text{N}7\text{-d}(\text{GpG})$ chelates with DNA. An unexpected preference for platinum binding at the 5'G in $\text{d}(\text{GpG})$; *J. Inorg. Biochem.*, 40 (1990) 23-35
- 438.D. Reefman, J.P. Cornelissen, J.G. Haasnoot, R.A.G. de Graaff and J. Reedijk; Single-crystal structure and electrical conductivity of 1,2,3-trimethylimidazolium bis(4,5-dimercapto-1,2,3-dithiole-2-thionato)nickelate(III); *Inorg. Chem.*, 29 (1990) 3933-3935
- 439.A.C. van Steenberg, E. Bouwman, R.A.G. de Graaff, W.L. Driessen, J. Reedijk and P. Zanello; Copper co-ordination compounds of a chelating imidazole-thioether ligand. The molecular structures of [1,3-bis(5-methyl-4-imidazolyl)-2-thiopropane]-bis(nitrato)copper(II) and bis[1,3-bis(5-methyl-4-imidazolyl)-2-thiopropane]-copper(II) bis(tetrafluoroborate)-ethanol(1/2); *J. Chem. Soc. Dalton Trans.*, (1990) 3175-3182
- 440.P.D. Verweij, W.L. Driessen, J. Reedijk, B. Rowatt and D.C. Sherrington; Selective and rapid uptake of copper(II) by a novel chelating resin containing imidazole groups; *Reactive Polymers*, 13 (1990) 83-92
- 441.R. Hage, J.G. Haasnoot, H.A. Nieuwenhuis, J. Reedijk, D.J.A. de Ridder and J.G. Vos; Synthesis, X-ray structure, and spectroscopic and electrochemical properties of novel heteronuclear ruthenium-osmium complexes with an asymmetric triazolone bridge; *J. Am. Chem. Soc.*, 112 (1990) 9245-9251
- 442.E. Bouwman, W.L. Driessen, J. Reedijk, C. Smykalla, J.M.M. Smits, P.T. Beurskens, F. Laschi and P. Zanello; A unique bromo- and thioether-bridged tetranuclear mixed-valence copper(I)-copper(II) compound with the N,S-donor ligand 4-((ethylthio)methyl)-5-methylimidazole; *Inorg. Chem.*, 29 (1990) 4881-4886
- 443.W.G. Haanstra, W.A.J.W. van der Donk, W.L. Driessen, J. Reedijk, M.G.B. Drew and J.S. Wood; Coordination behaviour of the ligand 1,9-bis(3,5-dimethyl-1-pyrazolyl)-3,7-dithianone (bddn) towards first-row transition metals. X-ray structure of $[\text{Cu}(\text{bddn})\text{H}_2\text{O}](\text{BF}_4)_2$; *Inorg. Chim. Acta*, 176 (1990) 299-305
- 444.M.J. Bloemink, E.L.M. Lempers and J. Reedijk; Kinetic preference of 5'GMP over 3'GMP in reactions with platinum amine compounds as studied by competition reactions; *Inorg. Chim. Acta*, 176 (1990) 317-320
- 445.A.L.E. Stoffels, W.G. Haanstra, W.L. Driessen and J. Reedijk; A unique tetranuclear copper(I) cluster with bridging thioethers and bridging bromides. The X-ray structure of $[\text{tetra-}\mu\text{-bromo-bis}(1,5\text{-bis}(3\text{'-}5\text{'-dimethyl-1-pyrazolyl})\text{-3-thiapentane-N,N,}\mu\text{S-dicopper(I))}]$; *Angew. Chem. Int. Ed.*, 29 (1990) 1419-1420
- 446.R. Hage, R.A.G. de Graaff, J.G. Haasnoot, K. Kieler and J. Reedijk; Structure of *trans*-dibromobis(5,7-dimethyl-8H-[1,2,4]triazolo[1,5-*a*]pyrimidine)-palladium(II) methanol solvate; *Acta Cryst.*, C46 (1990) 2349-2351

- 447.C. Faulmann, P.J. van Koningsbruggen, R.A.G. de Graaff, J.G. Haasnoot and J. Reedijk; Structure of *trans*-bis[4-amino-3,5-bis(pyridin-2-yl)-1,2,4-triazole-*N1,N'*]diaquamanganese(II) dibromide; *Acta Cryst.*, **C46** (1990) 2357-2360
- 448.W. Vreugdenhil, J.H. van Diemen, R.A.G. de Graaff, J.G. Haasnoot, J. Reedijk, A.M. van der Kraan, O. Kahn and J. Zarembowitch; High-spin \square low-spin transition in [Fe(NCS)₂(4,4'-bis-1,2,4-triazole)₂](H₂O). X-ray crystal structure and magnetic, Mössbauer and EPR properties; *Polyhedron*, **9** (1990), 2971-2979
- 1991:
- 449.H.A. Nieuwenhuis, J.G. Haasnoot, R. Hage, J. Reedijk, T.L. Snoeck, D.J. Stufkens and J.G. Vos; pH control of the photophysical properties of ruthenium complexes containing 3-(pyrazin-2-yl)-1,2,4-triazole ligands; *Inorg. Chem.*, **30** (1991) 48-54
- 450.A.E.M. Boelrijk, P.J. Boogaard, E.L.M. Lempers and J. Reedijk; Regeneration experiments of the platinated enzyme fumarase, using sodium diethyldithiocarbamate, thiourea, and sodium thiosulfate; *J. Inorg. Biochem.*, **41** (1991) 17-24
- 451.E.L.M. Lempers, M.J. Bloemink and J. Reedijk; Reaction products of [Pt(ethylenediamine)(dimethyl sulfoxide)Cl]Cl and [Pt(ethylenediamine)Cl₂] with d(GpG) and 5'GMP. Unambiguous evidence for stable 1:1 intermediate N7 adducts with coordinated dimethyl sulfoxide; *Inorg. Chem.*, **30** (1991) 201-206
- 452.F.C.J.M. van Veggel, M. Bos, S. Harkema, H. van de Bovenkamp, W. Verboom, J. Reedijk and D.N. Reinhoudt; Macrocyclic trinucleating ligands for the cocomplexation of two "soft" (Cu²⁺, Ni²⁺, or Zn²⁺) metal centres and one "hard" (Ba²⁺ or Cs⁺) metal center; *J. Org. Chem.*, **56** (1991) 225-235
- 453.F. Barigelletti, L. De Cola, V. Balzani, R. Hage, J.G. Haasnoot, J. Reedijk and J.G. Vos; Mononuclear and dinuclear osmium(II) compounds containing 2,2'-bipyridine and 3,5-bis(pyridin-2-yl)-1,2,4-triazole: synthesis, electrochemistry, absorption spectra, and luminescence properties; *Inorg. Chem.*, **30** (1991) 641-645
- 454.B.D.J.R. Fennema, R.A.G. de Graaff, R. Hage, J.G. Haasnoot, J. Reedijk and J.G. Vos; Ruthenium(II) compounds containing a novel strong \square -accepting ligand, 5,5'-dimethyl-2,2'-bi-1,3,4-thiadiazole (dbtd). Crystal structure of [Ru(bipy)₂(dbtd)]PF₆·2Me₂CO (bipy = 2,2'-bipyridine); *J. Chem. Soc. Dalton Trans.*, (1991) 1043-1049
- 455.B.E. Buchanan, H. Hughes, J.H. van Diemen, R. Hage, J.G. Haasnoot, J. Reedijk and J.G. Vos; The first report of the isolation and characterisation of an intermediate formed upon photolysis of a ruthenium(II) diimine compound, in which one of the chelating ligands is bound in a monodentate fashion; *J. Chem. Soc. Chem. Commun.*, (1991) 300-301
- 456.M. Alink, H. Nakahara, T. Hirano, K. Inagaki, M. Nakanishi, Y. Kidani and J. Reedijk; Reaction of symmetrically and asymmetrically substituted derivatives of cisplatin with r(ApG). Influence of the nonleaving groups on structures and kinetics; *Inorg. Chem.*, **30** (1991) 1236-1241
- 457.M.H.B. Bol, E.J. Dirks, J.G. Haasnoot and J. Reedijk. ; Coordination compounds of 5-methyl[1,2,4]-triazolo[1,5-a]pyrimidin-7-ol and transition metal(II) halides. Synthesis, spectral and magnetic properties. *Inorg. Chim. Acta*, **180** (1991) 33-40.
- 458.L. De Cola, F. Barigelletti, V. Balzani, R. Hage, J.G. Haasnoot, J. Reedijk and J.G. Vos; Electronic energy transfer in bimetallic Ru-Os complexes containing the 3,5-bis(pyridin-2-yl)-1,2,4-triazolate bridging ligand; *Chem. Phys. Lett.*, **178** (1991) 491-496
- 459.F.S. Keij, J.G. Haasnoot, A.J. Oosterling, J. Reedijk, C.J. O'Connor, J.H. Zhang and A.L. Spek; A pyrazole ligand yielding both chloro-bridged dinuclear and tetranuclear copper(II) compounds. The crystal and molecular structure of bis[μ -chloro-chloro(3,4-dimethyl-5-phenylpyrazole)(4,5-dimethyl-3-phenylpyrazole)copper(II)] and of (μ -oxo)hexakis(μ -chloro)tetrakis(3,4-dimethyl-5-phenylpyrazole)-tetracopper(II); *Inorg. Chim. Acta*, **181** (1991) 185-193
- 460.J.H. van Diemen, J.G. Haasnoot, R. Hage, E. Müller and J. Reedijk; Synthesis, X-ray structure, electrochemical and electronic properties of [3-(pyridin-2-yl)-4-methyl-1,2,4-triazole-bis(2-(2-phenylato)pyridine)-iridium(III)] hexafluorophosphate; *Inorg. Chim. Acta*, **181** (1991) 245-251
- 461.G.A. van Albada, R.A.G. de Graaff, J.G. Haasnoot, J. Schild and J. Reedijk; Structure of aquadibromobis(1,2,4-triazolo[1,5-*a*]pyrimidine-*N3*)copper(II), a one-dimensional alternating copper(II)...oxygen array; *Acta Cryst.*, **C47** (1991) 946-949
- 462.M.I. Djuran, E.L.M. Lempers and J. Reedijk; Reactivity of chloro- and aqua(diethylenetriamine)platinum(II) ions with glutathione, S-methylglutathione and guanosine 5'-monophosphate in relation to the antitumor activity and toxicity of platinum complexes; *Inorg. Chem.*, **30** (1991) 2648-2652
- 463.P.D. Verweij, S. Sital, E. Bouwman, W.L. Driessen, J. Reedijk and J.S. Wood; Transition metal compounds of a chelating imidazole-thioether-amine ligand. Crystal and molecular structures of (4-(5-methyl-4-imidazolyl)-1-amino-3-thiabutane)di(chloro)copper(II), bis(4-(5-methyl-4-imidazolyl)-1-amino-3-thiabutane)copper(II) dichloride dihydrate, and bis(4-(5-methyl-4-imidazolyl)-1-amino-3-thiabutane)cobalt(III) tris(tetrafluoroborate); *Inorg. Chim. Acta*, **182** (1991) 187-195
- 464.K. Inagaki, H. Nakahara, M. Alink and J. Reedijk; Effects of asymmetry and bulky substituents in amine ligands of *cis*-di(amine)dichloroplatinum complexes on the structure of adducts formed with adjacent guanines in nucleic acids ; *J. Chem. Soc. Dalton Trans.*, (1991) 1337-1341
- 465.J.P. Cornelissen, J.G. Haasnoot, R. le Loux and J. Reedijk; Conducting Ni(dmit)₂-compounds with a new class of closed-shell cations. Conductivity and crystal structures of [smdt][Ni(dmit)₂] and [dmp][Ni(dmit)₂]; *Synth. Metals*, **41-43** (1991) 2315-2318
- 466.J.P. Cornelissen, D. Reefman, J.G. Haasnoot, A.L. Spek and J. Reedijk; Synthesis and structure of (Me₄N)(Ni(dmse)₂)₂, the first conductor based on the Ni(C₃S₄Se)₂ system"; *Recl. Trav. Chim. Pays-Bas*, **110** (1991) 345-346
- 467.S. Trofimenko, F.B. Hulsbergen and J. Reedijk; Spectroscopic and magnetic properties of square-planar bis[(cyclooctane-1,5-diy)]bis(pyrazol-1-yl)borato]-cobalt(II); *Inorg. Chim. Acta*, **183** (1991) 203-206
- 468.C.J. van Garderen, M.J. Bloemink, E. Richardson and J. Reedijk; Formation and structure of the reaction products of PtCl₂(en) with d(pGpG) and d(GpG); preference for d(pGpG) chelation after phosphate dehydration; *J. Inorg. Biochem.*, **42** (1991) 199-205
- 469.G.A. van Albada, R.A.G. de Graaff, R. Hage, J. Reedijk, E. Buchholz and W. Kläui; Spectroscopic characterization, electrochemistry and single-crystal structure of bis[chlorobis(dimethylphosphito-*P*)(hexamethylbenzene) ruthenium(II)- κ -(*O,O,C*)]copper(II) dichloromethane (1:2), an unusual linear, heterotrinnuclear complex; *Polyhedron*, **10** (1991) 1091-1096
- 470.J.P. Cornelissen, E.J. Creyghton, R.A.G. de Graaff, J.G. Haasnoot and J. Reedijk; Crystal structure and electrical conductivity of N-methylquinolinium bis(1,3-dithiole-2-thione-4,5-dithiolato)-nickelate(III); *Inorg. Chim. Acta*, **185** (1991) 97-102
- 471.J.M. de Wolf, R. Hage, J.G. Haasnoot, J. Reedijk and J.G. Vos; Synthesis and characterisation of trinuclear Ru, Os and Ru/Os mixed-metal complexes with a novel bridging pyridyltriazole ligand; *New J. Chem.*, **15** (1991) 501-507

- 472.P.M. van Vliet, S.M.S. Toekimin, J.G. Haasnoot and J. Reedijk; The binding of *cis*-Ru(bpy)₂Cl₂ to Guanine systems; *J. Inorg. Biochem.* **43** (1991) 448
- 473.W.G. Haanstra, W.L. Driessen, J. Reedijk, R. Fröhlich and B. Krebs; Coordination compounds of the ligand 1,6-bis(3,5-dimethyl-1-pyrazolyl)-2,5-dithiahexane (bddh) with divalent nickel, cobalt and zinc salts. X-ray crystal structure of Co(bddh)(NCS)₂; *Inorg. Chim. Acta*, **185** (1991) 175-180
- 474.N. Boogaard and J. Reedijk; Conformational Differences between GXG chelates of *cis*- and *trans*-platinum; *J. Inorg. Biochem.* **43** (1991) 428
- 475.J. Reedijk; Mechanism of action of platinum anti-tumour compounds: the relevance of hydrogen bonding; *J. Inorg. Biochem.* **43** (1991) 80
- 476.R. Hage, J.G. Haasnoot, J. Reedijk, R. Wang and J.G. Vos; Mononuclear and dinuclear ruthenium complexes with triazole-containing ligands: fine-tuning of the spectroscopic properties; *Inorg. Chem.*, **30** (1991) 3263-3269
- 477.P.D. Verweij, T. Dugué, W.L. Driessen, J. Reedijk, B. Rowatt and D.C. Sherrington; Metal uptake by N,N'-bis(2-benzimidazolylmethyl)amine immobilized on poly(glycidyl methacrylate-co-ethylene glycol dimethacrylate); *React. Polymers*, **14** (1991) 213-227
- 478.W.G. Haanstra, W.L. Driessen, R.A.G. de Graaff, J. Reedijk, Y.F. Wang and C.H. Stam; Copper coordination compounds of the ligand 1,6-bis(3,5-dimethyl-1-pyrazolyl)-2,5-dithiahexane (bddh). X-ray structures of [Cu(bddh)(BF₄)₂], [Cu(bddh)Cl](CuCl₄) and [Cu(bddh)(3,5-dimethylpyrazole)](BF₄)₂; *Inorg. Chim. Acta*, **186** (1991) 215-224
- 479.N. de Vries and J. Reedijk; Nickel template synthesis of pentadentate and macrocyclic nitrogen-sulfur ligands: Single-crystal X-ray structure of (1,10-diaza-4,7,13,16-tetrathia-5,6:14,15-dibenzocyclooctadecane)nickel(II) bis(tetraphenylborate)⊖ acetonitrile(1/3); *Inorg. Chem.* **30** (1991) 3700-3703
- 480.J.H. van Diemen, J.G. Haasnoot, R. Hage, J. Reedijk, J.G. Vos and R. Wang; Synthesis and characterization of orthometalated rhodium(III) complexes containing substituted triazoles; *Inorg. Chem.*, **30** (1991) 4038-4043
- 481.A.F. Struik, C.T.M. Zuiderwijk, J.H. van Boom, L.I. Elding and J. Reedijk; Guanine-O6 Methylation Reduces the Reactivity of d(GpG) towards Platinum Complexes; *J. Inorg. Biochem.*, **44** (1991) 249-260
- 482.E. Asato, W.L. Driessen, R.A.G. de Graaff, F.B. Hulsbergen and J. Reedijk; Synthesis, structure, and spectroscopic properties of bismuth citrate compounds. I. Crystal structure of K₅_x(NH₄)₈[Bi₂(cit)₂(Hcit)](H₂O)_y (x = 0.25, y = 13) and (NH₄)₈[Bi₂(cit)₂(Hcit)₂(H₂O)₄](H₂O)₂; *Inorg. Chem.*, **30** (1991) 4210-4218
- 483.D. Reefman, J.P. Cornelissen, R.A.G. de Graaff, J.G. Haasnoot and J. Reedijk; Crystal structure and electrical and magnetic properties of tris(N,N',N'',N'-tetramethyl-*p*-phenylenediamine) bis(4,5-dimercapto-1,3-dithiole-2-thionato)nickelate; *Inorg. Chem.*, **30** (1991) 4928-4931
- 484.E. Bouwman, W.L. Driessen, G.J.A.A. Koolhaas, A.C. van Steenberg, J. Reedijk, M. Dartmann and B. Krebs; Coordination compounds with the N₂S donor ligand 1,3-bis(5'-methyl-4'-imidazolyl)-2-thiopropane (sbi). The X-ray structure of [ZnCl₂(sbi)]; *Inorg. Chim. Acta*, **189** (1991) 253-257
- 485.E.L.M. Lempers and J. Reedijk; Interactions of platinum amine compounds with sulfur-containing biomolecules and DNA fragments; *Advances in Inorganic Chemistry*, **37** (1991) 175-217
- 486.W.G. Haanstra, W.L. Driessen, R.A.G. de Graaff, G.C. Sebregts, J. Suriano, J. Reedijk, U. Turpeinen, R. Hämäläinen and J.S. Wood; Transition metal complexes of two related pyrazole containing ligands: 3,6-dimethyl-1,8-(3,5-dimethyl-1-pyrazolyl)-3,6-diazaoctane (ddad) and 1,4-bis(2-ethyl-(3,5-dimethyl-1-pyrazolyl))-piperazine (bedp). Synthesis, spectroscopy and X-ray structures; *Inorg. Chim. Acta*, **189** (1991) 243-251
- 487.W. Chen, G. Challa and J. Reedijk; Preparation of telechelics by oxidative coupling copolymerization of 2,6-dimethylphenol with tetramethyl bisphenol-A catalysed by copper(II) complexes of *N*-methylimidazole; *Polymer Communications*, **32** (1991) 518-523
- 488.R. Hage, J.G. Haasnoot, H.A. Nieuwenhuis, J. Reedijk, R. Wang and J.G. Vos; Effect of co-ordination mode on the physical properties of pyrazinyltriazole ligands bound to bis(2,2'-bipyridyl)-ruthenium(II); *J. Chem. Soc. Dalton Trans.*, (1991) 3271-3275
- 1992:**
- 489.J.P. Cornelissen, J.H. van Diemen, L.R. Groeneveld, J.G. Haasnoot, A.L. Spek and J. Reedijk, Synthesis and properties of isostructural transition-metal (copper, nickel, cobalt, and iron) compounds with 7,7',8,8'-tetracyanoquinodimethanide(1-) in an unusual monodentate coordination mode. Crystal structure of bis(3,5-bis(pyridin-2-yl)-4-amino-1,2,4-triazole)bis(7,7',8,8'-tetracyanoquinodimethanido)copper(II); *Inorg. Chem.*, **31** (1992) 198-202
- 490.W.G. Haanstra, W.L. Driessen, M. van Roon, A.L.E. Stoffels and J. Reedijk, Co-ordination compounds with the N₂S-donor ligand 1,5-bis(3,5-dimethylpyrazol-1-yl)-3-thiapentane; *J. Chem. Soc. Dalton Trans.*, (1992) 481-486
- 491.W.G. Haanstra, W.L. Driessen and J. Reedijk; Structure of [1-(3,5-dimethyl-1-pyrazolyl)-3-thiapentane-*N,S*]bis(nitrate-*O,O*)copper(II); *Acta Cryst.*, **C48** (1992) 14-16
- 492.G. Admiraal, M. Alink, C. Altona, F.J. Dijt, C.J. van Garderen, R.A.G. de Graaff and J. Reedijk; Conformation of Pt(dien)[d(ApGpA)-N7(2)] in the solid state and in aqueous solution, as determined with single-crystal X-ray diffraction and high-resolution NMR spectroscopy in solution; *J. Am. Chem. Soc.*, **114** (1992) 930-938
- 493.S. Ferrer, J.G. Haasnoot, R.A.G. de Graaff, J. Reedijk and J. Borrás; Synthesis, crystal structure and properties of two acetazolamide (5-acetamido-1,3,4-thiadiazole-2-sulfonamide) complexes: bis(5-acetamidato-1,3,4-thiadiazole-2-sulfonamide-*O*)bis(1,2-ethanediamine)copper(II) and bis(5-acetamidato-1,3,4-thiadiazole-2-sulfonamide-*N*)bis(1,3-propanediamine)copper(II); an unusually weak ambidentate anionic ligand; *Inorg. Chim. Acta*, **192** (1992) 129-138
- 494.J. Reedijk; New insights about the interaction of cisplatin with intracellular components; In: *Platinum and other metal coordination compounds in cancer chemotherapy*, Ed. S.B. Howell, Plenum Press, New York, 1992, p. 13-23
- 495.J.P. Cornelissen, E. Müller, P.H.S. Vaassens, J.G. Haasnoot, J. Reedijk and P. Cassoux; Two Ni(dmit)₂ compounds with a divalent closed-shell cation: synthesis, crystal structure, and electrical conductivity of [Me₃N(CH₂)₄NMe₃][Ni(dmit)₂]₂•2dmf and [Me₃N(CH₂)₄NMe₃][Ni(dmit)₂]₅•2CH₃CN; *Inorg. Chem.*, **31** (1992) 2241-2248
- 496.J.P. Cornelissen, R. Le Loux, J. Jansen, J.G. Haasnoot, J. Reedijk, E. Horn, A.L. Spek, B. Pomarède, J.-P. Legros and D. Reefman; Crystal structures, electrical conductivity and band-structure calculations of three new [cation][Ni(C₅S₃)₂] compounds; *J. Chem. Soc. Dalton Trans.*, (1992) 2911-2921
- 497.J.P. Cornelissen, J.G. Haasnoot, J. Reedijk, C. Faulmann, J.-P. Legros, P. Cassoux and P.J. Nigrey; Crystal structures and electrochemical properties of two phases of tetrabutylammonium bis(1,3-dithiole-2-thione-4,5-diselenolato)-nickelate(III); *Inorg. Chim. Acta*, **202** (1992) 131-139
- 498.S. Ferrer, J.G. Haasnoot, J. Reedijk, E. Müller, M. Biagini-Cingi, A.M. Manotti-Lanfredi, F. Ugozzoli and C. Foglia; First structurally characterized linkage isomers of two thiocyanatocopper(II) complexes; *J. Chem. Soc. Dalton Trans.*, (1992) 3029-3034

- 499.B.E. Buchanan, P. Degn, J.M. Pavon Velasco, H. Hughes, B.S. Creaven, C. Long, J.G. Vos, R.A. Howie, R. Hage, J.H. van Diemen, J.G. Haasnoot and J. Reedijk; Thermally and photochemically induced co-ordination changes in ruthenium(II) bis(2,2'-bipyridine) complexes containing pyridyltriazole ligands; *J. Chem. Soc. Dalton Trans.*, (1992) 1177-1183
- 500.J.H. van Diemen, R. Hage, J.G. Haasnoot, H.E.B. Lempers, J. Reedijk, J.G. Vos, L. De Cola, F. Barigelletti and V. Balzani; Electrochemical and photophysical properties of new triazole-bridged heterobimetallic ruthenium-rhodium and ruthenium-iridium complexes; *Inorg. Chem.*, 31 (1992) 3518-3522
- 501.P.J. van Koningsbruggen, J.G. Haasnoot, R.A.G. de Graaff, J. Reedijk and S. Slingerland; Structure of bis[μ -4-amino-3,5-bis(aminomethyl)-1,2,4-triazole-*N',N'',N'''*]bis[diacopper(II)] bis(sulfate) tetrahydrate; *Acta Cryst.*, C48 (1992) 1923-1926
- 502.P. Versloot, J.G. Haasnoot, J. Reedijk, M. van Duin, E.F.J. Duynstee and J. Put; Sulfur vulcanization of simple model olefins. Part I: Characterization of vulcanization products of 2,3-dimethyl-2-butene; *Rubber Chem. and Techn.*, 65 (1992) 343-349
- 503.R. Hage, J.G. Haasnoot, J. Reedijk and J.G. Vos; Strong π -donating bridging ligands control the metal-metal interaction and the photophysical and electrochemical properties of dinuclear ruthenium and osmium complexes with N-donor ligands; *Chemtracts - Inorg. Chem.*, 4 (1992) 75-93
- 504.F.J. Viersen, J. Renkema, G. Challa and J. Reedijk; Mechanistic studies of the oxidative coupling polymerization of phenols. VI. Comparison of reactivities of DMP, PPO-dimer, and -trimer in the copper-catalyzed oxidative coupling polymerization; *J. of Polymer Science*, 30 (1992) 901-911
- 505.G. Challa, W. Chen and J. Reedijk; Oxidative phenol coupling catalyzed by polymer-bound copper-imidazole complexes; *Makromol. Chem., Macromol. Symp.*, 59 (1992) 59-74
- 506.J. Ochocki, K. Kostka, B. Zurowska, J. Mrozinski, E. Galdecka, Z. Galdecki and J. Reedijk
Synthesis, spectroscopy and magnetism of transition-metal complexes with pyridylmethylphosphonate ligands; *J. Chem. Soc. Dalton Trans.*, (1992) 2955-2960
- 507.S. Trofimenko, J.C. Calabrese, J.K. Kochi, S. Wolowicz, F.B. Hulsbergen and J. Reedijk; Spectroscopic analysis, coordination geometry, and X-ray structures of nickel(II) compounds with sterically demanding tris(pyrazolyl)borate ligands and azide or (thio)cyanate anions. Crystal and molecular structures of bis[(μ -thiocyanato-*N,S*)(hydrotris(3-isopropyl-4-bromopyrazol-1-yl)borato)nickel(II)]-3-heptane and (thiocyanato-*N*)(hydrotris(3-*tert*-butyl-5-methylpyrazol-1-yl)borato)nickel(II); *Inorg. Chem.*, 31 (1992) 3943-3950
- 508.E. Asato, K. Katsura, M. Mikuriya, T. Fujii and J. Reedijk
Isolation of a unique hexanuclear $[\text{Bi}_6\text{O}_4\text{OH}(\text{cit})_3(\text{H}_2\text{O})_3]^{3-}$ cluster from the bismuth-containing ulcer healing agent "Colloidal Bismuth Subcitrate (CBS)"; *Chem. Letters*, (1992) 1967-1970
- 509.W.G. Haanstra, M.F. Cabral, J. de O. Cabral, W.L. Driessen and J. Reedijk
Unusually high redox potentials of two copper(II) compounds of 1,8-bis(3,5-dimethyl-1-pyrazolyl)-3,6-dithiooctane; *Inorg. Chem.*, 31 (1992) 3150-3151
- 510.W.G. Haanstra, W.L. Driessen, J. Reedijk and J.S. Wood; Structure of *catena*-Poly[[tetrakis- μ -(acetato-*O,O'*)-dicopper(II)]- μ -{1,8-bis-(3,5-dimethyl-1-pyrazolyl)-3,6-dithiooctane-*N''',N''*}]]; *Acta Cryst.*, C48 (1992) 1405-1407
- 511.W.L. Driessen and J. Reedijk; Solid Solvates: The use of weak ligands in coordination chemistry; *Inorg. Synth.* 29 (1992), 111-118
- 512.W.L. Driessen, W.G. Haanstra and J. Reedijk; Structure of dinuclear copper(II) compound of *N,N,N',N'*-tetrakis[2-(3,5-dimethyl-1-pyrazolyl)ethyl]-1,2-ethylenediamine (tped), $[\text{Cu}_2(\text{tped})(\text{H}_2\text{O})_2(\text{NO}_3)_2](\text{NO}_3)_2 \cdot 2\text{CH}_3\text{OH}$; *Acta Cryst.*, C48 (1992) 1585-1587
- 513.J.C. Wilson, P.D. Verweij, W.L. Driessen and J. Reedijk; Bis[μ -chloro-dichlorobis(2,6-bis(4-amino-2-thiobutyl)-4-methylphenolato-*(N,N',S,S',S'-k-O)*)-dicopper(II)- κ -Cl]; a dimer of dinuclear copper(II) complexes containing a novel pentadentate ligand; *Inorg. Chim. Acta*, 192 (1992) 219-225
- 514.P.M. van Berkel, P.D. Verweij, W.L. Driessen, J. Reedijk and D.C. Sherrington; Metal uptake by didentate and tridentate pyrazole-containing ligands immobilized onto poly(glycidyl methacrylate-co-ethylene glycol dimethacrylate); *Eur. Polym. J.*, 7 (1992) 747-754
- 515.M.F. Cabral, J. de O. Cabral, E. Bouwman, W.L. Driessen, J. Reedijk, U. Turpeinen and R. Hämmäläinen; Cyclic voltammetric studies of copper(II) complexes with some bis(imidazole)bis(thioether) ligands. The X-ray crystal structure of (1,6-bis-(5(4-imidazolyl)-2,5-dithiahexane)dichlorocopper(II)); *Inorg. Chim. Acta*, 196 (1992) 137-144
- 516.P.D. Verweij, M.J. Haanepen, J.J. de Ridder, W.L. Driessen and J. Reedijk; Synthesis, characterization and metal-uptake behaviour of pyrazole ligands immobilized on silica; *Recl. Trav. Chim. Pays-Bas*, 111 (1992) 371-378
- 517.P.D. Verweij, J.S.N. van der Geest, W.L. Driessen, J. Reedijk and D.C. Sherrington; Metal uptake by a novel benzimidazole ligand immobilized onto poly(glycidyl methacrylate-co-ethylene glycol dimethacrylate); *Reactive Polymers*, 18 (1992) 191-201
- 518.J. Reedijk; The relevance of hydrogen bonding in the mechanism of action of platinum antitumor compounds; *Inorg. Chim. Acta*, 198-200 (1992) 873-881
- 519.M.J. Bloemink, J. Reedijk, N. Farrell, Y. Qu and A.I. Stetsenko; The dinuclear complex $[\{\text{trans-PtCl}(\text{NH}_3)_2\}_2\{\mu\text{-H}_2\text{N}(\text{CH}_2)_6\text{NH}_2\}]\text{Cl}_2$ forms a unique macrochelate intrastrand crosslink with d(GpG); *J. Chem. Soc., Chem. Commun.*, (1992) 1002-1003
- 520.M.J. Bloemink, R.J. Heetebrj, K. Inagaki, Y. Kidani and J. Reedijk; Reactions of unsymmetrically substituted derivatives of cisplatin with short oligodeoxynucleotides containing a -GpG- sequence: H-bonding interactions in pGpG moieties cross-linked by an asymmetric platinum complex enhancing the formation of one geometrical isomer; *Inorg. Chem.*, 31 (1992) 4656-4661
- 521.V. Brabec, J. Reedijk and M. Leng; Sequence-dependent distortions induced in DNA by monofunctional platinum(II) binding; *Biochemistry*, 31 (1992) 12397-12402
- 1993:
522.P. Versloot, M. van Duin, J.G. Haasnoot, J. Reedijk and A.L. Spek; The isolation and X-ray structure determination of an active intermediate in the accelerated sulfur vulcanization of alkenes; *J. Chem. Soc., Chem. Commun.*, (1993) 183-184
- 523.P. Versloot, P. Dargan, J.G. Haasnoot, J. Reedijk, M. van Duin, J. Put and K. Goubitz; Reactivity of zinc dialkylthiocarbamates towards halogen-substituted olefins; *Recl. Trav. Chim. Pays-Bas*, 112 (1993) 273-277
- 524.P.J. van Koningsbruggen, J.G. Haasnoot, R.A.G. de Graaff and J. Reedijk; The first dinuclear μ -hexafluorosilicato copper(II) compound. Synthesis and crystal structure of (μ -hexafluorosilicato- μF : μF)-bis[aqua(*N*³-salicyloyl)pyridine-2-carbox-amidrazonato- $\square^3 N',N'',O$)-copper(II)] dihydrate; *J. Chem. Soc., Dalton Trans.*, (1993) 483-484
- 525.P.J. van Koningsbruggen, J.W. van Hal, E. Müller, R.A.G. de Graaff, J.G. Haasnoot and J. Reedijk; A novel type of twisted antiparallel double-chain structure with stacking between the two strands. Structure, synthesis and magnetic properties of $[[[\text{Cu}_3\text{L}_2(\text{dien})(\text{H}_2\text{O})_2] \cdot 3\text{H}_2\text{O}] \square] [\text{L} = 1H\text{-}1,2,4\text{-triazole-}3,5\text{-dicarboxylate}(3\text{-}), \text{dien} = 3\text{-aza-pentane-}1,5\text{-diamine}]$; *J. Chem. Soc., Dalton Trans.*, (1993) 1371-1375

- 526.P.J. van Koningsbruggen, E. Müller, J.G. Haasnoot and J. Reedijk; A novel tetranuclear copper(II) cluster containing twisted hydrazide bridges. X-ray crystal structure and magnetic properties of tetrakis[*N,N'*-imidopicolinylloxamylhydrazine]copper(II) tetranitrate octahydrate; *Inorg. Chim. Acta*, **208** (1993) 37-42
- 527.C. Faulmann, J.-P. Legros, P. Cassoux, J.C. Cornelissen, J.G. Haasnoot, J. Reedijk; Synthesis and characterization of the first palladium non-integer oxidations state complex of the dsit ligand; *Synthetic Metals*, **55-57** (1993) 2063-2068
- 528.D. Miernik, T. Lis, J. Palus and J. Reedijk; Synthesis, spectroscopy and magnetic properties of *cis*-(9,10-dihydro-9-oxo-10-acridineacetato-κ-O)copper(II). An unusual carboxylate-bridged chain with very weak magnetic exchange; *Inorg. Chim. Acta*, **205** (1993) 231-237
- 529.F.B. Hulsbergen and J. Reedijk; Coordination compounds of tripeptides and pentapeptides containing L-histidyl residues. Studies towards structural models for the active site of copper proteins; *Recl. Trav. Chim. Pays-Bas*, **112** (1993) 278-286
- 530.R.S. Glass, L.K. Steffen, D.D. Swanson, G.S. Wilson, R. de Gelder, R.A.G. de Graaff and J. Reedijk; Bis(trithiacyclononane)metal(II) compounds and Jahn-Teller distortions from octahedral geometry, electrochemistry, spectroscopy, and crystal structures of the copper bis(tetrafluoroborate) bis(acetonitrile) complex at 177 K and the cadmium bis(tetrafluoroborate) and copper bis(tetrafluoroborate) bis(nitromethane) complexes at 300 K; *Inorg. Chim. Acta*, **207** (1993) 241-252
- 531.M.F. Cabral, J. de O. Cabral, W.G. Haanstra, W.L. Driessen and J. Reedijk; Cyclic voltammetric behaviour of some copper complexes with a bis(pyrazole)bis(thioether) ligand; *Mol. Electrochem. of Inorg., Bioinorg. and Organomet. Compounds*, (1993) 171-176
- 532.W.L. Driessen, S. Gorter, W.G. Haanstra, L.J.J. Laarhoven, J. Reedijk, K. Goubitz and F.R. Seljée; Coordination properties of the didentate N,O ligand 1-(2-hydroxyethyl)-3,5-dimethylpyrazole (HL). Crystal structure of [Cu(HL)₂(NO₃)₂] and [Cu(L)Br]₂; *Recl. Trav. Chim. Pays-Bas*, **112** (1993) 309-313
- 533.N. Boogaard, C. Altona and J. Reedijk; Conformational differences between the adducts of *cis*-DDP and *trans*-DDP with the trinucleotide d(GpTpG). A ¹H and ³¹P NMR investigation; *J. Inorg. Biochem.*, **49** (1993) 129-147
- 534.M. Garner, M. Green, N. Boogaard and J. Reedijk; The aquated form of cisplatin selectively attacks at the G[3] site in d(GTG); *J. Chem. Soc., Chem. Commun.*, (1993) 290-291
535. J. Reedijk; *Bioinorganic Catalysis*; M. Dekker. Inc.; New York; 1993
- 536.P.J. van Koningsbruggen, J.W. van Hal, R.A.G. de Graaff, J.G. Haasnoot and J. Reedijk; Synthesis, crystal structure and magnetic properties of a linear trinuclear copper(II) compound with chloride and 4-amino-3,5-bis(hydroxymethyl)-1,2,4-triazole as bridging ligands; *J. Chem. Soc., Dalton Trans.*, (1993) 2163-2167
- 537.M. Biagini-Cingì, M. Lanfranchi, A.M. Manotti Lanfredi, S. Ferrer, J.G. Haasnoot and J. Reedijk; Synthesis and characterization of mononuclear complexes containing 3-acetyl-amino-1,2,4-triazole (aat). X-ray structure of [Co(aat)₂(H₂O)₂]Br₂; *Inorg. Chim. Acta*, **209** (1993) 219-223
- 538.J.P. Cornelissen, B. Pomarède, A.L. Spek, D. Reefman, J.G. Haasnoot and J. Reedijk; Two phases of [Me₄N][Ni(dmise)₂]₂: synthesis, crystal structures, electrical conductivities, and intermolecular orbital overlap calculations of □ and □-tetramethylammonium bis[bis(2-selenoxo-1,3-dithiole-4,5-dithiolato)-nickelate], the first conductors based on the M(C₃S₄Se)₂ system; *Inorg. Chem.*, **32** (1993) 3720-3726
- 539.J.E. Bol, W.L. Driessen, J. Reedijk; Chelating 3-pyrazolyl ligands as possible modelsystems for the blue copper site; *J. Inorg. Biochem.*, **51** (1993) 92
- 540.M.J. Bloemink, J.P. Dorenbos, B.K. Keppler, J. Reedijk, H. Zahn; Understanding the molecular mechanism of platinum antitumor complexes containing aminophosphonic ligands; *J. Inorg. Biochem.*, **51** (1993) 419
- 541.E. Bouwman and J. Reedijk; Nickel coordination compounds with thiolate ligands as model systems for hydrogenases; *J. Inorg. Biochem.*, **51** (1993) 464
- 542.E.M. Ryan, R. Wang, J.G. Vos, R. Hage and J.G. Haasnoot; The effect of the nature of the polypyridyl ligand on the physical properties of ruthenium polypyridyl compounds containing pyridyltriazoles; *Inorg. Chim. Acta*, **208** (1993) 49-58
- 543.G.J.A.A. Koolhaas, W.L. Driessen, A.L. Spek and J. Reedijk; Syntheses and coordination behavior of di- and poly-nucleating imidazole containing ligands; *J. Inorg. Biochem.*, **51** (1993) 466
- 544.P.M. Slangen, P.J. van Koningsbruggen, J.G. Haasnoot, J. Jansen, S. Gorter, J. Reedijk, H. Kooijman, W.J.J. Smeets and A.L. Spek; Synthesis, characterization, crystal structure and magnetic properties of di- and polynuclear bis(μ-3-pyridin-2-yl-1,2,4-triazolato)copper(II) compounds containing *N*-methylimidazole, pyrazole or 4,4'-bipyridine as co-ligands; *Inorg. Chim. Acta*, **212** (1993) 289-301
- 545.S.S.G.E. van Boom en J. Reedijk; Intramolecular competition of Pt(dien)₂²⁺ with thioether sulfur and purine nitrogen; *J. Inorg. Biochem.*, **51** (1993) 557
- 546.E. Asato, K. Katsura, M. Mikuriya, T. Fujii and J. Reedijk; Synthesis, structure, and spectroscopic characterization of bismuth citrate compounds and bismuth-containing ulcer healing agent colloidal bismuth subcitrate (CBS). 3. Crystal and solution structure of K(NH₄)[Bi₂(cit)₂(H₂O)₂](H₂O)_x (x = 2, 4); *Inorg. Chem.*, **32** (1993) 5322-5329
- 547.P.D. Verweij, S. Sital, M.J. Haanepen, W.L. Driessen and J. Reedijk; Metal binding affinity of imidazole ligands immobilized on poly(glycidyl methacrylate-co-ethylene dimethacrylate) and on silica; *Eur. Polym. J.*, **12** (1993) 1603-1614
- 548.E. Asato, C.M. Hol, F.B. Hulsbergen, N.T.M. Klooster and J. Reedijk; Synthesis, Structure and Spectroscopic Properties of Bismuth Citrate Compounds. Part II: Comparison between Crystal Structures of Solid Bismuth Citrates and Commercial CBS, using Thermal and Spectroscopic Methods; *Inorg. Chim. Acta*, **214** (1993) 159-167
- 549.P.J. Baesjou, G. Challa, W.L. Driessen and J. Reedijk; Copper imidazole complexes catalyze the oxidative polymerization of 2,6-dimethylphenol with dioxygen; In: *Proceedings of the 5th International Symposium on The activation of dioxygen and homogeneous catalytic oxidation*; D.H.R. Barton, A.E. Martell, D.T. Sawyer (Ed.); Plenum Press, New York; 1993, p. 444
- 550.S.S.G.E. van Boom and J. Reedijk; Unprecedented Migration of Pt(dien)₂²⁺ (dien = 1,5-diamino-3-azapentane) from Sulfur to Guanosine-N7 in S-guanosyl-L-homocysteine (SGH); *J. Chem. Soc., Chem. Commun.*, (1993) 1397-1398
- 551.S. Suvachittanon, H. Hohmann, R. van Eldik and J. Reedijk; Versatile complex-formation kinetics observed for the reactions of a model *cis*-bis(amine)palladium(II) complex with DNA nucleosides and nucleotides; *Inorg. Chem.*, **32** (1993) 4544-4548
- 552.R.M. Roat and J. Reedijk; Reaction of *mer*-trichloro(diethylenetriamine)platinum(IV) chloride (*mer*-[Pt(dien)Cl₃]Cl) with purine nucleosides and nucleotides result in formation of platinum(II) as well as platinum(IV) complexes; *J. Inorg. Biochem.*, **52** (1993) 263-274
- 553.E. Bouwman, P. Evans, H. Kooijman, J. Reedijk and A.L. Spek; Novel trinuclear and dinuclear nickel coordination compounds with a new pentadentate ligand. Crystal structures of [Ni₃(bdnol)(EtOH)Cl₅] and [Ni₂(bdnol)Cl₃]; *J. Chem. Soc., Chem. Commun.*, (1993) 1746-1748

- 554.M. Heijden, P.M. van Vliet, J.G. Haasnoot and J. Reedijk; Synthesis and characterization of *cis*-(2,2'-bipyridine)(2,2'-biquinoline)dichlororuthenium(II) and its co-ordination chemistry with imidazole derivatives; *J. Chem. Soc., Dalton Trans.*, (1993) 3675-3679
- 555.G.J.A.A. Koolhaas, W.L. Driessen, P.J. van Koningsbruggen, J. Reedijk and A.L. Spek; Synthesis, crystal structure and magnetic properties of $[\text{Cu}_6(\text{tidad})_2\text{Cl}_{10}(\text{H}_2\text{O})_4 \cdot 6\text{H}_2\text{O}]$ [Htidah = 1,1,6,6-tetrakis-(imidazol-2-yl)-2,5-diazahexane], a unique imidazolato- and chloro-bridged hexanuclear copper(II) compound; *J. Chem. Soc., Dalton Trans.*, (1993) 3803-3807
- 1994:
- 556.F.P.W. Agterberg, W.L. Driessen, J. Reedijk, H. Oevering and W. Buijs; Copper-catalyzed oxidative decarboxylation of aliphatic carboxylic acids; In: *New developments in selective oxidation II* (V. Cortés Corberán, S. Vic Bellón Eds.), Elsevier, 1994, p. 639-646
- 557.P. Versloot, M. van Duin, E.F.J. Duynstee, J.G. Haasnoot, J. Put and J. Reedijk; Sulfur vulcanization of simple model olefins, Part II: Characterization and reactivity of intermediate vulcanization products of 2,3-dimethyl-2-butene; *Rubber Chemistry and Technology*, **67**(1994) 252-262
- 558.P. Versloot, M. van Duin, E.F.J. Duynstee, J.G. Haasnoot, J. Put and J. Reedijk; Sulfur vulcanization of simple model olefins, Part III: vulcanization of 2,3-dimethyl-2-butene in the presence of different metal complexes; *Rubber Chemistry and Technology*, **67** (1994) 263-279
- 559.E. Bouwman and J. Reedijk; Neutral transition metal complexes with the tridentate ligand 4-(5-methyl-4-imidazolyl)-3-thiobutanoic acid. A series of isostructural octahedral compounds; *Inorg. Chim. Acta*, **215** (1994) 151-157
- 560.A.E.M. Boelrijk, J. Reedijk; Oxidation of methyl- and octyl- β -D-glycopyranoside, catalyzed by high-valent ruthenium species; RuO_4 , RuO_4^- and RuO_4^{2-} ; *J. of Mol. Catal.*, **89** (1994) 63-76
- 561.A. Gerli and J. Reedijk; Electrocatalytic activity of $[(\text{bpy})_2(\text{H}_2\text{O})\text{Ru}^{\text{III}}\text{ORu}^{\text{III}}(\text{H}_2\text{O})(\text{bpy})_2]^{++}$ towards sugar oxidation; *J. of Mol. Catal.*, **89** (1994) 101-112
- 562.A.L. Spek, A. Gerli and J. Reedijk; (2,2'-biquinoline- κ^2N,N')chloro-(2,2':6',2''-terpyridine- κ^3N,N',N'')-ruthenium(II) hexafluorophosphate, $[\text{RuCl}(\text{C}_{18}\text{H}_{12}\text{N}_2)(\text{C}_{15}\text{H}_{11}\text{N}_3)][\text{PF}_6]$; *Acta Cryst.* **C50**, (1994) 394-397
- 563.W.L. Driessen, R.A.G. de Graaff, F.J. Parlevliet, J. Reedijk and R.M. de Vos; Transition metal compounds of the tridentate pyrazole substituted amine ligands bis(2-(3,5-dimethyl-1-pyrazolyl)ethyl)ethylamine (ddae). X-ray structures of $[\text{Co}(\text{ddae})(\text{NO}_3)_2]$, $[\text{Cu}(\text{ddae})(\text{NO}_3)(\text{H}_2\text{O})](\text{NO}_3)$ and $[\text{Cu}(\text{ddae})(\text{Cl})_2] \cdot \text{C}_2\text{H}_5\text{OH}$; *Inorg. Chim. Acta*, **216** (1994) 43-49
- 564.P.M. van Vliet, J.G. Haasnoot and J. Reedijk; Binding of 9-methylhypoxanthine and 9-ethylguanine to $[\text{cis-Ru}(2,2'\text{-bipyridine})_2]^{2+}$. NMR and X-ray structure of *cis*-chlorobis(2,2'-bipyridine)(9-ethylguanine $\square \square N'$)ruthenium(II) chloride; *Inorg. Chem.*, **33** (1994) 1934-1939
- 565.J. Reedijk; Metal coordination by natural biomacromolecules; *Makromol. Chem. Macromol. Symp.*, **80** (1994) 95-109
- 566.M.J. Bloemink, J.P. Dorenbos, R.J. Heetebrij, B.K. Keppler, J. Reedijk and H. Zahn; New antitumor platinum compounds linked to amino phosphonic acids which lose the phosphonate and tertiary amine ligand upon binding to nucleic acids; *Inorg. Chem.*, **33** (1994) 1127-1132
- 567.K.C. Tran, J.P. Battioni, J.L. Zimmerman, C. Bois, G.J.A.A. Koolhaas, P. Leduc, E. Mulliez, H. Bouchchita, J. Reedijk and J.C. Chottard; Copper coordination compounds of polyimidazole-thioether ligands. X-ray structures and characterization of $[\text{bis}[4\text{-(methylthio)ethyl}]\text{imidazol-2-yl}]\text{methane}$ -bis(tetrafluoroborato)copper(II), dichloro{(imidazol-2-yl)[4-(methylthio)ethyl]imidazol-2-yl]methane}copper(II), and $\{[4\text{-(imidazol-2-ylmethyl)imidazol-2-yl}][4\text{-(methylthio)ethyl}]\text{imidazol-2-yl}]\text{methane}\}$ -bis(perchlorato)copper(II); *Inorg. Chem.*, **33** (1994) 2808-2814
- 568.P.M. Slangen, P.J. van Koningsbruggen, K. Goubitz, J.G. Haasnoot and J. Reedijk; Isotropic magnetic exchange interaction through double μ 1,2,4-triazolato-*N*1,*N*2 bridges: X-ray crystal structure, magnetic properties, and EPR study of bis(μ -3-pyridin-2-yl-1,2,4-triazolato-*N'*,*N*1,*N*2)(sulfato-*O*)aquacopper(II)diaquacopper(II) trihydrate; *Inorg. Chem.*, **33** (1994) 1121-1126
- 569.H.E.B. Lempers, J.G. Haasnoot, J. Reedijk, R. Hage, F.M. Weldon, J.G. Vos; Electrochemical, photophysical and photochemical properties of a hexanuclear ruthenium(II) bis(2,2'-bipyridyl) complex containing a tris(pyrazyltriazole)benzene ligand; *Inorg. Chim. Acta*, **225** (1994) 67-74
- 570.D. Jungk, N. Schmidt, J. Hahn, P. Versloot, J.G. Haasnoot and J. Reedijk; Bis(2-3-dimethylbutenyl)sulfanes, the products of sulfane addition to 2,3-dimethyl-1,3-butadiene and of the reaction of sulfur with 2,3-dimethyl-2-butene; *Tetrahedron*, **50** (1994) 11187-11196
- 571.U. Bierbach and J. Reedijk; An unusual route to potential platinum antitumor compounds: synthesis, reactivity and spectroscopic properties of the Pt^{IV} complex *fac*- $[\text{PtCl}_3(\text{NH}_3)_2\text{L}]\text{Cl}$; *Angew. Chem. Int. Ed. Engl.*, **33** (1994) 1632-1634
- 572.A.E.M. Boelrijk, J. Reedijk; Oxidation of octyl- β -D-glucopyranoside, catalyzed by $[\text{Ru}(\text{azpy})_2(\text{H}_2\text{O})(\text{py})]^{2+}$ or $[\text{Ru}(\text{azpy})_2(\text{H}_2\text{O})_2]^{2+}$ (azpy = 2-(phenyl)azopyridine), produces octyl- β -D-glucuronic acid; *Recl. Trav. Chim. Pays-Bas*, **113** (1994) 411-412
- 573.P.M. van Berkel, W.L. Driessen, R. Hämäläinen, J. Reedijk and U. Turpeinen; Coordination compounds of the chelating tridentate pyrazole-containing ligand bis[2-(3,5-dimethyl-1-pyrazolyl)ethyl]amine (ddaH). Crystal and molecular structures of $[\text{Cu}(\text{ddaH})\text{Cl}]_2(\text{CuCl}_4)$, $[\text{Co}(\text{ddaH})\text{Cl}]_2(\text{CoCl}_4)$, and $[\text{Co}(\text{ddaH})\text{Cl}(\text{BF}_4)]$; *Inorg. Chem.*, **33** (1994) 5920-5926
- 574.N. Veldman, A.L. Spek, M.J. Bloemink, J.P. Dorenbos, R.J. Heetebrij and J. Reedijk; N^1, N^1 -dimethyl-3-oxopiperazinium(1+)trichloro(dimethyl sulfoxide-*S*)-platinate(1-), $(\text{C}_6\text{H}_{13}\text{N}_2\text{O})[\text{PtCl}_3(\text{C}_2\text{H}_6\text{OS})]$; *Acta Cryst.*, **C50** (1994) 1572-1574
- 575.M. Biagini-Cingi, A.M. Manotti-Lanfredi, F. Ugozzoli, J.G. Haasnoot and J. Reedijk; Synthesis vibrational spectra and crystal structure of $[\text{Mn}(\text{NCS})_2(4,4'\text{-bis-1,2,4-triazole})(\text{H}_2\text{O})_2]$, a polymeric manganese(II) chain; *Gazzetta Chimica Italiana*, **124** (1994) 509-513
- 576.G.A. van Albada, J.G. Haasnoot, J. Reedijk, M. Biagini-Cingi, A.M. Manotti-Lanfredi and F. Ugozzoli; A new copper(II) alternating-chain structure with carboxylato and carboxylic acid bridges; The structure and spectroscopic properties of catena-poly[bis(μ -[pentane-1,5-bis(carboxylic acid)-monoato-*O*- \square ,*O*- κ]-bis(benzimidazole)copper]- μ -(pentane-1,5-bis(carboxylato)-*O*- \square ,*O*- κ)]; *Polyhedron*, **14** (1995) 17-18
- 577.P.M. van Berkel, W.L. Driessen, G.J.A.A. Koolhaas, J. Reedijk and D.C. Sherrington; A novel highly copper(II)-selective chelating hydrophilic ion exchanger based on imidazole modified poly(glycidyl methacrylate); *J. Chem. Soc. Chem. Commun.*, (1995) 147-148
- 578.Y.S.J. Veldhuizen, N. Veldman, A.L. Spek, C. Faulmann, J.G. Haasnoot and J. Reedijk; Synthesis and crystal structure of [guanidinium][Ni(dmit)₂] and [1,1-dimethylguanidinium][Ni(dmit)₂] (dmit = 2-thioxo-1,3-dithiole-4,5-dithiolate). Intermolecular orbital integral overlap calculations and electrical conductivities; *Inorg. Chem.*, **34**

- (1995) 140-147
- 579.G.J.A.A. Koolhaas, W.L. Driessen, J. Reedijk, H. Kooijman and A.L. Spek; Novel asymmetric tripodal imidazole-containing ligands forming dinuclear copper compounds through ligand sharing; *J. Chem. Soc. Chem. Commun.*, (1995) 517-518
- 580.A. Gerli, J. Reedijk, M.T. Lakin and A.L. Spek; Redox Properties and Electrocatalytic Activity of the Oxo/Aqua System $[\text{Ru}(\text{terpy})(\text{bpz})(\text{O})]^{2+}/[\text{Ru}(\text{terpy})(\text{bpz})(\text{H}_2\text{O})]^{2+}$. X-ray Crystal Structure of $[\text{Ru}(\text{terpy})(\text{bpz})\text{Cl}]\text{PF}_6\cdot\text{MeCN}$ (terpy = 2,2',2''-Terpyridine; bpz = 2,2'-Bipyrazine); *Inorg. Chem.*, **34** (1995) 1836-1843
- 581.F.J. Viersen, J.C. Wilson, G. Challa and J. Reedijk; One-step Multi-electron Transfer Mechanism of Polynuclear Copper Complexes for Molecular Conversions; *Polymers for Advanced Technologies*, **6** (1995) 144-154
- 582.E. Asato, K. Katsura, M. Mikuriya, U. Turpeinen, I. Mutikainen and J. Reedijk; Synthesis, Structure, and Spectroscopic Properties of Bismuth Citrate Compounds and the Bismuth-Containing Ulcer-Healing Agent Colloidal Bismuth Subcitrate (CBS). 4. Crystal Structure and Solution Behavior of a Unique Dodecanuclear Cluster $(\text{NH}_4)_{12}[\text{Bi}_{12}\text{O}_8(\text{cit})_8](\text{H}_2\text{O})_{10}$; *Inorg. Chem.*, **34** (1995) 2447-2454
- 583.W.M. Albers, G.W. Canters and J. Reedijk; Preparation of Extended Di(4-pyridyl)thiophene Oligomers; *Tetrah. Letters*, **51** (1995) 3895-3904
- 584.Y.S.J. Veldhuizen, J.G. Haasnoot, W.J.A. Maaskant and J. Reedijk; Synthesis of a series of $\text{Ni}(\text{dmit})_2$ compounds with (methylated) guanidinium cations. Comparison of structures and properties; *Synth. Metals*, **70** (1995) 1049-1050
- 585.P.M. van Vliet, S.M.S. Toekimin, J.G. Haasnoot, J. Reedijk, O. Novakova, O. Vrana and V. Brabec; *mer*- $[\text{Ru}(\text{terpy})\text{Cl}_3]$ (terpy = 2,2':6:2''-terpyridine) shows biological activity, forms interstrand cross-links in DNA and binds two guanine derivatives in a *trans* configuration; *Inorg. Chim. Acta*, **231** (1995) 57-64
- 586.J.E. Bol, W.L. Driessen and J. Reedijk; Synthesis and crystal structure of a dinuclear copper(II) complex with a novel tetrapyrazolyl macrocycle; *J. Chem. Soc. Chem. Commun.*, (1995) 1365-1366
- 587.G. Mendoza-Diaz, G.J.A.A. Koolhaas, W.L. Driessen and J. Reedijk; Bis(2-imidazolyl)aminomethane tris(hydrochloride); *Acta Cryst.*, **51** (1995) 918-920
- 588.D. Yang, S.S.G.E. van Boom, J. Reedijk, J.H. van Boom, N. Farrell and A.H.-J. Wang; A novel DNA structure induced by the anticancer bisplatinum compound crosslinked to a GpC site in DNA; *Nat. Struct. Biol.*, **2** (1995) 577-586
- 589.W.L. Driessen, F. Paap and J. Reedijk; Metal ion induced disintegration of a pyrazole-containing ligand and formation of an unprecedented pyrazolato-bridged di-zinc anion. The X-ray structure of the mixed ligand compound bis[(1,6-bis(3,5-dimethylpyrazol-1-yl)-2,5-dimethyl-2,5-diazahexane)-(chloro)zinc(II)][bis(μ -3,5-dimethylpyrazolato)tetrachlorodizinc(II)], $[\text{Zn}(\text{C}_{16}\text{H}_{28}\text{N}_6)\text{Cl}]_2[\text{Zn}_2(\text{C}_5\text{H}_7\text{N}_2)_2\text{Cl}_4]$; *Recl. Trav. Chim. Pays-Bas*, **114** (1995) 317-320
- 590.Y.S.J. Veldhuizen, N. Veldman, A.L. Spek, J.G. Haasnoot and J. Reedijk; Synthesis and crystal structure of $[\text{Bu}_4\text{N}][\text{Ni}(\text{mdt})_2]$, a novel nickel dithiolenic complex ($\text{H}_2\text{mdt} = 2H$ -1,3-dithiole-4,5-dithiol); *Recl. Trav. Chim. Pays-Bas*, **114** (1995) 337-338
- 591.R.K. Henderson, E. Bouwman, J. Reedijk; Modelling the active site of nickel hydrogenases; *J. Inorg. Biochem.*, **59** (1995) 640
- 592.P.J. van Koningsbruggen, J.G. Haasnoot, R.A.G. de Graaff and J. Reedijk; Synthesis, spectroscopic and magnetic properties of X-ray crystal structure of two dinuclear copper(II) compounds with the ligand N^3 -salicyloylpyridine-2-carboxamidrazonato; *Inorg. Chim. Acta*, **234** (1995) 87-94
- 593.E. Bouwman, V.E. Kaasjager, J. Reedijk; Structural and functional model systems for nickel containing hydrogenases; *J. Inorg. Biochem.*, **59** (1995) 641
- 594.G.A. van Albada, M.T. Lakin, N. Veldman, A.L. Spek and J. Reedijk; Synthesis, characterization, spectroscopy and magnetism of dinuclear azido- and alkoxy-bridged copper(II) complexes of bis(2-benzimidazolyl)alkanes. X-ray structures of $[\text{Cu}_2(\text{tbz})_2(\text{CH}_3\text{O})_2](\text{ClO}_4)_2(\text{CH}_3\text{OH})_2$, $[\text{Cu}_2(\text{tbz})_2(\text{NO}_3)(\text{CH}_3\text{O})_2](\text{NO}_3)(\text{CH}_3\text{OH})_2$, $[\text{Cu}(\text{tbz})(\text{N}_3)_2](\text{CH}_3\text{OH})_2$ (tbz = bis(2-benzimidazolyl)propane); *Inorg. Chem.*, **34** (1995) 4910-4917
- 595.J.E. Bol, W.L. Driessen, J. Reedijk; Macrocyclic dinuclear copper complexes as model systems for the type-3 active site; *J. Inorg. Biochem.*, **59** (1995) 708
- 596.S. Myllyviita, R. Sillanpää, J.J.A. Kolnaar and J. Reedijk; Synthetic, structural and magnetic studies of asymmetric trinuclear copper(II) compounds $[\text{Cu}_2\text{X}_2(\text{Hae})_2][\text{Cu}_2(\text{ae})_2\text{X}_2]$ (X = Cl or Br; Hae = 2-aminoethanol); *J. Chem. Soc. Dalton Trans.*, (1995) 2209-2213
- 597.G.J.A.A. Koolhaas, W.L. Driessen, J. Reedijk; X-ray structures and reactivity of dinuclear copper coordination compounds with poly-imidazole ligands; *J. Inorg. Biochem.*, **59** (1995) 709
- 598.W.L. Driessen, R.M. de Vos, A. Etz, J. Reedijk; Coordination compounds of a didentate pyrazole-containing ligand. Spectroscopic analyses and crystal structures of bis-[chloro- μ -chloro- μ -{*N,N'*-(2-(3,5-dimethyl-1-pyrazolyl)ethyl)-ethylamine}nickel(II)] and [trichloro- μ -{*N'*-(2-(3,5-dimethyl-1-pyrazolyl)ethyl)hydro-ethylammonium}copper(II)]; *Inorg. Chim. Acta*, **235** (1995) 127-133
- 599.D. Yang, S.S.G.E. van Boom, J. Reedijk, J.H. van Boom and A.H.-J. Wang; Structure and isomerization of an intrastrand cisplatin-cross-linked octamer DNA duplex by NMR analysis; *Biochem.*, **34** (1995) 12912-12920
- 600.A. Abufarag, J. Reedijk; Ruthenium complexes tethered to organic DNA intercalators; *J. Inorg. Biochem.*, **59** (1995) 137
- 601.M.J. Bloemink, H. Engelking, N. Gütschow, S. Karentzopoulos, B. Krebs, J. Reedijk; The X-ray structure, antitumor activity and DNA-binding properties of the new Pt bis-(imidazol-2-yl) compounds lacking a NH moiety; *J. Inorg. Biochem.*, **59** (1995) 222
- 602.A.R. Ruppert, B. Krebs, J. Reedijk; Platinum arylthiolate complexes in different oxidation states; *J. Inorg. Biochem.*, **59** (1995) 336.
- 603.G. Mendoza-Diaz, W.L. Driessen and J. Reedijk; Synthesis of two imidazole ligands: 2,8-dimethyl-5,11-dipropyl-4,5,6,10,11,12-hexahydro-imidazo[4,5-c]-imidazo[4,5-h]-1,6-diazecine (pronheim) and 2,8-dimethyl-4,5,6,10,11,12-hexahydro-imidazo[4,5-c]-imidazo[4,5-h]-1,6-diazecine 5,11-diacetic acid (glymeim) and the copper(II) dimeric complex with glymeim; *J. Inorg. Biochem.*, **59** (1995) 684
- 604.J. Ochocki, J. Graczyk, J. Reedijk; Synthesis and antitumor activity of novel Pt(II) diethylpyridylmethylphosphonate complexes against sarcoma-180; *J. Inorg. Biochem.*, **59** (1995) 240
- 605.E.G. Talman, W. Brüning and J. Reedijk; Reactions of asymmetric *cis*- and *trans*-platinum(II/IV) compounds with DNA fragments; *J. Inorg. Biochem.*, **59** (1995) 138
- 606.O. Nováková, J. Kaspárková, O. Vrána, P.M. van Vliet, J. Reedijk and V. Brabec; Correlation between cytotoxicity and DNA binding of polypyridyl ruthenium complexes; *Biochem.*, **34** (1995) 12369-12378
- 607.P.J. van Koningsbruggen, D. Gatteschi, R.A.G. de Graaff, J.G. Haasnoot, J. Reedijk and C. Zanchini; Isotropic and anisotropic magnetic exchange interactions through μ - N^1, N^2 1,2,4-triazole and μ sulfato bridges: X-ray crystal structure, magnetic properties and single-crystal EPR study of (μ -4-amino-3,5-bis(pyridin-2-yl)-1,2,4-triazole- $\text{N}^1, \text{N}^2, \text{N}''$)(μ -sulfato- $\text{O}')$ [(sulfato- O)aquacopper(II)triaquacopper(II) hydrate]; *Inorg. Chem.*, **34** (1995) 5175-5182

- 608.E. Müller, G. Bernardinelli and J. Reedijk; 4,4'-bis(2-picolinimino)-2,2'-bibenzimidazoles: a new class of dinucleating ligands which allow for a tuning of the metal-metal distance. Structures and properties of a dicopper(II) complex and of two oxygenation products of a dicopper(I) complex: a tentative coordination chemical modeling of hemocyanin; *Inorg. Chem.*, **34** (1995) 5979-5988
- 609.P.M.van Berkel, W.L. Driessen, J. Reedijk, D.C. Sherrington and A. Zitsmanis; Metal-ion binding affinity of azole-modified oxirane and thiirane resins; *Reactive & Functional Polymers*, **27** (1995) 15-28
- 610.H.J. Hoorn, P.de Joode, W.L. Driessen and J. Reedijk; Metal-binding affinity of a series of □-amino-alkylbenzimidazoles immobilized on silica; *Reactive & Functional Polymers*, **27** (1995) 223-235
- 611.E. Bouwman, P. Evans, R.A.G.de Graaff, H. Kooijman, R. Poinsot, P. Rabu, J. Reedijk and A.L. Spek; Synthesis and spectroscopy of coordination compounds of a versatile bridging ligand. Molecular structures of the dinuclear compounds [Co₂(bdnol)(NCS)₃], [Zn₂(bdnol)Cl(NCS)₂], and [Cu₂(bdnol)-(NO₃)₃] and of the polymeric copper(I) compound [Cu₂(Hbdnol)(NCS)₂]; *Inorg. Chem.*, **34** (1995) 6302-6311
- 612.A.E.M. Boelrijk, M.M. Velzen, T.X. Neenan, J. Reedijk, H. Kooijman and A.L. Spek; A novel dinuclear ruthenium-1,8-naphthyridine catalyst for the oxidation of alcohols and the epoxidation of alkenes; *J. Chem. Soc. Chem. Commun.*, (1995) 2465-2467
- 613.J. Reedijk; Polymer-metal complexes in living systems; In: *Macromolecule-Metal Complexes*; F. Ciardelli, E. Tsuchida and D. Wöhrle, (Eds.); Springer-Verlag, Berlin, Heidelberg, 131-151 (1995)
- 614.J. Reedijk; Metal Complexes as Drugs; Platinum anti-tumor compounds: their chemistry in relation to the mechanism of action; In: *Handbook of Metal-Ligand Interactions in Biological Fluids; Bioinorganic Chemistry*; G. Berthon, (Ed.); Marcel Dekker, Inc., New York, **2**, 967-989 (1995)
- 615.P. Versloot, J.G. Haasnoot, J. Reedijk, M. van Duin and J. Put; Sulfur Vulcanization of Simple Model Olefins. Part IV. Vulcanizations of 2,3-dimethyl-2-butene with TMTD and activated Zinc Dithiocarbamate/xanthate accelerators at different temperatures; *Rubber Chemistry and Technology*, **68** (1995) 563-572
- 616.P.J. van Koningsbruggen, J.G. Haasnoot, W. Vreugdenhil, J. Reedijk and O. Kahn; Magnetic and spectroscopic properties of a series of linear homo- and heterotrinary metal compounds with asymmetric 3,4-disubstituted 1,2,4-triazoles as ligands; *Inorg. Chim. Acta*, **239** (1995) 5-12
- 617.E.G. Talman, D.P. Myers and J. Reedijk; Conformational changes in d(TpG) and 5'GTP induced by monofunctional binding of [PtCl(NH₃)₃]Cl and [PtCl(dien)]Cl are small; *Inorg. Chim. Acta*, **240** (1995), 25-28.
- 618.P.M. van Berkel, D.J. Dijkstra, W.L. Driessen, J. Reedijk and D.C. Sherrington; Selective and rapid uptake of Cu(II) by bis(benzimidazole) modified oxirane and thiirane resins; *Reactive & Functional Polymers*, **28** (1995) 39-54.
- 1996:
- 619.J. Reedijk, Improved Understanding in Platinum Antitumor Chemistry, *Chem. Comm.* (1996) 801-806
- 620.M.J. Bloemink, H. Engelking, S. Karentzopoulos, B. Krebs and J. Reedijk; Synthesis, crystal structure, antitumor activity, and DNA-binding properties of the new active platinum compound (bis(*N*-methylimidazol-2-yl)carbino)dichloroplatinum(II), lacking a NH moiety, and of the inactive analog dichloro(*N*¹,*N*¹-dimethyl-2,2'-biimidazole)platinum(II); *Inorg. Chem.*, **35** (1996) 619-627
- 621.P.J. Kunkeler, P.J. van Koningsbruggen, J.P. Cornelissen, A.N. van der Horst, A.M. van der Kraan, A.L. Spek, J.G. Haasnoot and J. Reedijk; Novel hybrid spin systems of 7,7',8,8'-tetracyanoquinodimethane (TCNQ) radical anions and 4-amino-3,5-bis(pyridin-2-yl)-1,2,4-triazole (abpt). Crystal structure of [Fe(abpt)₂(TCNQ)₂] at 298 and 100 K. Mössbauer spectroscopy, magnetic properties, and infrared spectroscopy of the series [M^{II}(abpt)₂(TCNQ)₂] (M = Mn, Fe, Co, Ni, Cu, Zn); *J. Am. Chem. Soc.*, **118** (1996) 2190-2197
- 622.M.J. Bloemink and J. Reedijk; Cisplatin and derived anticancer drugs. Mechanism and current status of DNA binding; In: *Metal ions in biological systems*; H. Sigel and A. Sigel, (Eds.); Marcel Dekker, Inc., New York, **32**, 641-685 (1996)
- 623.H.J. Hoorn, P. de Joode, W.L. Driessen and J. Reedijk; Metal-binding affinity of a series of bis(2-pyridylalkyl)amines immobilized on silica; *Recl. Trav. Chim. Pays-Bas*, **115** (1996) 191-197
- 624.E. Müller, G. Bernardinelli and J. Reedijk; 2,2'-Bis(3-(2-pyridyl)-1-methyltriazolyl)biphenyl: a tetracoordinating wrapping ligand inducing similar skew coordination geometries at copper(I) and copper(II); *Inorg. Chem.*, **35** (1996) 1952-1957
- 625.Y. Veldhuizen, N. Veldman, M.T. Lakin, A.L. Spek, P.M. Paulus, C. Faulmann, J.G. Haasnoot, W.J.A. Maaskant and J. Reedijk; Synthesis and crystal structure of [1,1,2,2-tetramethylguanidium][Ni(dmit)₂]₂ and [hexamethylguanidium][Ni(dmit)₂]₂ (dmit=1,3-dithiole-2-thione-4,5-dithiolate). Intermolecular orbital overlap integral calculations and electrical conductivities; *Inorg. Chim. Acta*, **245** (1996) 27-34
- 626.G.J.A.A. Koolhaas, W.L. Driessen, J. Reedijk, J. van der Plas, R.A.G.de Graaff, D. Gatteschi, H. Kooijman and A.L. Spek; Synthesis, characterization, and single-crystal EPR studies of three dinuclear copper(I)-copper(II) cluster with an asymmetric tetranuclear copper(I)-copper(II) cluster with an asymmetric imidazole-containing tripodal ligand with copper(II)-copper(II) distances between 3.35 and 3.63 Å; *Inorg. Chem.*, **35** (1996) 1509-1517
- 627.P.E.M. Wijnands, J.S. Wood, J. Reedijk and W.J.A. Maaskant; Disordered CuN₆ Jahn-Teller centers in hexakis(1-methyltetrazole)copper(II)tetrafluoroborate: a temperature-dependent X-ray diffraction and EPR study; *Inorg. Chem.*, **33** (1996) 1214-1222
- 628.A.M.J. Jorna, A.E.M. Boelrijk, H.J. Hoorn and J. Reedijk; Heterogenization of a ruthenium catalyst on silica and its application in alcohol oxidation and stilbene epoxidation; *Reactive & Functional Polymers*, **29** (1996) 101-114
- 629.T.E. Keyes, J.G. Vos, J.A. Kolnaar, J.G. Haasnoot, J. Reedijk and R. Hage; Tuning of the photostability of bis(2,2'-biquinoline) ruthenium(II) complexes containing pyridyltriazole ligands by variation of pH; *Inorg. Chim. Acta*, **245** (1996) 237-242
- 630.T.X. Neenan, W.L. Driessen, J.G. Haasnoot and J. Reedijk; Transition metal compounds of 1,2-bis(2-pyridyl)ethyne. Synthesis, spectroscopic characterization and X-ray structures of dinuclear[Cu₂(1,2-bis(2-pyridyl)ethyne)₃(NO₃)₄] and polynuclear [Co(1,2-bis(2-pyridyl)ethyne)(NO₃)₂]_n; *Inorg. Chim. Acta*, **247** (1996) 43-49
- 631.M. Feng, L. van der Does, A. Bantjes, P.M. van Berkel and J. Reedijk; Structure of a Complex of Iron(III) with a crosslinked Copolymer of 1-(□-Acrylamidoethyl)-3-hydroxy-2-methyl-4(1H)-pyridinone and *N,N*-Dimethylacrylamide; *J. Appl. Pol. Sc.*, **60** (1996) 477-480
- 632.P.J. Baesjou, W.L. Driessen, G. Challa and J. Reedijk; A kinetic and spectroscopic study on the copper catalyzed oxidative coupling polymerization of 2,6-dimethylphenol. X-ray structure of the catalyst precursor tetrakis(*N*-methylimidazole)-bis(nitrato)copper(II); *Journ. Molecul. Catal. A*, **110** (1996) 195-210
- 633.M.W.G. de Bolster, R. Cammack, D.N. Coucouvanis, J. Reedijk and C. Veeger; Glossary of terms used in bioinorganic chemistry 1995; *JBIC*, **1** (1996) G1-G29
- 634.R.K. Henderson, E. Bouwman, J. Reedijk and A.K. Powell; [N,*N*'-Bis(2-thiobenzylidene)-1,2-dimethyl-4,5-phenylenediaminato]nickel(II), Ni(tsalldimp); *Acta Cryst.*, **C52** (1996) 2696-2698
- 635.N. Veldman, A.L. Spek, G. Tabbi, W.L. Driessen and J. Reedijk; A Dinuclear Nickel(II) Compound: μ-N,N,N',N'-Tetrakis[2-(3,5-dimethyl-1-pyrazolyl)ethyl]-1,2-ethylenediamine-

- bis[aqua(nitrato-O,O')nickel(II)] Dinitrate Dimethanol Solvate; *Acta Cryst.*, C52 (1996) 2698-2701
- 636.G. van Pouderoyen, T. den Blaauwen, J. Reedijk and G.W. Canters; Dimerization of a His17Gly Azurin Mutant by External Addition of 1, ω -Di-(imidazol-1-yl)alkanes; *Biochem.*, 35 (1996) 13205-13211
- 637.G.J.A.A. Koolhaas, P.M.van Berkel, S.C.van der Slot, G. Mendoza-Diaz, W.L. Driessen, J. Reedijk, N. Veldman and A.L. Spek; Copper(II) coordination compounds with bis(imidazol-2-yl)methylamine and bis(imidazol-2-yl)methylaminomethane in relation to bis(imidazol-2-yl)methylamine-modified poly(glycidyl methacrylate) polymers and other bis(imidazol-2-yl)-containing ligands; *Inorg. Chem.*, 35 (1996) 3525-3531
- 638.G. Speelmans, W.H.H.M. Sips, R.J.H. Grisel, R.W.H.M. Staffhorst, A.M.J. Fichtinger-Schepman, J. Reedijk and B. de Kruijff; The interaction of the anti-cancer drug cisplatin with phospholipids is specific for negatively charged phospholipids and takes place at low chloride ion concentration; *Biochim. Biophys. Acta*, 1283 (1996) 60-66
- 639.V.B.Ivanov, M.J.Bloemink, P.A.Cheltsov, E.I.Bystrova, T.N.Fedotova and J.Reedijk; Relationship between the structure of diamine platinum(II) complexes and their cytostatic activity as measured on plant roots; *Biometals*, 9 (1996) 249-257
- 640.G. Challa, J. Reedijk and P.W.N.M.van Leeuwen; Macromolecular Metal Complexes as Catalysts with Improved Stability; *Polym. for Adv. Techn.*, 7 (1996) 625-633
- 641.Y. Qu, M.J. Boemink, J. Reedijk, T.W. Hambley and N. Farrell, Dinuclear Platinum Complexes Form a Novel Intrastrand Adduct with d(GpG), an anti-syn Conformation of the macrochelate As Observed by NMR and Molecular Modeling, *J. Am. Chem. Soc.* 118 (1996), 9307-9313.
- 642.V.P. Hanot, T.D. Robert, J. Kolnaar, J.G. Haasnoot, J. Reedijk, H. Kooijman and A.L. Spek; Crystal structure, magnetic properties and spectroscopic studies of bis[1,3-bis(pyrazol-3-yl)triazenido]dicopper(II)trihydrate: a dinuclear complex with an asymmetric double pyrazolate bridge; *J. Chem. Soc. Dalton Trans.*, (1996) 4275-4281
- 643.A.E.M. Boelrijk, J.H.T. Dorst and J. Reedijk; Oxidation of different sugar residues catalyzed by [Ru(azpy)₂(H₂O)₂]²⁺; A comparative study; *Recl. Trav. Chim. Pays-Bas*, 115 (1996) 536-541
- 644.S.S.G.E. Van Boom, D. Yang, J. Reedijk, G.A. Van der Marel and A.H.J. Wang; Structural Effect of Intra-strand Cisplatin-crosslink on Palindromic DNA Sequences; *J. Biomol. Struct. Dynam.*, 13 (1996) 989-998
- 645.R. Prins, M. Biagini-Cingi, M. Drillon, R.A.G. de Graaff, J.G. Haasnoot, A.M. Manotti-Lanfredi, P. Rabu, J. Reedijk and F. Uguzzoli; Trinuclear copper(II) coordination compounds with the new ligand 1,9-bis(3-amino-4H-1,2,4-triazol-5-yl)-3,7-dithianonane; X-ray structures and magnetochemistry; *Inorg. Chim. Acta*, 248 (1996) 35-44
- 646.M.J. Bloemink, R.J. Heetebrij, J. Ireland, G.B. Deacon and J. Reedijk; DNA-binding properties of antitumor-active cis-bis(pyridine)platinum(II) organoamides; *JBIC*, 1 (1996) 278-283
- 647.H.F. Moed, Th.N. van Leeuwen and J. Reedijk; A critical analysis of the journal impact factors of *Angewandte Chemie* and the *Journal of The American Chemical Society* inaccuracies in published impact factors based on overall citations only; *Scientometrics*, 37 (1996) 105-116
- 648.G. Mendoza-Diaz, W. Driessen and J. Reedijk; 2,8-dimethyl-5,11-dipropyl-1,4,5,6,7,10,11,12-octahydroimidazo[4,5-h]imidazo[4,5-c][1,6]diazecine hexahydrate; *Acta Cryst.*, C52, (1996) 960-962
- 1997:
- 649.Y.S.J. Veldhuizen, J.G. Haasnoot and J. Reedijk; Synthesis and characterization of [Acridinium][Ni(dmit)₂]₃, a new metallic conductor; *Synth. Metals*, 86 (1997) 1827-1828
- 650.R. Hage, H.E.B. Lempers, J.G. Haasnoot, J. Reedijk, F.M. Weldon and J.G. Vos; Homo- and heteronuclear ruthenium and osmium complexes containing an asymmetric pyrazine-based bridging ligand; *Inorg. Chem.*, 36 (1997) 3139-3145
- 651.E. Bouwman, R.K. Henderson and J. Reedijk; Biomimetic nickel complexes with a variety of donor groups; *J. Inorg. Biochem.*, 67 (1997) 178
- 652.R.Y.N. Ho, Y.-H. Dong, S. Yan, J.E. Bol, W.L. Driessen, B. Maase, J. Reedijk and L.J. Que; Spectroscopic characterization and reactivity studies of a diiron- and dicopper-peroxo species; *J. Inorg. Biochem.*, 67 (1997) 321
- 653.J. Reedijk; Inaccurate impact factors; *Chem. and Indus.*, 8 (1997) 288
- 654.J.E. Bol, B. Maase, G. Gonesh, W.L. Driessen, K. Goubitz and J. Reedijk; Novel double tripodal pyrazolyl macrocycles. Synthesis and x-ray structure of hexa-azole ligands; *Heterocycles*, 45 (1997) 1477-1492
- 655.T.N.van Leeuwen, H.F. Moed and J. Reedijk; JACS still topping *Angewandte Chemie*: beware of erroneous impact factors; *Chemical Intelligencer*, (1997) 32-36
- 656.E. Szlyk, A. Wojtczak, M. Jaskólski, M. Gilski, J.G. Haasnoot and J. Reedijk; The crystal and molecular structures of dichlorobis(5,7-diphenyl-1,2,4-triazolo[1,5- \square]pyrimidine)zinc(II) (1) and dichlorobis(5,7-diphenyl-1,2,4-triazolo[1,5- \square]pyrimidine)cobalt(II) (2); *Inorg. Chim. Acta*, 260 (1997) 145-150
- 657.R.K. Henderson, E. Bouwman, A.L. Spek and J. Reedijk; A unique mononuclear nickel disulfonato complex obtained by oxidation of a mononuclear nickel dithiolate complex; *Inorg. Chem.*, 36 (1997) 4616-4617
- 658.F.P.W. Agterberg, H.A.J. Provó Kluit, W.L. Driessen, H. Oevering, W. Buijs, M.T. Lakin, A.L. Spek and J. Reedijk; Dinuclear paddle-wheel copper(II) carboxylates in the catalytic oxidation of carboxylic acids. Unusual polymeric chains found in the single-crystal X-ray structures of [tetrakis(μ -1-phenylcyclopropane-1-carboxylato-*O,O'*)bis(ethanol-*O*)dicopper(II)] and catena-poly[[bis(μ -diphenylacetato-*O,O'*)dicopper](μ ₃diphenylacetato-1-*O:2-O':1'-O'*)-(μ ₃diphenylacetato-1-*O:2-O':2'-O'*)]; *Inorg. Chem.*, 36 (1997) 4321-4328
- 659.P.M.van Berkel, W.L. Driessen, F.J. Parlevliet, J. Reedijk and D.C. Sherrington; Metal-uptake behaviour by a novel pyrazole-containing ligand immobilised on to poly(glycidyl methacrylate-co-trimethylolpropane trimethacrylate); *Eur. Polym. J.*, 33 (1997) 129-135
- 660.H.J. Hoorn, P.de Joode, W.L. Driessen and J. Reedijk; Metal-binding affinity of two benzimidazol-2-ylalkylthioethers immobilised on silica; *React. Funct. Pol.*, 32 (1997) 169-178
- 661.P.M.van Berkel, M. Punt, G.J.A.A. Koolhaas, W.L. Driessen, J. Reedijk and D.C. Sherrington; Highly copper(II)-selective chelating ion-exchange resins based on bis(imidazole)-modified glycidyl methacrylate copolymers; *React. Funct. Pol.*, 32 (1997) 139-151
- 662.E.G. Talman, W. Brüning, J. Reedijk, A.L. Spek and N. Veldman; Crystal and molecular structures of asymmetric *cis*- and *trans*-platinum(II/IV) compounds and their reactions with DNA fragments; *Inorg. Chem.*, 36 (1997) 845-861
- 663.J. Reedijk; Heavy metals and useful drugs; *Chimia*, 51 (1997) 21-23
- 664.P.J.van Koningsbruggen, J.G. Haasnoot, H. Kooijman, J. Reedijk and A.L. Spek; A mixed-valence tetranuclear copper cluster with localized valencies; *Inorg. Chem.*, 36 (1997) 2487-2489
- 665.P.M.van Berkel, S.C.van der Slot, W.L. Driessen, J. Reedijk and D.C. Sherrington; Influence of the polymer matrix on the metal-ion uptake characteristics of ligand-modified poly(glycidyl methacrylate-co-trimethylolpropane trimethacrylate) polymers; *Eur. Polym. J.*, 33 (1997) 303-310

- 666.G. Tabbi, W.L. Driessen, J. Reedijk, R.P. Bonomo, N. Veldman and A.L. Spek; High superoxide dismutase activity of a novel, intramolecularly imidazolato-bridged asymmetric dicopper(II) species. Design, synthesis, structure, and magnetism of copper(II) complexes with a mixed pyrazole-imidazole donor set; *Inorg. Chem.*, 36 (1997) 1168-1175
- 667.J.E. Bol, W.L. Driessen, R.Y.N. Ho, B. Maase, L.J. Que and J. Reedijk; Dioxygen binding at ambient temperature: formation of a novel peroxodicopper(II) complex with an azole macrocyclic ligand; *Angew. Chem. Int. Ed. Engl.*, 36 (1997) 998-1000
- 668.J.J.A. Kolnaar, G. van Dijk, H. Kooijman, A.L. Spek, V.G. Ksenofontov, P. Guetlich, J.G. Haasnoot and J. Reedijk; Synthesis, structure, magnetic behavior, and Mössbauer spectroscopy of two new iron(II) spin-transition compounds with the ligand 4-isopropyl-1,2,4-triazole. X-ray structure of $[\text{Fe}_2(4\text{-isopropyl-1,2,4-triazole})_6(\text{H}_2\text{O})_6(\text{tosylate})_6] \cdot 2\text{H}_2\text{O}$; *Inorg. Chem.*, 36 (1997) 2433-2440
- 669.G.A. van Albada, W.J.J. Smeets, A.L. Spek and J. Reedijk; Synthesis, spectroscopic properties and X-ray crystal structures of two dinuclear alkoxo-bridged copper(II) compounds with the ligand bis(1-methyl-2-benzimidazolyl) propane. A unique alkoxo-bridged Cu(II) dinuclear compound with an additional bidentate bridging triflate anion; *Inorg. Chim. Acta*, 260 (1997) 151-161
- 670.M.W.G. de Bolster, R. Cammack, D.N. Coucouvanis, J. Reedijk and C. Veeger; Glossary of terms used in bioinorganic chemistry (IUPAC recommendations 1997); *Pure & Appl. Chem.*, 69 (1997) 1251-1303
- 671.P. Versloot, J.G. Haasnoot, P.J. Nieuwenhuizen, J. Reedijk, M. van Duin and J. Put; Sulfur vulcanization of simple model olefins, part v*: double bond isomerization during accelerated sulfur vulcanization as studied by model olefins; *Rubb. Chem. Techn.*, 70 (1997) 106-119
- 672.G. Speelmans, R.W.H.M. Staffhorst, K. Versluis, J. Reedijk and B.de Kruijff; Cisplatin complexes with phosphatidylserine in membranes; *Biochem.*, 36 (1997) 10545-10550
- 673.H.J. Hoom, P.de Joode, D.J. Dijkstra, W.L. Driessen, H. Kooijman, N. Veldman, A.L. Spek and J. Reedijk; Metal-binding affinity of a series of bis-benzimidazoles immobilised on silica; *J. Mater. Chem.*, 7 (1997) 1747-1754
- 674.Y.S.J. Veldhuizen, W.J.J. Smeets, N. Veldman, A.L. Spek, C. Faulmann, P. Auban-Senzier, D. Jérôme, P.M. Paulus, J.G. Haasnoot and J. Reedijk; Synthesis and characterization of [acridinium][Ni(dmit)₂]₃ and [phenazinium][Ni(dmit)₂]₃ (dmit = 2-Thioxo-1,3-dithiole-4,5-dithiolate); *Inorg. Chem.*, 36 (1997) 4930-4937
- 675.R.M. Roat, M.J. Jerardi, C.B. Kopay, D.C. Heath, J.A. Clark, J.A. DeMars, J.M. Weaver, E. Bezemer and J. Reedijk; Platinum(II) complexes catalyze reactions between platinum(IV) complexes and 9-methylxanthine; *J. Chem. Soc. Dalton Trans.*, (1997) 3615-3621
- 676.P.J. Nieuwenhuizen, S. Timal, J.G. Haasnoot, A.L. Spek and J. Reedijk; Zinc(II)-catalyzed disproportionation in rubber: the mechanism of sulfur vulcanization revisited; *Chem. Europ. J.*, 3 (1997) 1846-1851
- 677.H. Kooijman, A.L. Spek, D. Rehorst, W.L. Driessen and J. Reedijk; Bis(2-aminomethylpyridine-*N,N'*)bis(nitrate-*O*)copper(II); *Acta Cryst.*, C53 (1997) 1596-1598
- 678.W.J.J. Smeets, A.L. Spek, R.K. Henderson, E. Bouwman and J. Reedijk; [*N,N'*-Bis(2-thiobenzylidene)-1,2-phenylenediamino]nickel(II); *Acta Cryst.*, C53 (1997) 1564-1566
- 679.J.M. Teuben, S.S.G.E. van Boom and J. Reedijk; Intramolecular migration of co-ordinated platinum from a sulfur to N⁷ in the nucleopeptide Met-d(TpG) (5'-*O*-methioninaate-*N*-ylcarbonylthymidine 2'-deoxyguanosine monophosphate; *J. Chem. Soc. Dalton Trans.*, (1997) 3979-3980
- 680.B.W. Chen, S.S.G.E. van Boom and J. Reedijk; ¹H NMR study of interaction of cis-[Pt(NH₃)₂(4-methylpyridine)Cl]NO₃ with S-methylglutathione, *Chem. J. Chinese U.*, 18, 840-845 (1997)
- 681.M.R. Malachowski, J. Carden, M.G. Davidson, W.L. Driessen and J. Reedijk; The preparation and catalytic properties of copper(II) complexes derived from a pyrazole containing ligand. X-ray crystal structure of [Cu(pzmp)(BF₄)(BF₄)]⁻; *Inorg. Chim. Acta*, 257 (1997) 59-67
- 682.A.E.M. Boelrijk, T.X. Neenan and J. Reedijk; Ruthenium complexes with naphthyridine ligands. Synthesis, characterization and catalytic activity in oxidation reactions; *J. Chem. Soc. Dalton Trans.*, (1997) 4561-4570
- 683.P.J. Baesjou, W.L. Driessen, G. Challa and J. Reedijk; Ab initio calculations on 2,6-dimethylphenol and 4-(2',6'-dimethylphenoxy)2-6-dimethylphenol. Evidence of an important role for the phenoxonium cation in the copper-catalyzed oxidative phenol coupling reaction; *J. Am. Chem. Soc.*, 119 (1997), 12590-12594
- 684.P.J. Nieuwenhuizen, J. Reedijk, M. van Duin and W.J. McGill; Thiuram- and dithiocarbamate-accelerated sulfur vulcanization from the chemist's point of view: Methods, Materials and Mechanisms reviewed; *Rubber Chem. Technol.*, 70, (1997) 368-429.
- 685.J. Reedijk; Mechanistic aspects of Pt antitumor chemistry. Structure-activity relationships and the relative importance of platinum binding to nucleic acids and proteins; In: Cytotoxic, mutagenic and carcinogenic potential of heavy metals related to human environment; N.D. Hadjiladis, (Ed.); Kluwer Academic Publishers., 419-433 (1997)
- 1998:
- 686.J.E. Bol, C. Buning, P. Comba, J. Reedijk and M. Ströhle; Molecular mechanics modeling of organic backbone of metal-free and coordinated ligands; *J. Computat. Chem.*, 19, (1998) 512-523.
- 687.T.X. Neenan, W.L. Driessen, R.A.G. de Graaff, J.L. van der Plas and J. Reedijk; Coordination compounds of the rigid rod ligand 1-(2-pyridyl)-2-(2-thienyl)ethyne (pythio). Single crystal X-ray structures of [Cu(pythio)₂(NO₃)₂] and [Zn(pythio)₂Cl₂]; *Inorg. Chim. Acta*, 267, (1998) 193-199.
- 688.J. Ochocki, B. Zurowska, J. Mroziński, H. Kooijman, A.L. Spek and J. Reedijk; Synthesis, Spectroscopy, and Magnetic Properties of Transition-Metal Complexes with the Diethyl 2-Quinolylmethylphosphonate (2-qmpe) Ligand - Crystal Structures of [Ni(2-qmpe)₂(H₂O)₂](ClO₄)₂ and [Mn(2-qmpe)₂(H₂O)₂](ClO₄)₂ Showing Unexpected O-Binding of the qmpe Ligands; *Eur. J. Inorg. Chem.*, (1998) 169-175.
- 689.G.A. van Albada, M. Mutikainen, U. Turpeinen and J. Reedijk; A unique copper-controlled template synthesis of tetradentate N₄-donor ligands and their propeller-type linear trinuclear Cu^{II} complexes; *Eur. J. Inorg. Chem.*, (1998) 547-549.
- 690.C.J. Campbell, W.L. Driessen, J. Reedijk, W. Smeets and A.L. Spek; Glycine coupled to a bis(imidazole): a tetradentate ligand rendering dinuclear copper(II) compounds through ligand sharing; *J. Chem. Soc. Dalton Trans.*, (1998) 2703-2706.
- 691.L.A. Kovbasyuk, O.Y. Vassilyeva, V.N. Kokozay, W. Linert, J. Reedijk, B.W. Skelton and A.G. Oliver; A thiocyanato-bridged layer structure composed of symmetrical, dithiocyanato(N,S)-bridged dimers of heterotrinnuclear alkoxo-bridged Cu₂Pb units; synthesis from zerovalent copper, structural, spectroscopic and magnetic studies; *J. Chem. Soc. Dalton Trans.*, (1998) 2735-2738.
- 692.Y.S.J. Veldhuizen, N. Veldman, A.L. Spek, P. Cassoux, R. Carlier, M.J.J. Mulder, J.G. Haasnoot and J. Reedijk; Synthesis, crystal structure and electrochemical properties of [NBu₄][Ni(mdt)₂]: a potential precursor for new materials (mdt = 1,3-dithiole-4,5-dithioate); *J. Chem. Soc. Dalton Trans.*, (1998) 2989-2993.
- 693.C. Zilverentant, J.G. Haasnoot and J. Reedijk; Synthesis, Crystal Structure and Magnetic Properties of the One-dimensional Chain Compound catena-poly[aquabis(4,4'-bis-1,2,4-triazole-N1)(thiocyanato-N)-manganese-μ-[4,4'-bis-1,2,4-triazole-N1,N1']thiocyanate]; *Inorg. Chim. Acta*, 282, (1998) 257-260.
- 694.P.J. Baesjou, W.L. Driessen, G. Challa and J. Reedijk; A kinetic study of the copper-catalysed oxidative coupling of 2,6-

- dimethylphenol. The role of copper, base and phenol concentrations; *J. Mol. Catal.*, 153, (1998) 273-283.
- 695.E. Bouwman, R.K. Henderson, A.K. Powell, J. Reedijk, W.J.J. Smeets, A.L. Spek, N. Veldman and S. Wocadlo; Anion dependent deprotection of a thioether group in Schiff base NS₂ ligands results in new mononuclear and dinuclear thiolato nickel complexes; *J. Chem. Soc. Dalton Trans.*, 20, (1998) 3495-3499.
- 696.S.Amani Komaei, G.A. van Albada, I. Mutikainen, U. Turpeinen and J. Reedijk; An Unprecedented, Copper-Mediated, In-Situ Multi-Step Ligand Formation. Synthesis, Structure, and Magnetism of Bis(μ -methoxy)bis[nitrate(2-methoxy-methylamino-3-methylpyridine)copper(II)]; *Eur. J. Inorg. Chem.*, (1998) 1577-1579.
- 697.E.G. Talman, Y. Kidani, L. Mohrmann and J. Reedijk; Can Pt(IV) - amine complexes act as 'prodrugs'?; *Inorg. Chim. Acta*, 283, (1998) 251-255.
- 698.G.A. van Albada, W.J.J. Smeets, A.L. Spek and J. Reedijk; The crystal structure and IR spectra of μ -(bipyrimidine-*N1, N1',N5,N5'*)-bis[azido-*N1*](methanol)(bipyrimidine-*N1, N1'*)copper(II)] bis(triflate) bis(methanol); *J. Chem. Cryst.*, 28, (1998) 427-432.
- 699.G. Tabbi, T. Nauser, W.H. Koppenol and J. Reedijk; A Pulse Radiolysis Study of an Imidazolato-Bridged Asymmetric Dicopper(II) Complex: A Structural and Functional Mimic of Superoxide Dismutase; *Eur. J. Inorg. Chem.*, (1998) 1939-1943.
- 700.P.J. van Koningsbruggen, K. Goubitz, J.G. Haasnoot and J. Reedijk; Synthesis, X-ray structure, spectroscopic and magnetic properties of [bis(4-amino-3,5-bis(pyridin-2-yl)-1,2,4-triazole-*N',N1*)-(aqua)copper(II)] bis(hydrogensulfate); *Inorg. Chim. Acta*, 268, (1998) 37-42.
- 701.F.P.W. Agterberg, H.A.J. Provó Kluit, W.L. Driessen, J. Reedijk, H. Oevering, W. Buijs, N. Veldman, M.T. Lakin and A.L. Spek; Three dinuclear copper(II) carboxylates with the paddle-wheel cage structure as intermediates in copper(II) catalyzed oxidations of carboxylic acids. X-ray crystal structures of [tetrakis(diphenyl acetato- κ -O,O')bis(acetonitrile-*N*)dicopper(II)] tetrakis(acetonitrile), [tetrakis(diphenylacetato- κ -O,O')bis(acetone-*O*)dicopper(II)] and [tetrakis(1-phenyl-1-carboxylato- κ -O,O'-cyclopentane)-bis(ethanol-*O*)dicopper(II)] bis(ethanol); *Inorg. Chim. Acta*, 267, (1998) 183-192.
- 702.P.J. Nieuwenhuizen, S. Timal, J.M. van Veen, J.G. Haasnoot and J. Reedijk; Homogeneous catalysis by zinc complexes during accelerated vulcanization; *Kautsch. Gumm Kunst.*, 51, (1998) 336-341.
- 703.A.H. Velders, L. Pazderski, U. Uguzzoli, M. Biagini-Cingi, A.M. Manotti-Lanfredi, J.G. Haasnoot and J. Reedijk; Synthesis, characterization and crystal structure of trans-aquatrchlorobis(5,7-dimethyl[1,2,4]triazolo[1,5-*a*]pyrimidine-*N*³)ruthenium(III) monohydrate; *Inorg. Chim. Acta*, 273, (1998) 259-265.
- 704.V.E. Kaasjager, R.K. Henderson, E. Bouwman, M. Lutz, A.L. Spek and J. Reedijk; A structural model for [Fe]-only hydrogenases; *Angew. Chem.*, 37, (1998) 1668-1670.
- 705.M. Hoogenraad, K. Ramkisoensing, H. Kooijman, A.L. Spek, E. Bouwman, J.G. Haasnoot and J. Reedijk; Synthesis and characterisation of the new complex tris[(2-oxazoliny)phenolato]manganese(III) and its use as a catalyst in oxidation reactions; *Inorg. Chim. Acta*, 279, (1998) 217-220.
- 706.H.F. Moed, T.N. Van Leeuwen and J. Reedijk; A New Classification System to Describe the Ageing of Scientific Journals and Their Impact Factors; *J. Doc.*, 54, (1998) 387-419.
- 707.P.J. Nieuwenhuizen, A.W. Ehlers, J.W. Hofstraat, S.R. Janse, M.W.F. Nielen, J. Reedijk and E. Baerends; The First Theoretical and Experimental Proofs of Polythiocarbamatezinc(II) Complexes, Catalysts for Sulfur Vulcanization; *Chem. Eur. J.*, 4, (1998) 1816-1821.
- 708.J. Reedijk; Sense and Nonsense of science citation analyses: comments on the monopoly position of ISI and citation inaccuracies. Risks of possible misuse and biased citation and impact data; *New J. Chem.* 22, (1998) 767-770.
- 709.G.A. van Albada, J.J.A. Kolnaar, W.J.J. Smeets, A.L. Spek and J. Reedijk; Synthesis, X-ray Crystal Structure and Magnetism of [NiCl₂ {(bis(2-benzimidazolyl)propane)}₂ • (C₂H₅OH)₂] -- A Second Example of a Ferromagnetically Coupled Five-Coordinated High-Spin Dichloro-Bridged Nickel(II) Dimer; *Eur. J. Inorg. Chem.*, (1998) 1337-1341.
- 710.C. Faulmann, Y.S.J. Veldhuizen, J.G. Haasnoot, J. Reedijk and P. Cassoux; A New Ni(dmit)₂ Salt with a Paramagnetic Cation: [Cu(bpy)₃][Ni(C₃S₅)₂]₂; *Acta Cryst. C*, 54, (1998) 1827-1830.
- 711.M. Bastürkmen, D. Kisakürek, W.L. Driessen, S. Gorter and J. Reedijk; Transition metal compounds of chlorophenols: synthesis, characterization and single-crystal X-ray structures of (N,N,N',N'-tetramethylethylenediamine)bis(2,4,6-trichlorophenolato)cobalt(II) and bis(N-methylimidazole)bis(2,6-dichlorophenolato)copper(II); *Inorg. Chim. Acta*, 271, (1998) 19-23.
- 712.P.J. Nieuwenhuizen, S. Timal, J.M. van Veen, J.G. Haasnoot and J. Reedijk; Homogeneous zinc(II) catalysis in accelerated vulcanization I. Reaction-stage modeling and cross-link formation; *Rubber Chem. Technol.*, 71, (1998) 750-765
- 1999:
- 713.G.A. van Albada, W.J.J. Smeets, A.L. Spek and J. Reedijk; Crystal Structure and Spectroscopic Properties of a Polymeric (μ -1,3-Azido) Copper(II) Compound, *catena*-[Cu(Bipyrimidine)(μ -1,3-N₃)(N₃)₂]; *J. Coord. Chem.*, 47 (1999) 69-75.
- 714.A.H. Velders, F. Uguzzoli, M. Biagini-Cingi, A.M. Manotti-Lanfredi, J.G. Haasnoot and J. Reedijk; A Unique Fourfold Intramolecular Hydrogen Bonding Stabilises the Structure of *trans*-Bis(2-amino-5,7-dimethyl[1,2,4]triazolo[1,5-*a*]pyrimidine-*N*³)-aquatrchlorotruthenium(III) Monohydrate; *Eur. J. Inorg. Chem.*, (1999) 213-215.
- 715.S. Amani Komaei, G.A. van Albada, J.G. Haasnoot, H. Kooijman, A.L. Spek and J. Reedijk; Synthesis, spectroscopic, magnetic properties and X-ray crystal structure of di- μ -hydroxo-bis(μ -perchlorato-*O,O'*)-bis-[bis(2-amino-4-methylpyrimidine)copper(II)]; bridging perchlorate results in significant deviation from the predicted magnetic exchange, *Inorg. Chim. Acta*, 286 (1999), 24-29.
- 716.P.J. Baesjou, W.L. Driessen, G. Challa and J. Reedijk; The course of the copper-catalyzed oxidative polymerization of 2,6-dimethylphenol. Analysis of oligomeric phenols during the coupling reaction, *Macromolecules*, 32, (1999) 270-276.
- 717.R.H. Bode, W.L. Driessen, F.B. Hulsbergen, J. Reedijk and A.L. Spek; A Dimeric Tetranuclear Copper(II) Compound Assembled through Pentacoordinating Carbonate Anions; *Eur. J. Inorg. Chem.*, (1999) 505-507.
- 718.P.J. Baesjou, W.L. Driessen, G. Challa and J. Reedijk; Kinetics and selectivity of the copper-catalysed oxidative coupling of 4-(2',6'-dimethylphenox)-2,6-dimethylphenol; *J. Mol. Cat.*, 140, (1999) 241-253.
- 719: J. Reedijk; Medicinal Applications of heavy-metal compounds, *Curr. Opin Chem.Biol.*, 3 (1999),236-240.
- 720.E. Bouwman, R.K. Henderson, A.L. Spek and J. Reedijk; Spontaneous Assembly of a Novel Tetranuclear Ni-Fe Complex Reshuffling of Ligands and Oxidation States; *Eur. J. Inorg. Chem.*, (1999) 217-219.
- 721.P.J. Nieuwenhuizen, A.W. Ehlers, J.G. Haasnoot, S.R. Janse, J. Reedijk and E.J. Baerends; The Mechanism of Zinc(II)-Dithiocarbamate-Accelerated Vulcanization Uncovered; Theoretical and Experimental Evidence; *J. Am. Chem. Soc.*, 121, (1999) 163-168.
- 722.J. Reedijk and E. Bouwman; *Bioinorganic Catalysis*; 2nd Ed. M. Dekker. Inc.; New York; 1999
- 723.E. Bouwman, R.K. Henderson, J. Reedijk, N. Veldman and A.L. Spek; Synthesis of the ligand N, N'-bis(2-tert-butylthiobenzenylidene)-diethylenetriamine; its reactivity with nickel(II) salts; *Inorg. Chim. Acta*, 287, (1999) 105-108.

- 724.J. Reedijk and J.M. Teuben; Platinum-Sulfur Interactions Involved in Antitumor Drugs, Rescue Agents and Biomolecules; In: B. Lippert (Ed), Cisplatin. Wiley-VCH, (1999) 339-362.
- 725.R.H. Bode, J.E. Bol, W.L. Driessen, F.B. Hulsbergen, J. Reedijk and A.L. Spek; Formation of Dinuclear Copper(II) Complexes from a Macrocyclic with Built-in Pyrazole Groups; *Inorg. Chem.*, 38, (1999) 1239-1243.
- 726.J.J.A. Kolnaar, M.I. de Heer, H. Kooijman, A.L. Spek, G. Schmitt, V. Ksenofontov, P. Gutlich, J.G. Haasnoot and J. Reedijk; Synthesis, Structure and Properties of a Mixed Mononuclear/Dinuclear Iron(II) Spin-Crossover Compound with the Ligand 4-(p-Tolyl)-1,2,4-triazole; *Eur. J. Inorg. Chem.*, 5, (1999) 881-886.
- 727.G.A. van Albada, S. Amani Komaei, H. Kooijman, A.L. Spek and J. Reedijk; Coordination compounds with 4-aminopyridine. An unusual in situ formation of a bridging formato compound. The structure of catena-poly[bis(4-amino-pyridine)(formato-O)copper(II)- μ -formato(O,O)]; *Inorg. Chim. Acta*, 287, (1999) 226-231.
- 728.G.A. van Albada, W.J.J. Smeets, N. Veldman, A.L. Spek and J. Reedijk; Fluctuations between square-planar and tetrahedral coordination geometry with bis(2-benzimidazolyl)alkane ligands. Synthesis, spectroscopic properties and X-ray crystal structure of four representative examples; *Inorg. Chim. Acta*, 290, (1999) 105-112.
- 729.S.S.G.E. van Boom, B.W. Chen, J.M. Teuben and J. Reedijk; Platinum-Thioether bonds can be reverted by Guanine-N7 bonds in Pt(dien)²⁺ model Adducts; *Inorg. Chem.*, 38, (1999) 1450-1455.
- 730.G.A. van Albada, W.J.J. Smeets, A.L. Spek and J. Reedijk; Synthesis, characterization, spectroscopy, magnetism and X-ray structures of red and green Cu(II) chloride adducts with bis(2-benzimidazolyl)propane; *Inorg. Chim. Acta*, 288, (1999) 220-225.
- 731.P.J. Nieuwenhuizen, M. van Duin, J.G. Haasnoot, J. Reedijk and W.J. McGill; The limiting value of ZDMC formation: New insight into the reaction of ZnO and TMTD; *J. Appl. Polym. Sci.*, 73, (1999) 1247-1257.
- 732.G. Tabbi, W.L. Driessen, J. Reedijk, N. Veldman and A.L. Spek; The nickel(II) complex of a new multidentate ligand containing both imidazole and pyrazole moieties; *Inorg. Chim. Acta*, 288, (1999) 239-243.
- 733.B. Douziche, A. Schuitema, W.L. Driessen and J. Reedijk; A novel dinucleating macrocyclic ligand yielding stable dicopper peroxo complexes; *J. Inorg. Biochem.*, 74, (1999) 273.
- 734 S. Leinonen, D.C. Sherrington, A. Sneddon, D. McLoughlin, J. Corker, C. Canevali, F. Morazzoni, J. Reedijk and S.B.D. Spratt; Molecular structural and morphological characterization of polymer-supported Mo(VI) alkene epoxidation catalysts; *J. Catal.*, 183, (1999) 251-266.
- 735 A.H. Velders, A.C.G. Hotze, J.G. Haasnoot and J. Reedijk; The first observation and full characterization of all atropisomers and their allowed interconversions in an octahedral bis(bipyridine)ruthenium(II) complex with two lopsided bicyclic ligands, as studied by 2D NMR techniques at variable temperature; *Inorg. Chem.*, 38, (1999) 2762-2763.
736. D. Rehorst, L. Chang, C. Finazzo, M. Lutz, A.L. Spek, S. Gorter, W.L. Driessen and J. Reedijk; Two new linear trinuclear Cu(II) complexes with bridging pyrazolato ligands; *J. Inorg. Biochem.*, 74, (1999) 274.
737. S. Amani Komaei, G.A. van Albada and J. Reedijk; Synthesis, spectroscopic and magnetic properties of methoxy-bridged copper(II) complexes with 2-amino-4-methylpyridine as the ligand; *Transit. Met. Chem.*, 24, (1999) 104-108.
- 738.P.J. Nieuwenhuizen, J.G. Haasnoot and J. Reedijk; Homogeneous zinc(II) catalysis in accelerated vulcanization II. (Poly)olefin oxidation, dehydration, and reaction with anti-reversion coagents; *Rubber Chem. Technol.*, 72, (1999) 15-26.
- 739.P.J. Nieuwenhuizen, J.M. Van Veen, J.G. Haasnoot and J. Reedijk; Homogeneous zinc(II) catalysis in accelerated vulcanization III. Degradation modes of mono- and disulfidic cross-links; *Rubber Chem. Technol.*, 72, (1999) 27-42.
- 740.P.J. Nieuwenhuizen, J.M. Van Veen, J.G. Haasnoot and J. Reedijk; Homogeneous zinc(II) catalysis in accelerated vulcanization IV. The mechanism of cross-line (DE)sulfuration; *Rubber Chem. Technol.*, 72, (1999) 43-52.
- 741.G.A. van Albada, S. Gorter and J. Reedijk; Synthesis, spectral characterization and X-ray structure of aquasodium triaquabis(pyridine-2,6-dicarboxyl-diato)samarate trihydrate, an unique bis-pdc compound, with a sheet-type structure stabilised by sodium ions in each direction; *Polyhedron*, 18, (1999) 1821-1828.
742. S. Amani Komaei, G.A. van Albada, I. Mutikainen, U. Turpeinen and J. Reedijk; Alkoxo-bridged dinuclear copper(II) compounds with 2-amino-picolines as ligands. Synthesis, spectroscopy, magnetism and X-ray crystal structures; *Polyhedron*, 18, (1999) 1991-1997.
743. R.J. Heetebrij, R.A. Tromp, G.A. van der Marel, J.H. van Boom and J. Reedijk; A novel approach to site-specifically platinated oligonucleotides applying combinations of nucleobase protecting groups; *Chem. Commun.*, (1999) 1693-1694.
- 744.M.J. Bloemink, J.J.H. Diederer, J.P. Dorenbos, R.J. Heetebrij, B.K. Keppler and J. Reedijk; Calcium ions do accelerate the DNA Binding of new antitumor-active platinum phosphonate complexes; *Eur. J. Inorg. Chem.*, (1999) 1655-1657.
- 745.B.A.J. Jansen, J. van der Zwan, J. Reedijk, H. den Dulk and J. Brouwer; A tetranuclear platinum compound designed to overcome cisplatin resistance; *Eur. J. Inorg. Chem.*, (1999) 1429-1433.
746. J. Reedijk; Why does cisplatin reach Guanine-N7 with competing S-donor ligands available in the cell? *Chem. Rev.* 99 (1999) 2499-2510.
- 747.J.M. Teuben, C. Bauer, A.H.J. Wang, J. Reedijk, Solution Structure of a DNA Duplex Containing a cis-Diammineplatinum(II) 1,3-d(GTG) Intrastrand Cross-Link, a Major Adduct in Cells Treated with the Anticancer Drug Carboplatin, *Biochem.*; 38 (1999) 12305-12312.
748. G.A. van Albada, W.J.J. Smeets, A.L. Spek and J. Reedijk; Crystal structure and spectroscopic properties of dinitrato-bis(2-methylbenzimidazole)copper(II) methanol; *J. Coord. Chem.*, 48, (1999) 375-381.
749. G.A. van Albada, P.J. van Koningsbruggen, I. Mutikainen, U. Turpeinen and J. Reedijk; Synthesis, structure, spectroscopy, and magnetism of unique propeller-type linear trinuclear Cu-II complexes with in-situ prepared formamidine ligands; *Eur. J. Inorg. Chem.*, (1999) 2269-2275.
- 750.M.J. Bloemink, J.M.J. Perez, R.J. Heetebrij and J. Reedijk; The new anticancer drug [(2R)-aminomethylpyrrolidine](1,1-cyclobutanedicarboxylato)platinum(II) and its toxic S enantiomer do interact differently with nucleic acids; *J. Biol. Inorg. Chem.*, 4, (1999) 554-567.
- 751.H.F. Moed, Th.N. van Leeuwen and J. Reedijk; Towards Appropriate Indicators of Journal Impact; *Scientometrics*, 37 (1996) 105-116
- 752.S. Ferrer, P.J. van Koningsbruggen, J.G. Haasnoot, J. Reedijk, H. Kooijman, A.L. Spek, L. Lezama, A.M. Arif and J.S. Miller; Dimetallic complexes derived from a novel dinucleating chelating symmetric triazole ligand; crystal structure, magnetic properties and ESR study of bis[μ -3,5-diacetyl-amino-1,2,4-triazolato-O',N-1,N-2,O'']bis(nitrate)(aqua)copper(II)]; *J. Chem. Soc.-Dalton Trans.*, (1999) 4269-4276.
- 753.J. Reedijk; Journal citation rankings; *Chem. Eng. News*, 77, (1999) 6.
- 754.T.N. van Leeuwen, H.F. Moed and J. Reedijk; Critical comments on Institute for Scientific information impact factors: a sample of inorganic molecular chemistry journals; *J. Inf. Sci.*, 25, (1999) 489-498

- 755.L.A. Pardi, A.K. Hassan, F.B. Hulsbergen, J. Reedijk, A.L. Spek and L.C. Brunel; Direct determination of the single-ion anisotropy in a one-dimensional magnetic system by high-field EPR spectroscopy; Synthesis, EPR, and X-ray structure of $Ni_xZn_{1-x}(C_2O_4)(dmiz)_2$ [$x=0.07$]; *Inorg. Chem.*, 39, (2000) 159-164.
- 756.M.E. Quiroz-Castro, G.A. van Albada, I. Mutikainen, U. Turpeinen and J. Reedijk; The crystal structure, spectroscopy and EPR of tetragonal bis(2-(aminomethyl)pyridine)Cu(II) compounds. Rare cases of the absence of Cu(II) plasticity; *Inorg. Chim. Acta*, 297, (2000) 129-133.
- 757.K.S. Schmidt, D.V. Filippov, N.J. Meeuwenoord, G.A. van der Marel, J.H. van Boom, B. Lippert and J. Reedijk; Solid-phase synthesis of a monofunctional trans- $a_2Pt(II)$ complex tethered to a single-stranded oligonucleotide; *Angew. Chem.-Int. Edit.*, 39, (2000) 375-377.
- 758.J.M. Teuben, M.R.I. Zubiri and J. Reedijk; Glutathione readily replaces the thioether on platinum in the reaction with $[Pt(dien)(GSM_e)]^{2+}$ ($GSM_e = S$ -methylated glutathione); a model study for cisplatin-protein interactions; *J. Chem. Soc.-Dalton Trans.*, (2000) 369-372.
- 759.G.A. van Albada, R.C. Guijt, J.G. Haasnoot, M. Lutz, A.L. Spek and J. Reedijk; Two examples of novel and unusual double-layered, two-dimensional Cu^{II} compounds with bridging 1,3-bis(1,2,4-triazol-1-yl)propane; *Eur. J. Inorg. Chem.*, (2000) 121-126.
- 760.G.A. van Albada, M.E. Quiroz-Castro, I. Mutikainen, U. Turpeinen and J. Reedijk; The first structural evidence of a polymeric Cu(II) compound with a bridging dicyanamide anion: X-ray structure, spectroscopy and magnetism of catena-[polybis(2-aminopyrimidine)copper(II)-bis(μ -dicyanamido)]; *Inorg. Chim. Acta*, 298, (2000) 221-225.
761. S. Ferrer, J.G. Haasnoot, J. Reedijk, E. Muller, M.B. Cingi, M. Lanfranchi, A.M.M. Lanfredi and J. Ribas; Trinuclear N,N-bridged copper(II) complexes involving a Cu_3OH core: $[Cu_3(\mu_3-OH)_L_3A(H_2O)_2](H_2O)_x$ [$L=3$ -acetyl-amino-1,2,4-triazolate; $A = CF_3SO_3, NO_3, ClO_3$; $x = 0, 2$]; synthesis, X-ray structures, spectroscopy, and magnetic properties; *Inorg. Chem.*, 39, (2000) 1859-1867.
762. E. Monzani, G. Koolhaas, A. Spandre, E. Leggeri, L. Casella, M. Gullotti, G. Nardin, L. Randaccio, M. Fontani, P. Zanello and J. Reedijk; Binding of nitrite and its reductive activation to nitric oxide at biomimetic copper centers; *J. Biol. Inorg. Chem.*, 5, (2000) 251-261.
763. P.J. Nieuwenhuizen, J.G. Haasnoot and J. Reedijk; Model-Compound Vulcanization - An Established Technique for the Next Century; *Kautschuk Gummi Kunststoffe*, 53(2000) 144-152.
764. K.S. Schmidt, R.K.O. Sigel, D.V. Filippov, G.A. van der Marel, B. Lippert and J. Reedijk; Hydrogen bonding between adenine and 2,4-difluorotoluene is definitely not present, as shown by concentration-dependent NMR studies; *New J. Chem.*, 24, (2000) 195-197.
765. A.C.G. Hotze, A.H. Velders, F. Ugozzoli, M. Biagini-Cingi, A.M. Manotti-Lanfredi, J.G. Haasnoot and J. Reedijk; Synthesis, characterization, and crystal structure of \square - $[Ru(azpy)_2(NO_3)_2]$ ($azpy=2$ -Phenylazo)pyridine) and the products of its reactions with guanine derivatives; *Inorg. Chem.*, 39, (2000) 3838-44.
766. K.G. Hendrikse, W.J. McGill, J. Reedijk and P.J. Nieuwenhuizen; Vulcanization of chlorobutyl rubber. I. The identification of crosslink precursors in compounds containing ZnO/ZnCl₂; *J. Appl. Polym. Sci.*, 78, (2000) 2290-2301.
767. G.A. van Albada, W.J.J. Smeets, A.L. Spek and J. Reedijk; Crystal structures, spectroscopy and magnetism of Cu(II) bromide adducts with bis(2-benzimidazolyl)alkanes: influence of alkyl bridge on the degree of distortion from tetrahedral; *Inorg. Chim. Acta*, 299, (2000) 35-40.
768. L.G.A. van de Water, F. ten Hoonte, W.L. Driessen, J. Reedijk and D.C. Sherrington; Selective extraction of metal ions by azathiocrown ether- modified polar polymers; *Inorg. Chim. Acta*, 303, (2000) 77-85.
769. W.L. Driessen, B. Maase, J. Reedijk, H. Kooijman, M.T. Lakin and A.L. Spek; A dinuclear copper(II) and a mononuclear cobalt(II) compound of the didentate N,O-donor ligand 1-(2-hydroxyethyl)-3,5-dimethylpyrazole; *Inorg. Chim. Acta*, 300, (2000) 1099-1103.
770. D.R. van Staveren, G.A. van Albada, S. Gorter, J.G. Haasnoot and J. Reedijk; Synthesis, characterization and luminescence properties of lanthanide(III) compounds with 2,6-di(hydroxymethyl)pyridine and the related 2,6-di(hydroxymethyl-d(2))pyridine ligand. X-ray structure of $[Sm(2,6-di(hydroxymethyl)pyridine)_3](NO_3)_3$; *Inorg. Chim. Acta*, 300, (2000) 1104-1108.
771. C.L. Zilverentant, G.A. van Albada, A. Bousseksou, J.G. Haasnoot and J. Reedijk; Infrared detection of the hysteresis in the thermally induced spin-crossover in bis(4,4'-bis-1,2,4-triazole)bis(thiocyanato-N)iron(II) monohydrate; *Inorg. Chim. Acta*, 303, (2000) 287-290.
772. A.H. Velders, H. Kooijman, A.L. Spek, J.G. Haasnoot, D. de Vos and J. Reedijk; Strong differences in the in vitro cytotoxicity of three isomeric dichlorobis(2-phenylazopyridine)ruthenium(II) complexes; *Inorg. Chem.*, 39, (2000) 2966-67.
773. E. Bouwman, B. Douziche, L. Gutierrez-Soto, M. Beretta, W.L. Driessen, J. Reedijk and G. Mendoza-Diaz; Co(II), Ni(II), and Zn(II) compounds of the new tridentate ligand N,N-bis(2-ethyl-5-methyl-imidazol-4-ylmethyl)aminopropane (biap). X-ray structures of biap · H₂O, [Co(biap)(NCS)(OAc)], [Ni(biap)(NCS)(OAc)], [Ni(biap)(NCS)₂(MeCN)](MeCN), and [Ni(biap)₂](BF₄)₂(EtOH); *Inorg. Chim. Acta*, 304, (2000) 250-259.
774. J.C. Hierro, D.D. Ellis, A.L. Spek, E. Bouwman and J. Reedijk; Unique chains of alternating octahedral and tetrahedral cobalt(II) sites: crystal structures of the novel chloro-bridged complexes $[Co_4(\mu-Cl)_6Cl_2(thf)_4(MeOH)_2]_n$ and $[Co_4(\mu-Cl)_6Cl_2(thf)_4(H_2O)_2]_n$; *Chem. Commun.*, (2000) 1359-1360.
775. G.A. van Albada, N. Veldman, A.L. Spek and J. Reedijk; Synthesis, spectroscopy, and X-ray structure of the polymer catena-[bis(azido-N)-copper(II)- μ -bis(2-benzimidazolyl)butane]; *J. Chem. Crystallogr.*, 30, (2000) 69-72.
776. J.M. Teuben and J. Reedijk; *J. Biol. Inorg. Chem.* Reaction of DNA oligonucleotides with $[Pt(dien)GSM_e](2+)$ ($GSM_e = S$ -methylated glutathione) and $cis-[Pt(NH_3)_2(GSM_e)_2](2+)$: evidence of oligonucleotide platination via sulfur-coordinated platinum intermediates; *J. Biol. Inorg. Chem.*, 5, (2000) 463-468.
777. M.S. Robillard, A.P.M. Valentijn, N.J. Meeuwenoord, G.A. van der Marel, J.H. van Boom and J. Reedijk; The first solid-phase synthesis of a peptide-tethered platinum(II) complex; *Angew. Chem. Int. Ed.*, 39, (2000) 3096-3098.
778. G.A. van Albada, I. Mutikainen, O.S. Roubeau, U. Turpeinen and J. Reedijk; A novel triangular trinuclear $\mu-CO_3$ ferromagnetic Cu(II) compound prepared in situ from CO_2 uptake in air. X-ray structure, spectroscopy and magnetism; *Eur. J. Inorg. Chem.*, (2000) 2179-2184.
779. I. Riggio, G.A. van Albada, I. Mutikainen, U. Turpeinen and J. Reedijk; Catena-poly[[bis(nitrato)pyrimidine]-copper(II)]- μ -pyrimidine-N:N]; *Acta Cryst.*, 56, (2000) E380-E381.
780. D.R. van Staveren, J.G. Haasnoot, A.M. Manotti Lanfredi, S. Menzer, P.J. Nieuwenhuizen, A.L. Spek, F. Ugozzoli and J. Reedijk; Synthesis and X-ray crystal structures of two novel dinuclear methoxo-bridged hexafluoropentanedionato Er(III) complexes with 1,10-phenanthroline and 2,2'-bipyridine; *Inorg. Chim. Acta*, 307, (2000) 81-87.
781. A.F. Stassen, M. de Vos, P.J. van Koningsbruggen, F. Renz, J. Ensling, H. Kooijman, A.L. Spek, J.G. Haasnoot, P. Guetlich and J. Reedijk; Synthesis, structure, and magnetic properties of a

- tris[3-(2-pyridyl)-1,2,4-triazole]iron(II) spin-crossover complex; *Eur. J. Inorg. Chem.*, (2000) 2231-2237.
782. P.J. Baesjou, W.L. Driessen, J. Reedijk and A.L. Spek; Structure of aqua-bis(ethylenediamine)copper(II) bis(2,6-dimethylphenolate); *Inorg. Chim. Acta*, 306, (2000) 237-240.
783. G.A. van Albada, W.J.J. Smeets, A.L. Spek and J. Reedijk; Crystal structure and spectroscopy of a most unusual Cu(II) coordination compound containing an infinite chain of lattice ligand interwoven with stacked sheets of neutral bis(2-aminopyrimidine-bridged) copper ions: X-ray structure of $[\text{Cu}(\text{ampym})_2(\text{H}_2\text{O})_2(\text{CF}_3\text{SO}_3)_2] (\text{ampym})_2(\text{ampym})_2$; *J. Chem. Crystallogr.*, 30, (2000) 11-16.
784. S. Komeda, M. Lutz, A.L. Spek, M. Chikuma and J. Reedijk; New antitumor-active azole-bridged dinuclear platinum(II) complexes: Synthesis, characterization, crystal structures, and cytotoxic studies; *Inorg. Chem.*, 39, (2000) 4230-4236.
785. C. Molenaar, J.-M. Teuben, R.J. Heetebrij, H.J. Tanke and J. Reedijk; New insights in the cellular processing of platinum antitumor compounds, using fluorophore-labeled platinum complexes and digital fluorescence microscopy; *J. Biol. Inorg. Chem.*, 5, (2000) 655-665.
786. J. Reedijk; DNA-binding Properties of Heavy-Metal Complexes and Consequences of Structural Changes; *Macromol. Symp.*, 156, (2000) 277-284
787. J.-C. Hierso, D.D. Ellis, A.L. Spek, E. Bouwman and J. Reedijk; Cobalt-assisted condensation of 2-butanone oxime and acetone: synthesis and x-ray structure of the novel acetaldiimine complex $[\text{Co}_2\{((\text{CH}_3\text{CH}_2)(\text{CH}_3)\text{C}=\text{NO})_2\text{C}(\text{CH}_3)_2\}]$; *Eur. J. Inorg. Chem.*, (2000) 2459-2462.
788. A.H. Velders, A.C.G. Hotze, G.A. van Albada, J.G. Haasnoot and J. Reedijk; Tuning the rotational behavior of lopsided heterocyclic nitrogen ligands (L) in octahedral *cis*- $[\text{Ru}(\text{bpy})_2(\text{L})_2](\text{PF}_6)_2$ complexes. A variable-temperature ^1H NMR study; *Inorg. Chem.*, 39, (2000) 4073-4080.
789. M. Beretta, E. Bouwman, L. Casella, B. Douziche, W.L. Driessen, L. Gutierrez-Soto, E. Monzani and J. Reedijk; Copper complexes of a new tridentate imidazole-containing ligand: spectroscopy, structures and nitrite reductase reactivity. The molecular structures of $[\text{Cu}(\text{biap})(\text{NO}_2)_2]$ and $[\text{Cu}(\text{biap})\text{Br}_2]$; *Inorg. Chim. Acta*, 310, (2000) 41-50.
790. V.E. Kaasjager, L. Puglisi, E. Bouwman, W.L. Driessen and J. Reedijk; Synthesis, characterization and crystal structures of nickel complexes with dissymmetric tetradentate ligands containing a mixed-donor sphere; *Inorg. Chim. Acta*, 310, (2000) 183-190.
- 2001**
791. A. Dirksen, P.J. Nieuwenhuizen, M. Hoogenraad, J.G. Haasnoot and J. Reedijk; New mechanism for the reaction of amines with zinc dithiocarbamates; *J. Appl. Polym. Sci.*, 79, (2001) 1074-1083.
792. J.C. Hierso, E. Bouwman, D.D. Ellis, M.P. Cabero, J. Reedijk and A.L. Spek; Cobalt(II) aldoxime complexes stabilised by halide hydrogen bonding: Crystal structures of $[\text{Co}\{\text{HON}=\text{C}(\text{H})(\text{Me})\}_2\text{X}_2]$ (X = Cl or Br) and $[\text{Co}\{\text{HON}=\text{C}(\text{H})(\text{Pr})\}_2\text{Cl}_2]$; *J. Chem. Soc.-Dalton Trans.*, (2001) 197-201.
793. B.A.J. Jansen, J. van der Zwan, H. den Dulk, J. Brouwer and J. Reedijk; Dinuclear alkyldiamine platinum antitumor compounds: A structure-activity relationship study; *J. Med. Chem.*, 44, (2001) 245-249.
794. V.V. Pavlishchuk, I.A. Koval, E. Goreshnik, A.W. Addison, G.A. van Albada and J. Reedijk; The first example of a true "Turnbull's Blue" family compound with trapped iron oxidation states; *Eur. J. Inorg. Chem.*, (2001) 297-301.
795. O. Roubeau, J.M.A. Gomez, E. Balskus, J.J.A. Kolnaar, J.G. Haasnoot and J. Reedijk; Spin-transition behaviour in chains of Fe^{II} bridged by 4- substituted 1,2,4-triazoles carrying alkyl tails; *New J. Chem.*, 25, (2001) 144-150.
796. L.G.A. van de Water, W. Buijs, W.L. Driessen and J. Reedijk; Correlation between the reactivities and the computed conformational and electronic properties of N,S,O-mixed-donor crown ethers; *New J. Chem.*, 25, (2001) 243-249.
797. A.H. Velders, B. van der Geest, H. Kooijman, A.L. Spek, J.G. Haasnoot and J. Reedijk; Ruthenium(III) coordination to the exocyclic nitrogen of 9-methyladenine and stabilisation of the rare imine tautomer by intramolecular hydrogen bonding; *Eur. J. Inorg. Chem.*, (2001) 369-372.
798. V.E. Kaasjager, J. van den Broeke, R.K. Henderson, W.J.J. Smeets, A.L. Spek, W.L. Driessen, E. Bouwman and J. Reedijk; Synthesis and X-ray crystal structures of a dinuclear and a trinuclear nickel complex with mixed N,O,S ligand environments; *Inorg. Chim. Acta*, 316, (2001) 99-104.
799. J. Kramer, A. Scholten, W.L. Driessen and J. Reedijk; Recovery of rhodium-containing catalysts by silica-based chelating ion exchangers containing N and S donor atoms; *Inorg. Chim. Acta*, 315, (2001) 183-190.
800. D.R. van Staveren, G.A. van Albada, J.G. Haasnoot, H. Kooijman, A.M.M. Lanfredi, P.J. Nieuwenhuizen, A.L. Spek, F. Ugozzoli, T. Weyhermuller and J. Reedijk; Increase in coordination number of lanthanide complexes with 2,2'-bipyridine and 1,10-phenanthroline by using \square -diketonates with electron-withdrawing groups; *Inorg. Chim. Acta*, 315, (2001) 163-171.
801. I. Riggio, G.A. van Albada, D.D. Ellis, A.L. Spek and J. Reedijk; Synthesis, X-ray structure, spectroscopy and magnetism of polymeric bis(μ -dicyanamido)(μ -pyrimidine)copper(II) monoacetonitrile; a 3D compound with bridging dicyanamide anions in two dimensions; *Inorg. Chim. Acta*, 313, (2001) 120-124.
802. P. Gamez, C. Simons, G. Aromi, W.L. Driessen, G. Challa and J. Reedijk; Small heterocyclic ligands improve the copper-catalyzed oxidative coupling of 2,6-dimethylphenol to poly(2,6-dimethyl-1,4-phenylene ether); *Appl. Catal. A-Gen.*, 214, (2001) 187-192.
803. B.A.J. Jansen, J.M. Perez, A. Pizarro, C. Alonso, J. Reedijk and C. Navarro-Ranninger; Sterically hindered cisplatin derivatives with multiple carboxylate auxiliary arms: synthesis and reactions with guanosine-5'-monophosphate and plasmid DNA; *J. Inorg. Biochem.*, 85, (2001) 229-235.
804. P. Gamez, C. Simons, R. Steensma, W.L. Driessen, G. Challa and J. Reedijk; A spectacular increase in the polymerisation rate of 2,6-dimethylphenol induced by acetonitrile; *Eur. Polym. J.*, 37, (2001) 1293-1296.
805. V.G. Makhankova, O.Y. Vassilyeva, V.N. Kokozay, B.W. Skelton, J. Reedijk, G.A. Van Albada, L. Sorace and D. Gatteschi; A unique heteropentanuclear ($\text{Cu}_2\text{CoCo}_2^{\text{III}}$)-complex, synthesised from metallic Cu and Co acetate in the presence of triethanolamine. Magnetic properties and a strong H-bond stabilised lattice; *New J. Chem.*, 25, (2001) 685-689.
806. J. Reedijk; More on journals; *Chem. Eng. News*, 79, (2001) 6-7
807. G.A. van Albada, W.J.J. Smeets, A.L. Spek and J. Reedijk; Crystal structure and spectroscopy of the low-spin iron(II) compound: tris(bipyrimidine)iron(II) bis(triflate), $[\text{Fe}(\text{bipym})_3](\text{CF}_3\text{SO}_3)_2$; *J. Chem. Cryst.*, 30, (2001) 441-444.
808. E.A. Vinogradova, O.Y. Vassilyeva, V.N. Kokozay, P.J. Squattrito, J. Reedijk, G.A. Van Albada, W. Linert, S.K. Tiwary and P.R. Raithby; Symmetric and asymmetric trinuclear cores in novel μ -alkoxo-bridged mixed-metal ($\text{Cu}^{\text{II}}\text{Zn}^{\text{II}}$) complexes: synthesis from zerovalent copper and zinc oxide, structure and magnetism; *New J. Chem.*, 25, (2001) 949-953.
809. K. van der Schilden, A.H. Velders, J.G. Haasnoot and J. Reedijk; Design and synthesis of a new class of DNA-binding dinuclear ruthenium complexes; *J. Inorg. Biochem.*, 86, (2001) 466-466.
810. G.A. van Albada, I. Mutikainen, U. Turpeinen and J. Reedijk; *catena*-Poly[[dicyanamidobis(3-hydroxypyridine-*N*)-copper(II)- μ -dicyanamido]; *Acta Crystallogr., Sect. E*, (2001) m421-m423

811. A.F. Stassen, O. Roubeau, I.F. Gramage, J. Linares, F. Varret, I. Mutikainen, U. Turpeinen, J.G. Haasnoot and J. Reedijk; Physical properties of the spin-crossover compound hexakis(1-methyltetrazole-*N*³)iron(II) triflate, steady state and relaxation studies, X-ray structure of the isomorphous Ni(II) compound; *Polyhedron*, 20, (2001) 1699-1707.
812. M. Robillard, S. van Alphen, E. van der Hout, A. Valentijn, N. Meeuwenoord, G. van der Marel, J. van Boom and J. Reedijk; Solid-phase synthesis of peptide-tethered platinum(II) complexes; *J. Inorg. Biochem.*, 86, (2001) 403-403.
813. O. Roubeau, A.F. Stassen, I.F. Gramage, E. Codjovi, J. Linares, F. Varret, J.G. Haasnoot and J. Reedijk; Surprising features in old and new [Fe(alkyl-tetrazole)₆] spin-crossover systems; *Polyhedron*, 20, (2001) 1709-1716.
814. L.A. Kovbasyuk, O.Y. Vassilyeva, V.N. Kokozay, H. Chun, I. Bernal, J. Reedijk, G.A. van Albada and B.W. Skelton; Triethanolamine copper chloride prepared from zerovalent metal: another polymorph of a known Cu(II) compound or a mixed-valence complex with all-trigonal bipyramidal copper?; *Crystal Engineering*, 4, (2001) 201-213.
815. A.C.G. Hotze, A.H. Velders, B.A.J. Jansen, J.G. Haasnoot and J. Reedijk; Novel ruthenium(II) complexes based upon the cytotoxic α -isomer of the *cis*-dichlorobis(2-phenylazopyridine) complexes; *J. Inorg. Biochem.*, 86, (2001) 269.
816. M. Hoogenraad, K. Ramkisoensing, W.L. Driessen, H. Kooijman, A.L. Spek, E. Bouwman, J.G. Haasnoot and J. Reedijk; Catalytic and electrochemical properties of new manganese(III) compounds of 2-(2'-hydroxyphenyl)-oxazoline (Hphox or HClphox). Molecular structures of [Mn(Clphox)₂(MeOH)₂](ClO₄) and [Mn(phox)₂(MeOH)₂][Mn(phox)₂(ClO₄)₂](H₂O); *Inorg. Chim. Acta*, 320, (2001) 117-126.
817. P. Gamez, R. Steensma, W.L. Driessen and J. Reedijk; Selective macrocyclic copper complexes as catalysts for the polymerization of 2,6-dimethylphenol; *J. Inorg. Biochem.*, 86, (2001) 229.
818. E. Dova, A.F. Stassen, R.A.J. Driessen, E. Sonneveld, K. Goubitz, R. Peschar, J.G. Haasnoot, J. Reedijk and H. Schenk; Structure determination of the [Fe(teec)₆](BF₄)₂ metal complex from laboratory and synchrotron X-ray powder diffraction data with grid-search techniques; *Acta Crystallogr. Sect. B-Struct. Sci.*, 57, (2001) 531-538.
819. P.G. Aubel, S.S. Khokhar, W.L. Driessen, G. Challa and J. Reedijk; The copper-catalysed oxidative coupling of 2,6-dimethylphenol; *J. Inorg. Biochem.*, 86, (2001) 134.
820. G. Aromi, P.C. Berzal, P. Gamez, O. Roubeau, H. Kooijman, A.L. Spek, W.L. Driessen and J. Reedijk; A unique asymmetric [Mn^{III}] triple-stranded helicate from a symmetric pentadentate ligand; *Angew. Chem.-Int. Edit.*, 40, (2001) 3444-3446.
821. P. Gamez, P.G. Aubel, W.L. Driessen and J. Reedijk; Homogeneous bio-inspired copper-catalyzed oxidation reactions; *Chem. Soc. Rev.*, 30, (2001) 376-386.
822. P.G. Aubel, S.S. Khokhar, W.L. Driessen, G. Challa and J. Reedijk; The electronic effect of 4,4'-disubstituted 2,2'-bipyridine ligands on the copper-catalysed oxidative coupling of 2,6-dimethylphenol; *J. Mol. Catal. A-Chem.*, 175, (2001) 27-31.
823. J. Reedijk; New types of antitumor compounds and their interaction with nucleic acids; *J. Inorg. Biochem.*, 86, (2001) 89-89.
824. L.A. Kovbasyuk, O.Y. Vassilyeva, V.N. Kokozay, H. Chun, I. Bernal, J. Reedijk, G.A. van Albada and B.W. Skelton; Triethanolamine copper chloride prepared from zerovalent metal: another polymorph of a known Cu(II) compound or a mixed-valence complex with all-trigonal bipyramidal copper?; *Crystal Engineering*, 4, (2001) 201-213.
825. I. Riggio, G.A. van Albada, D.D. Ellis, I. Mutikainen, A.L. Spek, U. Turpeinen and J. Reedijk; X-ray crystal structures, spectroscopic and magnetic measurements of copper(II) and cobalt(II) halide compounds with bis(2-benzimidazolyl)alkane ligands; *Polyhedron*, 20, (2001) 2659-2666.
826. V.G. Makhankova, O.Y. Vassilyeva, V.N. Kokozay, B.W. Skelton, G.A. Van Albada and J. Reedijk; Spectroscopic and magnetostructural evidence for the formation of [Cu_{0.5}Co_{0.5}(H₂Tea)X] mixed-crystal compounds from zerovalent Cu and Co salts in the presence of triethanolamine (H₂Tea-triethanolamine; X = SCN, Cl); *Z.Naturforsch.(B)*, 56, (2001) 931-936.
827. M. Robillard, B.A.J. Jansen, M. Lochner, M. Geneste, Y. Li, J. Brouwer, M. Hesse and J. Reedijk; Mononuclear tetraamineplatinum(II) complexes: synthesis, anticancer activity, DNA binding, and cellular uptake; *Helv. Chim. Acta*, 84, (2001) 3023-3030.
828. S.T. Warzeska, F. Micciche, M. Chiara Mimmi, E. Bouwman, H. Kooijman, A.L. Spek and J. Reedijk; Tuning the coordination mode in mononuclear manganese complexes by changing the steric bulk of the carboxylates; *J. Chem. Soc.-Dalton Trans.*, (2001) 3507-3512.
829. W.L. Driessen, P.J. Baesjou, J.E. Bol, H. Kooijman, A.L. Spek and J. Reedijk; A dinuclear copper(II) macrocyclic pyrazole compound catalyses the oxidative polymerisation of 2,6-dimethylphenol; *Inorg. Chim. Acta*, 324, (2001) 16-20.
830. P. Gamez, J. von Harras, O. Roubeau, W.L. Driessen and J. Reedijk; Synthesis and catalytic activities of copper(II) complexes derived from a tridentate pyrazole-containing ligand. X-ray crystal structure of [Cu₂(μ -dpzhp-O,N,N')₂][Cu(MeOH)Cl₃]₂; *Inorg. Chim. Acta*, 324, (2001) 27-34.
831. I.A. Koval, A.M. Schuitema, W.L. Driessen and J. Reedijk; Unprecedented copper(II)-assisted acetal formation of a formyl-substituted bispyrazole. The X-ray structures of copper[1,2-bis(3'-dimethoxymethylpyrazol-1'-yl)ethane] dichloride and dibromide; *J. Chem. Soc.-Dalton Trans.*, (2001) 3663-3667.
832. J. Kramer, A.R. Garcia, W.L. Driessen and J. Reedijk; Tuning the recovery of an Rh-containing catalyst with silica-based (poly) amine ion exchangers; *Chem. Commun.*, (2001) 2420-2421.
833. A.M. Schuitema, M. Engelen, I.A. Koval, S. Gorter, W.L. Driessen and J. Reedijk; New didentate bispyrazole ligands forming uncommon eight-ring chelates with divalent copper, zinc and cobalt; *Inorg. Chim. Acta*, 324, (2001) 57-64.
834. S. Youngme, N. Chaichit, P. Kongsaree, G.A. van Albada and J. Reedijk; Synthesis, structure, spectroscopy, and magnetism of two new dinuclear carbonate-bridged Cu(II) complexes; *Inorg. Chim. Acta*, 324, (2001) 232-240.
835. G.A. van Albada, I. Mutikainen, U. Turpeinen and J. Reedijk; Structure, spectroscopy and magnetism of a strong ferromagnetically coupled dinuclear hydroxo-bridged Cu(II) compound with 4,4'-dimethyl-2,2'-bipyridine as a ligand. The first X-ray structure of a dinuclear Cu(II) compound with dmbipy; *Inorg. Chim. Acta*, 324, (2001) 273-277.
836. C.H. Chang, K.C. Hwang, C.S. Liu, Y. Chi, A.J. Carty, L. Scoles, S.M. Peng, G.H. Lee and J. Reedijk; Formation and stabilization of a decanuclear Cu^{II} wheel linked by chloride and O H-N hydrogen bonds; *Angew. Chem.-Int. Edit.*, 40, (2001), 4651-4653.
837. G.A. van Albada, I. Riggio, I. Mutikainen, U. Turpeinen and J. Reedijk; Crystal structure and spectroscopy of bis-[bis(2-benzimidazolyl)propane]copper(II) bis(triflate)monohydrate, a copper complex with a geometry intermediate between tetrahedral and square planar; *J. Chem. Crystallogr.*, 30, (2001) 793-797.
838. G.A. van Albada, I. Mutikainen, U. Turpeinen and J. Reedijk; Crystal structure and spectroscopy of the high-spin compound: Tris-(2,2'-bipyridine-1,1'-dioxide)iron(III) tris(perchlorate) bis(acetonitrile), [Fe(bpdo)₃](ClO₄)₃(CH₃CN)₂; *J. Chem. Crystallogr.*, 31, (2001) 75-79.

2002 :

- 839 G. Aromi, P. Gamez, O. Roubeau, P.C. Berzal, H. Kooijman, A.L. Spek, W.L. Driessen and J. Reedijk; A solvent-controlled switch of manganese complex assemblies with a β -diketonate-based ligand; *Inorg. Chem.*, 41, (2002) 3673-3683.
- 840 G. Aromi, P. Gamez, O. Roubeau, P. Carrero-Berzal, H. Kooijman, A.L. Spek, W.L. Driessen and J. Reedijk; The first case of local cis versus trans coordination as the controlling factor for the overall structure in dinuclear assemblies; *Eur. J. Inorg. Chem.*, (2002) 1046-1048.
- 841 G. Aromi, P. Gamez, O. Roubeau, H. Kooijman, A.L. Spek, W.L. Driessen and J. Reedijk; Ligand-templated four-metal chains dimerize into a unique $[\text{Cu}(\text{II})_8]$ cluster; *Angew. Chem.-Int. Edit.*, 41, (2002) 1168-1170.
- 842 M. Bouma, B. Nuijen, D.R. Stewart, J.R. Rice, B.A.J. Jansen, J. Reedijk, A. Bult and J.H. Beijnen; Stability and compatibility of the investigational polymer-conjugated platinum anticancer agent AP 5280 in infusion systems and its hemolytic potential; *Anti-Cancer Drugs*, 13, (2002) 915-924.
- 843 P. de Hoog, P. Gamez, W.L. Driessen and J. Reedijk; New polydentate and polynucleating *N*-donor ligands from amines and 2,4,6-trichloro-1,3,5-triazine; *Tetrahedron Lett.*, 43, (2002) 6783-6786.
- 844 P. Gamez, P. de Hoog, O. Roubeau, M. Lutz, W.L. Driessen, A.L. Spek and J. Reedijk; An unprecedented 1D ladder coordination polymer based on a pentanuclear copper(II) 2,4,6-tris(dipyridin-2-ylamino)-1,3,5-triazine building block; *Chem. Commun.*, (2002) 1488-1489.
- 845 P. Gamez, R.H. Steensma, W.L. Driessen and J. Reedijk; Copper(II) compounds of the planar-tridentate ligand 2,6-bis(pyrazol-3-yl)pyridine; *Inorg. Chim. Acta*, 333, (2002) 51-56.
- 846 P. Gamez, J. van Dijk, W.L. Driessen, G. Challa and J. Reedijk; A simple and selective biphasic catalytic system for the oxidative polymerization of 2,6-dimethylphenol; *Adv. Synth. Catal.*, 344, (2002) 890-893.
- 847 M. Hoogenraad, H. Kooijman, A.L. Spek, E. Bouwman, J.G. Haasnoot and J. Reedijk; Manganese oxidation catalysts with 2-(2'-hydroxyphenyl)oxazoline ligands: Catalyst intermediates and degradation products - Crystal structure of bis[2-(2'-oxazoliny)phenolato]bis(1-methylimidazole)manganese(III)] perchlorate; *Eur. J. Inorg. Chem.*, (2002) 2897-2903.
- 848 M. Hoogenraad, K. Ramkisoensing, S. Gorter, W.L. Driessen, E. Bouwman, J.G. Haasnoot, J. Reedijk, T. Mahabiersing and F. Hartl; Electrochemical and catalytic properties of novel manganese(III) complexes with substituted 2-(2'-hydroxyphenyl)oxazoline ligands - X-ray structures of tris[5-methyl-2-(2'-oxazoliny)phenolato]manganese(III) and tris[5-chloro-2-(2'-oxazoliny)phenolato]manganese(III); *Eur. J. Inorg. Chem.*, (2002) 377-387.
- 849 A.C.G. Hotze, M.E.T. Broekhuizen, A.H. Velders, H. Kooijman, A.L. Spek, J.G. Haasnoot and J. Reedijk; Crystallographic and NMR evidence of the unusual N₆,N₇-didentate chelation of 3-methyladenine coordinated to the cytotoxic α -dichlorobis(2-phenylazopyridine)ruthenium(II) complex; *J. Chem. Soc.-Dalton Trans.*, (2002) 2809-2810.
- 850 A.C.G. Hotze, M.E.T. Broekhuizen, A.H. Velders, K. van der Schilden, J.G. Haasnoot and J. Reedijk; Unusual coordination of the rare neutral imine tautomer of 9-methyladenine chelating in the N₆,N₇-mode to ruthenium(II) complexes; *Eur. J. Inorg. Chem.*, (2002) 369-376.
- 851 B.A.J. Jansen, J. Brouwer and J. Reedijk; Glutathione induces cellular resistance against cationic dinuclear platinum anticancer drugs; *J. Inorg. Biochem.*, 89, (2002) 197-202.
- 852 B.A.J. Jansen, P. Wielaard, H. den Dulk, J. Brouwer and J. Reedijk; Oxa-aza crown ethers as ligands for mixed-ligand cisplatin derivatives and dinuclear platinum anticancer drugs; *Eur. J. Inorg. Chem.*, (2002) 2375-2379.
- 853 V.E. Kaasjager, E. Bouwman, S. Gorter, J. Reedijk, C.A. Grapperhaus, J.H. Reibenspies, J.J. Smee, M.Y. Darensbourg, A. Derecskei-Kovacs and L.M. Thomson; Unique reactivity of a tetradentate N₂S₂ complex of nickel: Intermediates in the production of sulfur oxygenates; *Inorg. Chem.*, 41, (2002) 1837-1844.
- 854 S. Komeda, M. Lutz, A.L. Spek, Y. Yamanaka, T. Sato, M. Chikuma and J. Reedijk; A novel isomerization on interaction of antitumor-active azole-bridged dinuclear platinum(II) complexes with 9-ethylguanine. Platinum(II) atom migration from N₂ to N₃ on 1,2,3-triazole; *J. Am. Chem. Soc.*, 124, (2002) 4738-4746.
- 855 H. Kooijman, A.L. Spek, G. Aromi, P. Gamez, P.C. Berzal, W.L. Driessen and J. Reedijk; Bis[μ -2-hydroxy-5-methyl-1,3-bis(3-oxido- μ -O₃-phenylprop-2-enonyl- κ -O)benzene]bis[(N,N-dimethyl-formamide-O)copper(II)] bis(N,N-dimethylformamide) solvate; *Acta Crystallogr. Sect. E-Struct Rep. Online*, 58, (2002) m223-m225.
- 856 H. Kooijman, A.L. Spek, E. Bouwman, F. Micciche, S.T. Warzeska and J. Reedijk; cyclo-Decakis(μ -2,2-diphenylacetato-O,O')dodecakis(μ -methoxo)decairon(III) mixed solvate; *Acta Crystallogr. Sect. E-Struct Rep. Online*, 58, (2002) m93-m95.
- 857 H. Kooijman, A.L. Spek, M. Hoogenraad, E. Bouwman, J.G. Haasnoot and J. Reedijk; Tris[2-(2-oxazolin-2-yl)phenolato]iron(III); *Acta Crystallogr. Sect. C-Cryst. Struct. Commun.*, 58, (2002) m390-m392.
- 858 H. Kooijman, A.L. Spek, G.A. van Albada and J. Reedijk; *catena*-Poly[[dicyanamido(5,5'-dimethyl-2,2'-bipyridine- κ^2 N,N')-copper(II)- μ -dicyanamido- κ^2 N¹:N²]]; *Acta Cryst. C-Cryst. Struct. Comm.*, C58, (2002) m124-m126.
- 859 J. Kramer, W.L. Driessen, K.R. Koch and J. Reedijk; Highly selective extraction of platinum group metals with silica-based (poly)amine ion exchanges applied to industrial metal refinery effluents; *Hydrometallurgy*, 64, (2002) 59-68.
- 860 J. Kramer, J.A. Erkelens, A.R.A. Garcia, W.L. Driessen and J. Reedijk; Remarkably fast and selective recovery of a rhodium-containing catalyst with silica-based (poly)amine ion exchangers; *New J. Chem.*, 26, (2002) 822-826.
- 861 J. Kramer, A. Scholten, W.L. Driessen and J. Reedijk; The recovery of a rhodium-containing catalyst by various new silica-based amine ion exchangers; *Eur. J. Inorg. Chem.*, (2002) 1488-1494.
- 862 V.G. Makhankova, O.Y. Vassilyeva, V.N. Kokozay, J. Reedijk, G.A. van Albada, J. Jezierska and B.W. Skelton; Formation, structures, and magnetic and EPR spectroscopic properties of dicobalt(III)-dicopper(II) complexes featuring heterotetranuclear cations of a puckered cyclic structure with diethanolamine and diethanolamine(2-) as bridging Ligands; *Eur. J. Inorg. Chem.*, (2002) 2163-2169.
- 863 B. Mehtaj, J.G. Haasnoot, L. De Cola, G.A. van Albada, I. Mutikainen, U. Turpeinen and J. Reedijk; Syntheses, characterization, X-ray crystal structure, redox and photophysical properties of polypyridylruthenium(II) complexes containing carboxylate-substituted pyridyltriazoles; *Eur. J. Inorg. Chem.*, (2002) 1765-1771.
- 864 G. Mendoza-Diaz, W.L. Driessen, J. Reedijk, S. Gorter, L. Gasque and K.R. Thompson; Synthesis, characterization and X-ray structures of the new dinucleating ligand 2,8-dimethyl-1,4,5,6,7,10,11,12-octahydroimidazo[4,5-h]imidazo[4,5-c][1,6]diazecine-5,11-dithanoic acid and its Cu(II) complex; an alternating chain of Cu(II) ions, coupled both intramolecularly and intermolecularly; *Inorg. Chim. Acta*, 339, (2002) 51-59.

- 865 M.J.J. Mulder, J.G. Haasnoot, D.J. Stufkens, L.H. Tjeng, H.-J. Lin, C.-T. Chen and J. Reedijk; A new synthetic strategy for magnetic metal bis(dithiolene) based conductors; *Eur. J. Inorg. Chem.*, (2002) 3083-3086.
- 866 M.J.J. Mulder, H. Kooijman, A.L. Spek, J.G. Haasnoot and J. Reedijk; A new monoclinic crystal phase of [Bu₄N][Ni(dmit)₂]; *J. Chem. Crystallogr.*, 32, (2002) 347-351.
- 867 E. Pantoja, A. Alvarez-Valdes, J.M. Perez, C. Navarro-Ranninger and J. Reedijk; Synthesis and characterization of new cis[PtCl₂(isopropylamine)(amine^e)] compounds: cytotoxic activity and reactions with 5'-GMP compared with their trans-platinum isomers; *Inorg. Chim. Acta*, 339, (2002) 525-531.
- 868 J. Reedijk, J.G. Haasnoot, O. Roubeau and A.F. Stassen; Spin transitions in octahedral iron(II) compounds with heterocyclic ligands; *Mol. Cryst. Liquid Cryst.*, 379, (2002) 341-348.
- 869 M.S. Robillard, M. Galanski, W. Zimmermann, B.K. Keppler and J. Reedijk; (Aminoethanol)dichloroplatinum(II) complexes: influence of the hydroxyethyl moiety on 5'-GMP and DNA binding, intramolecular stability, the partition coefficient and anticancer activity; *J. Inorg. Biochem.*, 88, (2002) 254-259.
- 870 O. Roubeau, J.G. Haasnoot, E. Codjovi, F. Varret and J. Reedijk; Spin transition regime in new one-dimensional polymeric iron(II) compounds. Importance of the water content for the thermal and optical properties; *Chem. Mat.*, 14, (2002) 2559-2566.
- 871 A.K. Sah, C.P. Rao, P.K. Saarenketo, K. Rissanen, G.A. van Albada and J. Reedijk; Dinuclear copper complexes of *N*-(2-hydroxybenzylidene or 5-bromo-2-hydroxybenzylidene)-4,6-*O*-ethylidene-β-D- glucopyranosylamine: Coordination variation and structural diversity; *Chem. Lett.*, (2002) 348-349.
- 872 K.S. Schmidt, J. Reedijk, K. Weisz, E.M.B. Janke, J.E. Sponer, J. Sponer and B. Lippert; Loss of Hoogsteen pairing ability upon N1-adenine platinum binding; *Inorg. Chem.*, 41, (2002) 2855-2863.
- 873 A.M. Schuitema, A.F. Stassen, W.L. Driessen and J. Reedijk; Synthesis, magnetic properties, and crystal structure of dinuclear antiferromagnetic [Cu-2(5-aminomethyl-3-methylpyrazole)₂Cl₄]; *Inorg. Chim. Acta*, 337, (2002) 48-52.
- 874 A.F. Stassen, E. Dova, R. Ensling, H. Schenk, P. Gutlich, J.G. Haasnoot and J. Reedijk; Spin crossover in hexakis(1-(2-chloroethyl)-tetrazole)iron(II) complexes; synthesis and magnetic properties; *Inorg. Chim. Acta*, 335, (2002) 61-68.
- 875 A.F. Stassen, H. Kooijman, A.L. Spek, J.G. Haasnoot and J. Reedijk; Synthesis, spectroscopy, magnetism, and X-ray structures of hexakis(1-(2-chloroethyl)-tetrazole-N₄)copper(II) salts; *J. Chem. Crystallogr.*, 31, (2002), 307-314.
- 876 A.F. Stassen, H. Kooijman, A.L. Spek, L.J. De Jongh, J.G. Haasnoot and J. Reedijk; Strongly isolated ferromagnetic layers in poly-*trans*-μ-dichloro- and poly-*trans*-μ-dibromobis(1-(2-chloroethyl)-tetrazole-N¹)copper(II) complexes; *Inorg. Chem.*, 41, (2002) 6468-6473.
- 877 G.A. van Albada, I. Mutikainen, I. Riggio, U. Turpeinen and J. Reedijk; X-ray crystal structures, spectroscopic and magnetic measurements of dinuclear alkoxo-bridged copper(II) compounds with substituted bis(2-benzimidazolyl)alkane ligands. First X-ray structure of a copper(II) dinuclear propoxo-bridged compound; *Polyhedron*, 21, (2002) 141-146.
- 878 G.A. van Albada, I. Mutikainen, O. Roubeau, U. Turpeinen and J. Reedijk; Ferromagnetic trinuclear carbonato-bridged and tetranuclear hydroxo-bridged Cu(II) compounds with 4,4'-dimethyl-2,2'-bipyridine as ligand. X-ray structure, spectroscopy and magnetism; *Inorg. Chim. Acta*, 331, (2002) 208-215.
- 879 G.A. van Albada, I. Mutikainen, W.J.J. Smeets, A.L. Spek, U. Turpeinen and J. Reedijk; Synthesis, magnetism and X-ray structures of [Cu(2-aminopyrimidine)₂(μ-OH)(CF₃SO₃)₂](2-aminopyrimidine)₂, a new hydroxo-bridged dinuclear Cu(II) compound generating extremely small antiferromagnetism; *Inorg. Chim. Acta*, 327, (2002) 134-139.
- 880 G.A. van Albada, I. Mutikainen, U. Turpeinen and J. Reedijk; Redetermination of bis(2-aminopyrimidine)bis(nitrato)copper(II); *Acta Crystallogr. Sect. E.-Struct. Rep. Online*, E58, (2002) m55-m57.
- 881 G.A. van Albada, I. Mutikainen, U. Turpeinen and J. Reedijk; Aqua[bis(pyrimidin-2-yl-κN)amine]-(carbonato-κ²-O,O')copper(II) dihydrate; *Acta Crystallogr. Sect. C-Cryst. Struct. Commun.*, 58, (2002) m179-m181.
- 882 G.A. van Albada, I. Riggio, J. Reedijk, I. Mutikainen and U. Turpeinen; Synthesis, spectroscopy, magnetism and X-ray structure of μ-(bipyrimidine)-bis[aqua(bipyrimidine)(saccharinato)copper(II)] bis(saccharinate) tetrahydrate; *Transit. Met. Chem.*, 27, (2002) 341-345.
- 883 L.G.A. van de Water, W.L. Driessen, M.W. Glenny, J. Reedijk and M. Schroder; Selective and reversible extraction of heavy metal-ions by mixed-donor crown ether-modified oxirane and thirane resins; *React. Funct. Polym.*, 51, (2002) 33-47.
- 884 L.G.A. van de Water, W.L. Driessen, J. Reedijk and D.C. Sherrington; Metal-ion extraction by immobilised aza crown ethers; *Eur. J. Inorg. Chem.*, (2002) 221-229.
- 885 A.H. Velders, C. Massera, F. Ugozzoli, M. Biagini-Cingi, A.M. Manotti-Lanfredi, J.G. Haasnoot and J. Reedijk; A simple example of the fluxional behaviour of ruthenium-coordinated C-2-symmetric monodentate ligands - Synthesis, ¹H NMR spectroscopic study, and crystal structure of cis-[Ru(bpy)₂(4Pic)₂](PF₆)₂; *Eur. J. Inorg. Chem.*, (2002) 193-198.
- 886 K.S. Schmidt, M. Boudvillain, A. Schwartz, G.A. van der Marel, J.H. van Boom, J. Reedijk and B. Lippert; Monofunctionally trans-diammine platinum(II)-modified peptide nucleic acid oligomers: A new generation of potential antisense drugs; *Chem.-Eur. J.*, 8, (2002), 5566-5570.
- 887 S.T. Warzeska, M. Zonneveld, R. van Gorkum, W.J. Muizebelt, E. Bouwman and J. Reedijk; The influence of bipyridine on the drying of alkyd paints: a model study; *Progress in Organic Coatings*, 44, (2002) 243-248.
- 888 S. Youngme, G.A. van Albada, H. Kooijman, O. Roubeau, W. Somjitsripunya, A.L. Spek, C. Pakawatchai and J. Reedijk; A unique dinuclear Cu(II) compound with two phase transitions clearly visible from thermal and magnetic behaviour; Synthesis, magnetism and X-ray structures at three temperatures of bis(di-2-pyridylamine)bis(μ-hydroxo)bis(μ-perchlorato-O,O)dicopper(II); *Eur. J. Inorg. Chem.*, (2002) 2367-2374.
- 889 M.J.J. Mulder, C. Faulmann, J.G. Haasnoot and J. Reedijk; A new paramagnetic Pd(dmit)₂ salt: Tris(2,2'-bipyridine)nickel(II) bis(1,3-dithiole-2-thione-4,5-dithiolato)palladate(II) monoacetonitrile; [Ni(bpy)₃][Pd(dmit)₂](CH₃CN); *J. Solid State Chem.*, 168, (2002), 390-395.

2003:

- 890 P. de Hoog, P. Gamez, O. Roubeau, M. Lutz, W.L. Driessen, A.L. Spek and J. Reedijk; Novel zigzag 1D coordination polymer from copper(II) chloride and N,N'-[2,4-di[(di-pyridin-2-yl)amine]-1,3,5-triazine] ethylenediamine exhibiting ferromagnetic interactions; *New J. Chem.*, 27, (2003), 18-21.
- 891 P. Gamez, P. de Hoog, M. Lutz, W.L. Driessen, A.L. Spek and J. Reedijk; The new multi-directional polydentate ligand 2,4,6-(di-pyridin-2-yl-amino)-[1,3,5]triazine (dpyatriz) can discriminate between Zn(II) and Co(II) nitrate; *Polyhedron*, 22, (2003), 205-210.

- 892 R. Griesser, G. Kampf, L.E. Kapinos, S. Komeda, B. Lippert, J. Reedijk and H. Sigel; Intrinsic acid-base properties of purine derivatives in aqueous solution and comparison of the acidifying effects of platinum(II) coordinated to N1 or N7: Acidifying effects are reciprocal and the proton "outruns" divalent metal ions; *Inorg. Chem.*, 42, (2003), 32-41
- 893 B. Kozlevcar, P. Gamez, R. de Gelder, W.L. Driessen and J. Reedijk; Unprecedented change of the Jahn-Teller axis in a centrosymmetric Cu-II complex induced by lattice water molecules - Crystal and molecular structures of bis[bis(3,5-dimethylpyrazol-1-yl)acetato]copper(II) and its dihydrate; *Eur. J. Inorg. Chem.*, (2003), 47-50.
- 894 S. Youngme, G.A. van Albada, O. Roubeau, C. Pakawatchai, N. Chaichit and J. Reedijk; Synthesis, crystal structures and magnetism of planar and roof-shaped hydroxo-bridged dinuclear copper(II) compounds with di-2-pyridylamine as a ligand; *Inorg. Chim. Acta*, 342, (2003), 48-58.
- 895 I.A. Koval, P. Gamez, O. Roubeau, W.L. Driessen, M. Lutz, A.L. Spek and J. Reedijk; Century-known copper salt Cu(OAc)(OMe) proven to be a unique magnetic lattice composed of tetranuclear copper(II) species with a rare binding mode of the acetate anion; *Inorg. Chem.*, 42, (2003), 868-872.
- 896 A.F. Stassen, E.M. Ferrero, C. Gimenez-Saiz, E. Coronado, J.G. Haasnoot and J. Reedijk; A new layered compound containing $[PMO_2O_{40}]^{3-}$ and both 5- and 6-coordinated homoleptic (1-(2-chloroethyl)tetrazole)copper(II) cations; *Monatsh. Chem.*, 134, (2003), 255-264.
- 897 K. Flinzner, A.F. Stassen, A.M. Mills, A.L. Spek, J.G. Haasnoot and J. Reedijk; The chelating ligand 1,3-bis(pyrazol-1'-yl)propane (Bpp) enforces a tetrahedral geometry in both Cu(II) and Cu(I) species; *Eur. J. Inorg. Chem.*, (2003), 671-677.
- 898 S. Komeda, G.V. Kalayda, M. Lutz, A.L. Spek, Y. Yamanaka, T. Sato, M. Chikuma and J. Reedijk; New isomeric azine-bridged dinuclear platinum(II) complexes circumvent cross-resistance to cisplatin; *J. Med. Chem.*, 46, (2003), 1210-1219.
- 899 J. Reedijk; New clues for platinum antitumor chemistry: Kinetically controlled metal binding to DNA; *Proc. Natl. Acad. Sc. (USA)*, 100, (2003), 3611-3616.
- 900 O. Roubeau, M. de Vos, A.F. Stassen, R. Burriel, J.G. Haasnoot and J. Reedijk; Trapping of metastable high-spin species and weak cooperativity in a mononuclear Fe(II) spin-crossover system; *J. Phys. Chem. Solids*, 64, (2003), 1003-1013.
- 901 S. van Zutphen, M.S. Robillard, G.A. van der Marel, H.S. Overkleef, H. den Dulk, J. Brouwer and J. Reedijk; Extending solid-phase methods in inorganic synthesis: the first dinuclear platinum complex synthesised via the solid phase; *Chem. Commun.*, (2003), 634-635.
- 902 A.H. Velders, A.G. Quiroga, J.G. Haasnoot and J. Reedijk; Orientation- and temperature-dependent rotational behavior of imidazole ligands (L) in β -[Ru(azpy)₂(L)₂](PF₆)₂ complexes; *Eur. J. Inorg. Chem.*, (2003), 713-719.
- 903 S. Tanase, J.-C. Hierso, E. Bouwman, J. Reedijk, J. ter Borg, J.H. Bieleman and A. Schut; New insights on the anti-skinning effect of methyl ethyl ketoxime in alkyd paints; *New J. Chem.*, 27, (2003), 854-859.
- 904 M.S. Robillard, J.S. Leith, G.A. van der Marel, J.H. van Boom and J. Reedijk; Application of Gel-Phase 195Pt NMR Spectroscopy in a Novel Solid-Phase; Synthesis of a Primary Amine Dichloroplatinum(II) Complex; *Eur. J. Inorg. Chem.*, (2003), 1529-1532.
- 905 I.A. Koval, D. Pursche, A.F. Stassen, P. Gamez, B. Krebs and J. Reedijk; The Dicopper(II) Complex of the Novel Asymmetric Dinucleating Ligand Hpy3asym as a Structural Model of Catechol Oxidase; *Eur. J. Inorg. Chem.*, (2003), 1669-1674.
- 906 R.J. Heetebrij, M. de Kort, N. Meeuwenoord, H. den Dulk, G.A. van der Marel, J.H. van Boom and J. Reedijk; A versatile approach towards regioselective platinated DNA sequences; *Chem. Eur. J.*, 9, (2003), 1823-1827.
- 907 R. Damen, P.J. Nieuwenhuizen, J.G. Haasnoot, J. Reedijk, S.M. Couchman, J. Jeffery and J.A. McCleverty; Homogeneous zinc(II) catalysis in accelerated vulcanization: V. The prevailing mechanism of crosslink formation in mercaptobenzothiazole systems; *Rubber Chem. Technol.*, 76, (2003), 82-100.
- 908 C.J. Elsevier, J. Reedijk, P.H. Walton and M.D. Ward; Ligand design in coordination chemistry: approaches to new catalysts, new materials, and a more sustainable environment; *Dalton Trans.*, (2003), 1869-1880.
- 909 A. Mohamadou, G.A. van Albada, H. Kooijman, B. Wiczorek, A.L. Spek and J. Reedijk; The binding mode of the ambidentate ligand dicyanamide to transition metal ions can be tuned by bisimidazole ligands with H-bonding donor property at the rear side of the ligand; *New J. Chem.*, 27, (2003), 983-988.
- 910 A.C.G. Hotze, M. Bacac, A.H. Velders, B.A.J. Jansen, H. Kooijman, A.L. Spek, J.G. Haasnoot and J. Reedijk; New cytotoxic and water-soluble bis(2-phenylazopyridine)ruthenium(II) complexes; *J. Med. Chem.*, 46, (2003), 1743-1750.
- 911 A.F. Stassen, W.L. Driessen, J.G. Haasnoot and J. Reedijk; Structure and magnetic properties of the weak ferromagnet bis(1-(2-chloroethyl)-tetrazole)bis(nitrato)copper(II); *Inorg. Chim. Acta*, 350, (2003), 57-61.
- 912 A.F. Stassen, M. Grunert, E. Dova, M. Müller, P. Weinberger, G. Wiesinger, H. Schenk, W. Linert, J.G. Haasnoot and J. Reedijk; Magnetic, ⁵⁷Fe Mössbauer, and IR Monitoring of the Thermal Spin Transition in a New Family of Iron(II) Spin-Transition Complexes; *Eur. J. Inorg. Chem.*, (2003), 2273-2282.
- 913 S. Komeda, S. Bombard, S. Perrier, J. Reedijk and J. Kozelka; Kinetic study of azole-bridged dinuclear platinum(II) complexes reacting with a hairpin-stabilized double-stranded oligonucleotide; *J. Inorg. Biochem.*, 96, (2003), 357-366
- 914 P. Gamez, P. de Hoog, M. Lutz, A.L. Spek and J. Reedijk; Coordination compounds from 1,3,5-triazine-derived multidirectional ligands: application in oxidation catalysis; *Inorg. Chim. Acta*, 351, (2003), 319-325.
- 915 R.J. Heetebrij, E.G. Talman, M.A. van Velzen, R.P.M. van Gijlswijk, S.S. Snoeijers, M. Schalk, J. Wiegant, F. van de Rijke, R.M. Kerkhoven, A.K. Raap, H.J. Tanke, J. Reedijk and H.-J. Houthoff; Platinum(II)-based coordination compounds as nucleic acid labeling reagents: Synthesis, reactivity, and applications in hybridization assays; *ChemBioChem*, 4, (2003), 573-583.
- 916 L. Durán Pachón, P. Gamez, J.J.M. van Brussel and J. Reedijk; Zinc-catalyzed aminolysis of epoxides; *Tetrahed. Lett.* 44, (2003), 6025-6027.
- 917 M. Bouma, B. Nuijen, D.R. Stewart, K.F. Shannon, J.V. St John, J.R. Rice, R. Harms, B.A.J. Jansen, S. van Zutphen, J. Reedijk, A. Bult and J.H. Beijnen; Pharmaceutical quality control of the investigational polymer-conjugated platinum anticancer agent AP 5280; *PDA J. Pharm. Sci. Technol.*, 57, (2003), 198-207.
- 918 G. Aromi, P. Gamez, P.C. Berzal, W.L. Driessen and J. Reedijk; Two new bis-b-diketones as ligands for novel systems in supramolecular chemistry; *Synth. Commun.*, 33, (2003), 11-18.
- 919 W.L. Driessen, L. Chang, C. Finazzo, S. Gorter, D. Rehorst, J. Reedijk, M. Lutz and A.L. Spek; Two pyrazolato-bridged, linear trinuclear Cu(II) complexes. Crystal structures and magnetic properties; *Inorg. Chim. Acta*, 350, (2003), 25-31.

- 920 M.S. Robillard, N.P. Davies, G.A. van der Marel, J.H. van Boom, J. Reedijk and V. Murray; The interaction of peptide-tethered platinum(II) complexes with DNA; *J. Inorg. Biochem.*, 96, (2003), 331-338.
- 921 Y.F. Song, P. Gamez, O. Roubeau, M. Lutz, A.L. Spek and J. Reedijk; Structural and magnetic characterization of a linear trinuclear copper complex formed through ligand sharing; *Eur. J. Inorg. Chem.*, (2003), 2924-2928.
- 922 J.Z. Wu, E. Bouwman, J. Reedijk, A.M. Mills and A.L. Spek; A pyrazole-containing verdazyl radical ligand Meprv: structure of its precursor prvH₃ and its bis(2,2'-bipyridine)ruthenium(II) complex; *Inorg. Chim. Acta*, 351, (2003), 326-330.
- 923 J.Z. Wu, S. Tanase, E. Bouwman, J. Reedijk, A.M. Mills and A.L. Spek; Synthesis, structure and magnetic properties of a linear-chain manganese(II) complex [Mn(μ-Cl)₂(mppma)]_n, where mppma is N-(3-methoxypropyl)-N-(pyridin-2-ylmethyl)amine; *Inorg. Chim. Acta*, 351, (2003), 278-282.
- 924 S. Youngme, G.A. van Albada, N. Chaichit, P. Gunnasoot, P. Kongsaree, I. Mutikainen, O. Roubeau, J. Reedijk and U. Turpeinen; Synthesis, spectroscopic characterization, X-ray crystal structure and magnetic properties of oxalato-bridged copper(II) dinuclear complexes with di-2-pyridylamine; *Inorg. Chim. Acta*, 353, (2003), 119-128.
- 925 S. Moradell, J. Lorenzo, A. Rovira, M.S. Robillard, F.X. Aviles, V. Moreno, R. de Llorens, M.A. Martinez, J. Reedijk and A. Llobet; Platinum complexes of diaminocarboxylic acids and their ethyl ester derivatives: the effect of the chelate ring size on antitumor activity and interactions with GMP and DNA; *J. Inorg. Biochem.*, 96, (2003), 493-502.
- 926 A.F. Stassen, M. Grunert, A.M. Mills, A.L. Spek, J.G. Haasnoot, J. Reedijk and W. Linert; Linkage isomers of dibromobis(1-(2-methoxyethyl)tetrazole)-copper(II) containing either a bromide or a unique tetrazole bridge; *Dalton Trans.*, (2003), 3628-3633.
- 927 G.A. van Albada, I. Mutikainen, U. Turpeinen and J. Reedijk; Bis(2,2-bipyridine N,N'-dioxide-κ²O,O')bis(dicyanamido-κ^{N1})copper(II); *Acta Crystallogr. Sect. E-Struct. Rep. Online*, 59, (2003), M889-M891.
- 928 M. Bouma, B. Nuijen, R. Harms, J.R. Rice, D.P. Nowotnik, D.R. Stewart, B.A.J. Jansen, S. van Zutphen, J. Reedijk, M.J. van Steenberg, H. Talsma, A. Bult and J.H. Beijnen; Pharmaceutical development of a parenteral lyophilized formulation of the investigational polymer-conjugated platinum anticancer agent AP 5280; *Drug Dev. Ind. Pharm.*, 29, (2003) 981-995.
- 929 P. Gamez, I. Arends, J. Reedijk and R.A. Sheldon; Copper(II)-catalysed aerobic oxidation of primary alcohols to aldehydes; *Chem. Commun.*, (2003) 2414-2415.
- 930 A.C.G. Hotze, J.G. Haasnoot and J. Reedijk; In search for anticancer compounds; new bis(2-phenylazopyridine) ruthenium(II) complexes; *J. Inorg. Biochem.*, 96, (2003) 152-152.
- 931 A.M. Schuitema, P.G. Aubel, I.A. Koval, M. Engelen, W.L. Driessen, J. Reedijk, M. Lutz and A.L. Spek; Dinuclear copper(II) complexes of four new pyrazole-containing macrocyclic ligands are active catalysts in the oxidative coupling of 2,6-dimethylphenol; *Inorg. Chim. Acta*, 355, (2003) 374-385.
- 932 J. Reedijk; Kinetically-controlled metal binding to DNA: Inspiration for new antitumor drugs; *J. Inorg. Biochem.*, 96, (2003) 81-81.
- 933 S. Tanase, E. Bouwman, W.L. Driessen, J. Reedijk and R. de Gelder; A new di-μ-alkoxo-bridged dinuclear copper(II) complex of 1-(2-hydroxyethyl)-pyrazole. Synthesis, spectroscopic and magnetic properties and crystal structure; *Inorg. Chim. Acta*, 355, (2003) 458-461.
- 934 G.A. van Albada, O. Roubeau, I. Mutikainen, U. Turpeinen and J. Reedijk; A unique methoxo- and fluoro-bridged triangular trinuclear Cu(II) species linked in a lattice via mononuclear Cu(II) units. Synthesis, X-ray structure and magnetism of [Cu₄(2-aminopyrimidine)₆(μ₃-OCH₃)₂(μ-F)₃(F)₂](BF₄); *New J. Chem.*, 27, (2003), 1693-1697.
- 935 J. Kramer, E. Nöllen, W. Buijs, W.L. Driessen and J. Reedijk; Investigations into the recovery of Wilkinson's catalyst with silica-immobilised P-donor ligands; *Reactive & Functional Polymers*, 57, (2003), 1-11.
- 936 M. S. Robillard, M. Bacac, H. van den Elst, A. Flamigni, G. A. van der Marel, J. H. van Boom, J. Reedijk, Automated parallel solid-phase synthesis and anticancer screening of a library of peptide-tethered platinum(II) complexes, *J. Comb. Chem.* 5, (2003), 821-825.
- 937 G.A. van Albada, A. Mohamadou, J. Reedijk, H. Kooijman and A.L. Spek; Self-assembly of a Novel trans-Oxamidato-bridged Copper(II) Compound with a Neutral Oxamidate-Ester Ligand as a Spacer. Crystal Structure, Spectroscopy, and Magnetism of a Chain of Dinuclear Units; *Z. Anorg. Allg. Chem.*, 629, (2003), 2190-2194.
- 938 Y. Song, P. Gamez, A.F. Stassen, M. Lutz, A.L. Spek and J. Reedijk; Structure and magnetism of a new dodecanuclear Cu^{II} complex with acetato and imidazolato bridges, formed by oxidation of the chelating ligand 1,1,7,7-tetrakis(imidazol-2-yl)-2,6-diazahexane; *Eur. J. Inorg. Chem.*, (2003), 4073-4077.
- 939 W.L. Driessen, D. Rehorst, J. Reedijk, P. Mutikainen and U. Turpeinen; Copper(II) compounds of some Mannich-condensation amine-bis-imidazole ligands; *Inorg. Chim. Acta*, 355, (2003), 64-68.
- 940 G.V. Kalayda, S. Komeda, K. Ikeda, T. Sato, M. Chikuma and J. Reedijk; Synthesis, structure, and biological activity of new azine-bridged dinuclear platinum(II) complexes - a new class of anticancer compounds; *Eur. J. Inorg. Chem.*, (2003), 4347-4355.
- 941 G. Aromi, P. Gamez, H. Kooijman, A.L. Spek, W.L. Driessen and J. Reedijk; Two new dinuclear sterically crowded Cu^{II} complexes as catalyst precursors for the oxidative coupling of 2,6-dimethylphenol; *Eur. J. Inorg. Chem.*, (2003), 1394-1400.

2004 papers

- 942 G. Aromi, C. Boldron, P. Gamez, O. Roubeau, H. Kooijman, A.L. Spek, H. Stoeckli-Evans, J. Ribas and J. Reedijk; Complexes of a novel multinucleating poly-beta-diketonate ligand; *Dalton Trans.*, (2004), 3586-3592.
- 943 G. Aromi, J. Ribas, P. Gamez, O. Roubeau, H. Kooijman, A.L. Spek, S. Teat, E. MacLean, H. Stoeckli-Evans and J. Reedijk; Aggregation of [Cu₄^{II}] building blocks into [Cu₈^{II}] clusters or a [Cu₄^{II}] (infinity) chain through subtle chemical control; *Chem.-Eur. J.*, 10, (2004), 6476-6488.
- 944 M. Bacac, A.C.G. Hotze, K. van der Schilden, J.G. Haasnoot, S. Pacor, E. Alessio, G. Sava and J. Reedijk; The hydrolysis of the anti-cancer ruthenium complex NAMI-A affects its DNA binding and antimetastatic activity: an NMR evaluation; *J. Inorg. Biochem.*, 98, (2004), 402-412.
- 945 C. de Cires-Mejias, S. Tanase, J. Reedijk, F. Gonzalez-Vilchez, R. Vilaplana, A.M. Mills, H. Kooijman and A.L. Spek; Extended structures based on hydrogen bonding and II-II interactions: synthesis and characterization of two zinc complexes: Zn(dap)Cl₂ and Zn(dap)₂Cl₂; *Inorg. Chim. Acta*, 357, (2004), 1494-1498.
- 946 P. de Hoog, L. Durán Pachón, P. Gamez, M. Lutz, A.L. Spek and J. Reedijk; Solution-stable trinuclear zinc(II) cluster from 4-methyl-2-N-(2-pyridylmethylene)aminophenol (HPyrimol);

- Dalton Trans.* (2004), 2614-2615.
- 947 P. de Hoog, P. Gamez, M. Luken, O. Roubeau, B. Krebs and J. Reedijk; Hexanuclear copper(II) complex of a novel poly(pyridine) ligand exhibiting unique long distance ferromagnetic interactions through a nitrate-O,O' bridge; *Inorg. Chim. Acta*, 357, (2004), 213-218.
- 948 P. de Hoog, P. Gamez, I. Mutikainen, U. Turpeinen and J. Reedijk; An Aromatic Anion Receptor: Anion-Interactions do Exist; *Angew. Chem. Int. Ed.*, 43, (2004), 5815-5817.
- 949 L. Durán Pachón, A. Golobic, B. Kozlevcar, P. Gamez, H. Kooijman, A.L. Spek and J. Reedijk; Intramolecular oxidation of the ligand 4-methyl-2-N-(2-pyridylmethyl)aminophenol (Hpyramol) upon coordination with iron(II) chloride and manganese(II) perchlorate; *Inorg. Chim. Acta*, 357, (2004), 3697-3702.
- 950 P. Gamez, I.W.C.E. Arends, R.A. Sheldon and J. Reedijk; Room Temperature Aerobic Copper-Catalysed Selective Oxidation of Primary Alcohols to Aldehydes; *Adv. Synth. Catal.*, 346, (2004), 805-811.
- 951 P. Gamez, I.A. Koval and J. Reedijk; Bio-mimicking galactose oxidase and hemocyanin, two dioxygen-processing copper proteins; *Dalton Trans.*, (2004), 4079-4088.
- 952 M.W. Glenny, L.G.A. van de Water, W.L. Driessen, J. Reedijk, A.J. Blake, C. Wilson and M. Schroder; Conformational and stereochemical. exibility in cadmium(II) complexes of aza-thioether macrocycles; *Dalton Trans.*, (2004), 1953-1959.
- 953 S.J.A. Guieu, A.M.M. Lanfredi, C. Massera, L.D. Pachon, P. Gamez and J. Reedijk; New N,O-containing ligands for the biomimetic copper-catalyzed polymerization of 2,6-dimethylphenol; *Catal. Today*, 96, (2004), 259-264.
- 954 A.C.G. Hotze, S.E. Caspers, D. de Vos, H. Kooijman, A.L. Spek, A. Flamigni, M. Bacac, G. Sava, J.G. Haasnoot and J. Reedijk; Structure-dependent in vitro cytotoxicity of the isomeric complexes [Ru(L)₂Cl₂] (L= *o*-tolylazopyridine and 4-methyl-2-phenylazopyridine) in comparison to [Ru(azpy)₂Cl₂]; *J. Biol. Inorg. Chem.*, 9, (2004), 354-364.
- 955 A.C.G. Hotze, H. Kooijman, A.L. Spek, J.G. Haasnoot and J. Reedijk; Synthesis and characterization of ruthenium(II) complexes with the new ligand 2-phenylazopyridine-5-sulfonic acid (Hsazpy): in search for new anticancer agents; *New J. Chem.*, 28, (2004), 565-569.
- 956 A.C.G. Hotze, E.P.L. van der Geer, S.E. Caspers, H. Kooijman, A.L. Spek, J.G. Haasnoot and J. Reedijk; Coordination of 9-ethylguanine to the mixed-ligand compound □-Ru(azpy)(bpy)Cl₂ (azpy=2-phenylazopyridine and bpy=2,2'-bipyridine). An unprecedented ligand positional shift, correlated to the cytotoxicity of this type of RuL₂Cl₂ (with L = azpy or bpy) complex; *Inorg. Chem.*, 43, (2004), 4935-4943.
- 957 B.A.J. Jansen, P. Wielaard, G.V. Kalayda, M. Ferrari, C. Molenaar, H.J. Tanke, J. Brouwer and J. Reedijk; Dinuclear platinum complexes with N,N'-bis(aminoalkyl)-1,4-diaminoanthraquinones as linking ligands. Part I. Synthesis, cytotoxicity, and cellular studies in A2780 human ovarian carcinoma cells; *J. Biol. Inorg. Chem.*, 9, (2004), 403-413.
- 958 G.V. Kalayda, B.A.J. Jansen, C. Molenaar, P. Wielaard, H.J. Tanke and J. Reedijk; Dinuclear platinum complexes with N,N'-bis(aminoalkyl)-1,4-diaminoanthraquinones as linking ligands. Part II. Cellular processing in A2780 cisplatin-resistant human ovarian carcinoma cells: new insights into the mechanism of resistance; *J. Biol. Inorg. Chem.*, 9, (2004), 414-422.
- 959 R. Kannappan, S. Tanase, D.M. Tooke, A.L. Spek, I. Mutikainen, U. Turpeinen and J. Reedijk; Separation of actinides and lanthanides: crystal and molecular structures of N,N'-bis(3,5-di-*t*-butylsalicylidene)-4,5-dimethyl-1,2-phenylenediamine and its uranium complex; *Polyhedron*, 23, (2004), 2285-2291.
- 960 S. Kameda, H. Yamane, M. Chikuma and J. Reedijk; A Kinetic Study on the Reactions of Azolato-Bridged Dinuclear Platinum(II) Complexes with Guanosine 5'-Monophosphate; *Eur. J. Inorg. Chem.*, (2004), 4828-4835.
- 961 H. Kooijman, A.C.G. Hotze, S.E. Caspers, J.G. Haasnoot, J. Reedijk and A.L. Spek; □-dichlorobis(2-phenylazo-4,6-dimethylpyridine)ruthenium(II) chloroform solvate; *Acta Crystallogr. Sect. E-Struct. Rep. Online*, 60, (2004), M247-M249.
- 962 H. Kooijman, A.L. Spek, G.A. van Albada, P. Gamez and J. Reedijk; Bis[bis(pyrimidin-2-yl-κN)amine](dicyanamido-κN¹)(trifluoromethanesulfonato-κO)copper(II) ethanol hemisolvate forms a hydrogen-bonded chain; *Acta Crystallogr. Sect. C-Cryst. Struct. Commun.*, 60, (2004), M51-M54.
- 963 I.A. Koval, P. Gamez, O. Roubeau, W.L. Driessen, M. Lutz, A.L. Spek and J. Reedijk; Corrigendum to: Century-known copper salt Cu(OAc)(OMe) proven to be a unique magnetic lattice composed of tetranuclear copper(II) species with a rare binding mode of the acetate anion (vol 42, pg 868, 2003); *Inorg. Chem.*, 43, (2004), 392-392.
- 964 I.A. Koval, M. Huisman, A.F. Stassen, P. Gamez, M. Lutz, A.L. Spek, D. Pursche, B. Krebs and J. Reedijk; New dinuclear Co(II) and Mn(II) complexes of the phenol-based compartmental ligand containing formyl and amine functions: structural, spectroscopic and magnetic properties; *Inorg. Chim. Acta*, 357, (2004), 294-300.
- 965 I.A. Koval, M. Huisman, A.F. Stassen, P. Gamez, M. Lutz, A.L. Spek and J. Reedijk; Unusual Cu^{II} and Mn^{II} complexes of phenol-based ligands containing amine, pyridine and formyl functions: Unexpected structural features and solution studies; *Eur. J. Inorg. Chem.*, (2004), 591-600.
- 966 I.A. Koval, M. Huisman, A.F. Stassen, P. Gamez, O. Roubeau, C. Belle, J.-L. Pierre, E. Saint-Aman, M. Lüken, B. Krebs, M. Lutz, A.L. Spek and J. Reedijk; Dinuclear Cu^{II} Complexes with a New Phenol-Based Ligand Bearing Pyridine and Thiophene Substituents: Synthesis, Characterization and Interaction with Catechol Substrates; *Eur. J. Inorg. Chem.*, (2004), 4036-4045.
- 967 J. Kramer, W.L. Driessen, K.R. Koch and J. Reedijk; Highly selective and efficient recovery of Pd, Pt, and Rh from precious metal-containing industrial effluents with silica-based (poly)amine ion exchangers; *Sep. Sci. Technol.*, 39, (2004), 63-75.
- 968 B. Kozlevcar, I. Leban, M. Petric, S. Petricek, O. Roubeau, J. Reedijk and P. Segedin; Phase transitions and antiferromagnetism in copper(II) hexanoates: a new tetranuclear type of copper carboxylate paddle-wheel association; *Inorg. Chim. Acta*, 357, (2004), 4220-4230.
- 969 I. Meistermann, G.V. Kalayda, A.C.G. Hotze and J. Reedijk; Preparation of a new ruthenium(II) building block for the synthesis of mixed-metal complexes; *Tetrahedron Lett.*, 45, (2004), 2593-2596.
- 970 A.M. Mills, J.Z. Wu, E. Bouwman, J. Reedijk and A.L. Spek; (1,5-Dimethyl-6-oxo-1,2,4,5-tetrazinan-3-yl)imidazolium chloride; *Acta Cryst.*, E60, (2004), o2482-o2484.
- 971 A.M. Mills, J.Z. Wu, E. Bouwman, J. Reedijk and A.L. Spek; 1,5-Dimethyl-1,2,4,5-tetrazinane-3,6-dione; *Acta Cryst.*, E60, (2004), o2485-o2487.
- 972 A. Mohamadou, G.A. van Albada, W.L. Driessen, R. de Gelder and J. Reedijk; Crystal structures, spectroscopy and EPR of two distortion isomers of Cu(II) perchlorate with 2,2'-biimidazole; *Polyhedron*, 23, (2004), 1969-1973.
- 973 A. Mohamadou, G.A. van Albada, A.M. Mills, A.L. Spek and J. Reedijk; Synthesis, crystal structure, and spectroscopy of

- (azido-N1)bis(2,2'-bi-imidazoline)copper(II) perchlorate; *J. Chem. Crystallogr.*, *34*, (2004), 233-238.
- 974 S. Moradell, J. Lorenzo, A. Rovira, S. van Zutphen, F.X. Avilés, V. Moreno, R. de Llorens, M. Angeles Martinez, J. Reedijk and A. Llobet; Water-soluble platinum(II) complexes of diamine chelating ligands bearing amino-acid type substituents: the effect of the linked amino acid and the diamine chelate ring size on antitumor activity, and interactions with 5'-GMP and DNA; *J. Inorg. Biochem.*, *98*, (2004), 1933-1946.
- 975 J. Reedijk. (2004). Macromolecular Metal Complexes in Biological Systems. In *Macromolecular Nanostructured Materials*, N. Ueyama and A. Harada, eds.: Springer, pp. 244-257.
- 976 O. Roubeau, P.C.M. Gubbens, D. Visser, M. Blaauw, P.D. de Reotier, A. Yaouanc, J.G. Haasnoot, J. Reedijk, S. Sakarya, U.A. Jayasooriya, S.P. Cottrell and P.J.C. King; Observation of the spin-crossover in $\text{Fe}(\text{btr})_2(\text{NCS})_2 \cdot \text{H}_2\text{O}$ ($\text{btr}=4,4'$ -bis-1,2,4-triazole) with μSR ; *Chem. Phys. Lett.*, *395*, (2004), 177-181.
- 977 Y. Song, C. Massera, P. Gamez, A.M. Manotti Lanfredi and J. Reedijk; Stabilization of a Copper(II) Complex by Hydrogen Bonds between the Axial Tetrafluoroborate Anion and the Ammonium Group from the Coordinated Cationic Ligand Bis(imidazol-2-yl)methyl(isopropyl)ammonium; *Eur. J. Inorg. Chem.*, (2004), 3025-3029.
- 978 Y.F. Song, I.A. Koval, P. Gamez, G.A. van Albada, I. Mutikainen, U. Turpeinen and J. Reedijk; Solution studies and structure of a dinuclear-based double-stranded helicate of $\text{Cu}_2(p\text{-xysal})_2$ ($\text{H}_2p\text{-xysal} = \text{bis}(\text{hydroxylbenzyl})\text{diaminoxylene}$); *Polyhedron*, *23*, (2004), 1769-1775.
- 979 Y.F. Song, C. Massera, O. Roubeau, P. Gamez, A.M.M. Lanfredi and J. Reedijk; An unusual open cubane structure in a $\mu(1,1)$ -azido- and alkoxo-bridged tetranuclear copper(II) complex, $\text{Cu}_4\text{L}_2(\mu(1,1)\text{-N}_3)_2 \cdot 5\text{H}_2\text{O}$ ($\text{H}_3\text{L} = \text{N,N}'\text{-}(2\text{-hydroxylpropane-1,3-diyl})\text{bis-salicylideneimine}$); *Inorg. Chem.*, *43*, (2004), 6842-6847.
- 980 Y. Song, C. Massera, M. Quesada, I.A. Koval, P. Gamez, A.M. Manotti Lanfredi and J. Reedijk; A New Trinuclear Linear Copper(II) Complex: Unusual Crystal Structure with Semi-Coordinated Thiophene Moieties and Weak Antiferromagnetic Coupling Through the Bridging Imidazolate Rings; *Eur. J. Inorg. Chem.*, (2004), 4566-4571.
- 981 S. Tanase, E. Bouwman and J. Reedijk; Role of additives in cobalt-mediated oxidative crosslinking of alkyd resins; *Appl. Catal. A-Gen.*, *259*, (2004), 101-107.
- 982 S. Tanase, E. Bouwman, J. Reedijk, W.L. Driessen, M. Ferbinteanu, M. Huber, A.M. Mills and A.L. Spek; Synthesis and structural studies of two new base adducts of bis(2,4-pentanedionato)cobalt(II); *Eur. J. Inorg. Chem.*, (2004), 1963-1969.
- 983 S. Tanase, E. Bouwman, G.J. Long, A.M. Shahin, A.M. Mills, A.L. Spek and J. Reedijk; Acid-Base Self-Assembly Chemistry and Hydrogen Bonding Interactions Resulting in the Formation of a Tetranuclear Aggregate Containing Four Crystallographically Non-Equivalent Fe^{III} Centers; *Eur. J. Inorg. Chem.*, (2004), 4572-4578.
- 984 D.M. Tooke, A.L. Spek, J. Reedijk and R. Kannappan; (2-pyridylmethyl)ammonium nitrate; *Acta Crystallogr. Sect. E-Struct Rep. Online*, *60*, (2004), O911-O912.
- 985 D.M. Tooke, Y.F. Song, G.A. van Albada, J. Reedijk and A.L. Spek; 1,4-Bis(3,5-di-tert-butyl-2-hydroxybenzylideneaminomethyl)benzene; *Acta Crystallogr. Sect. E-Struct Rep. Online*, *60*, (2004), O1907-O1908.
- 986 R.A. Tromp, S. van Boom, C.M. Timmers, S. van Zutphen, G.A. van der Marel, H.S. Overkleef, J.H. van Boom and J. Reedijk; The β -glucuronyl-based prodrug strategy allows for its application on β -glucuronyl-platinum conjugates; *Bioorg. Med. Chem. Lett.*, *14*, (2004), 4273-4276.
- 987 G.A. van Albada, A. Mohamadou, I. Mutikainen, U. Turpeinen and J. Reedijk; Diazidobis(2,2'-biimidazoline)nickel(II); *Acta Cryst.*, *E60*, (2004), m237-m238.
- 988 G.A. van Albada, A. Mohamadou, I. Mutikainen, U. Turpeinen and J. Reedijk; catena-Poly[[[(ethylenediamine- κ^2 N,N')zinc(II)]- μ -oxalato] dihydrate]; *Acta Cryst. E60*, (2004), m1160-m1162.
- 989 G.A. van Albada, A. Mohamadou, I. Mutikainen, U. Turpeinen and J. Reedijk; Synthesis, characterisation, properties and X-ray structures of Cu^{II} coordination compounds with 5,5'-dimethylbipyridine and various anions: control of stoichiometry and structure by the counterions; *Eur. J. Inorg. Chem.*, (2004), 3733-3742.
- 990 G.A. van Albada, I. Mutikainen, U. Turpeinen and J. Reedijk; Synthesis, spectroscopy, crystal structure and magnetism of tetrakis(2-aminopyrimidine)bis(μ -methoxy)bis(perchlorato)-dicopper(II): a rare case of distortion isomerism; *Polyhedron*, *23*, (2004), 993-998.
- 991 G.A. van Albada, I. Mutikainen, U. Turpeinen and J. Reedijk; Structure, characterization, and EPR of a novel $\text{Cu}(\text{II})$ compound with 4-aminopyrimidine. A compound with a very high lattice symmetry; *J. Chem. Crystallogr.*, *34*, (2004), 613-616.
- 992 G.A. van Albada, O. Roubeau, P. Gamez, H. Kooijman, A.L. Spek and J. Reedijk; Asymmetric chlorine-bridged zig-zag $\text{Cu}(\text{II})$ chains linked together in 2D sheets by strong Watson-Crick type intermolecular double hydrogen bonds of bis(pyrimidin-2-yl)amine ligands: synthesis, structure and antiferromagnetism; *Inorg. Chim. Acta*, *357*, (2004), 4522-4527.
- 993 G.A. van Albada, A. Mohamadou, A.M.M. Lanfredi, P. Mutikainen, U. Turpeinen, F. Ugozzoli and J. Reedijk; Partial and gradual hydrolysis of 2,2'-biimidazoline upon coordination to metal ions, yielding new chelating ligands - Synthesis, characterization and X-ray structure of two examples with cobalt(III) and copper(II); *Z. Anorg. Allg. Chem.*, *630*, (2004), 1594-1598.
- 994 G.A. van Albada, A. Mohamadou, W.L. Driessen, R. de Gelder, S. Tanase and J. Reedijk; A dinuclear Mn(II) chloro-bridged compound with a weak ferromagnetic Mn-Mn interaction. Synthesis, structure, EPR and magnetism of $[\text{Mn}(\mu\text{-Cl})(2,2'\text{-biimidazoline})_2]_2\text{Cl}_2$; *Polyhedron*, *23*, (2004), 2387-2391.
- 995 K. van der Schilden, F. Garcia, H. Kooijman, A.L. Spek, J.G. Haasnoot and J. Reedijk; A Highly Flexible Dinuclear Ruthenium(II)-Platinum(II) Complex: Crystal Structure and Binding to 9-Ethylguanine; *Angew. Chem. Int. Ed.*, *43*, (2004), 5668-5670.
- 996 R. van Gorkum, E. Bouwman and J. Reedijk; Fast autoxidation of ethyl linoleate catalyzed by $[\text{Mn}(\text{acac})_3]$ and bipyridine: A possible drying catalyst for alkyd paints; *Inorg. Chem.*, *43*, (2004), 2456-2458.
- 997 R. van Gorkum, E. Bouwman and J. Reedijk. (2004). Drier for alkyd based coating; Pat. Appl. 02077904.7 EP 1 682 648 A1 (The Netherlands).
- 998 A.H. Velders, K. van der Schilden, A.C.G. Hotze, J. Reedijk, H. Kooijman and A.L. Spek; Dichlorobis(2-phenylazopyridine)ruthenium(II) complexes: characterisation, spectroscopic and structural properties of four isomers; *Dalton Trans.*, (2004), 448-455.
- 999 F. Weldon, L. Hammarstrom, E. Mukhtar, R. Hage, E. Gunneweg, J.G. Haasnoot, J. Reedijk, W.R. Browne, A.L. Guckian and J.G. Vos; Energy transfer pathways in dinuclear heteroleptic polypyridyl complexes: Through-space vs through-

- bond interaction mechanisms; *Inorg. Chem.*, *43*, (2004), 4471-4481.
- 1000 J.Z. Wu, E. Bouwman, A.M. Mills, A.L. Spek and J. Reedijk; Manganese(II) complexes of a set of 2-aminomethylpyridine-derived ligands bearing a methoxyalkyl arm: syntheses, structures and magnetism; *Inorg. Chim. Acta*, *357*, (2004), 2694-2702.
- 1001 J.Z. Wu, E. Bouwman and J. Reedijk; Chelating ligands as powerful additives to manganese driers for solvent-borne and water-borne alkyd paints; *Prog. Org. Coat.*, *49*, (2004), 103-108.
- 1002 S. Youngme, C. Chailuecha, G.A. van Albada, C. Pakawatchai, N. Chaichit and J. Reedijk; Synthesis, crystal structure, spectroscopic and magnetic properties of doubly and triply bridged dinuclear copper(II) compounds containing di-2-pyridylamine as a ligand; *Inorg. Chim. Acta*, *357*, (2004), 2532-2542.
- 1003 S. Youngme, P. Phuengphai, N. Chaichit, C. Pakawatchai, G.A. van Albada, O. Roubeau and J. Reedijk; The coordination chemistry of mono(di-2-pyridylamine) copper(II) complexes with monovalent and divalent oxoanions: crystal structure, spectroscopic and magnetic properties of dinuclear $[\text{Cu}(\text{L})(\mu\text{-H}_2\text{PO}_4)(\text{H}_2\text{PO}_4)]_2$ and polynuclear $[\text{Cu}(\text{L})(\mu_3\text{-HPO}_4)]_n$; *Inorg. Chim. Acta*, *357*, (2004), 3603-3612.
- 1004 B. Zurowska, J. Ochocki, J. Mrozinski, Z. Ciunik and J. Reedijk; Synthesis, spectroscopic and magnetostuctural evidence for the formation of Cu(II) complexes of pyridyl-2-carboxylate (2-pca) and quinolyl-2-carboxylate (2-qca) as a result of a novel oxidative P-dealkylation reaction of diethyl 2-pyridylmethylphosphonate (2-pmpe) and diethyl 2-quinolylmethylphosphonate (2-qmpe) ligands; *Inorg. Chim. Acta*, *357*, (2004), 755-763.
- Papers in 2005:**
- 1005 C. Boldron, G. Aromi, G. Challa, P. Gamez and J. Reedijk; Selective oxidative para C-C dimerization of 2,6-dimethylphenol; *Chem. Commun.*, (2005), 5808-5810
- 1006 C. Boldron, P. Gamez, D.M. Tooke, A.L. Spek and J. Reedijk; Copper-mediated selective oxidation of a C-H bond; *Angew. Chem.-Int. Edit.*, *44*, (2005), 3585-3587.
- 1007 C. Boldron, S. Özalp-Yaman, P. Gamez, D.M. Tooke, A.L. Spek and J. Reedijk; Selective copper(II)-mediated oxidative coupling of a nucleophilic reagent to the para-methyl group of 2,4,6-trimethylphenol; *Dalton Trans.*, (2005), 3535-3541.
- 1008 E. Bouwman and J. Reedijk; Structural and functional models related to the nickel hydrogenases; *Coord. Chem. Rev.*, *249*, (2005) 1555-1581.
- 1009 H. Casellas, C. Massera, P. Gamez, A.M.M. Lanfredi and J. Reedijk; N-Donor ligand coordination polymers of Cu^{II} , Zn^{II} , and Cd^{II} obtained at elevated temperature and pressure; *Eur. J. Inorg. Chem.*, (2005) 2902-2908.
- 1010 H. Casellas, A. Pevec, B. Kozlevcar, P. Gamez and J. Reedijk; Bis(2,2'-dipyridylamine)dimethanolcopper(II) hexafluorosilicate; *Acta Crystallogr. Sect. E.-Struct. Rep. Online*, *61*, (2005), M1120-M1122.
- 1011 H. Casellas, A. Pevec, B. Kozlevcar, P. Gamez and J. Reedijk; An unprecedented $\mu_4\text{-SiF}_6^{2-}$ -bridged supramolecular polymer consisting of bis- $\mu\text{-F}^-$ -bridged dinuclear Cu(II) dications; *Polyhedron*, *24*, (2005), 1549-1554.
- 1012 H. Casellas, P. Gamez, J. Reedijk, I. Mutikainen, U. Turpeinen, N. Masciocchi, S. Galli and A. Sironi; Moisture-triggered 1,3,5-triazine-based CuII molecular switch: A combined X-ray single-crystal and powder diffraction study; *Inorg. Chem.*, *44*, (2005), 7918-7924.
- 1013 W.L. Driessen, D. Rehorst, J. Reedijk, I. Mutikainen and U. Turpeinen; Copper(II) compounds of some rigid dinucleating bis-amine-bis-imidazole ligands; *Inorg. Chim. Acta*, *358*, (2005), 2167-2173.
- 1014 P.N. Gaponik, S.V. Voitekovich, A.S. Lyakhov, V.E. Mlatulis, O.A. Ivashkevich, M. Quesada and J. Reedijk; Crystal structure and physical properties of the new 2D polymeric compound bis(1,5-diaminotetrazole)dichlorocopper(II); *Inorg. Chim. Acta*, *358*, (2005), 2549-2557.
- 1015 P.N. Gaponik, M.M. Degtyarik, A.S. Lyakhov, V.E. Mlatulis, O.A. Ivashkevich, M. Quesada and J. Reedijk; Bis(2-methyltetrazole)dichlorocopper(II) is a layered coordination polymer built from dinuclear chloro-bridged - Cu units linked by bridging tetrazoles. The first structurally and magnetically characterized complex of 2-mono substituted tetrazoles; *Inorg. Chim. Acta*, *358*, (2005), 3949-3957.
- 1016 P. Gamez, G.A. van Albada, I. Mutikainen, U. Turpeinen and J. Reedijk; Crystal packing driven by metal-ligand interactions, hydrogen bonds, $\pi\text{-}\pi$ stacking and anion- π stacking; *Inorg. Chim. Acta*, *358*, (2005), 1975-1980.
- 1017 A.C.G. Hotze, E.P.L. van der Geer, H. Kooijman, A.L. Spek, J.G. Haasnoot and J. Reedijk; Characterization by NMR spectroscopy, X-ray analysis and cytotoxic activity of the ruthenium(II) compounds $[\text{RuL}_3](\text{PF}_6)_2$ ($\text{L} = 2\text{-phenylazopyridine}$ or $o\text{-tolylazopyridine}$) and $[\text{RuL}'_2\text{L}''](\text{PF}_6)_2$ (L' , $\text{L}'' = 2\text{-phenylazopyridine}$, $2,2'\text{-bipyridine}$); *Eur. J. Inorg. Chem.*, (2005) 2648-2657.
- 1018 C. Jocher, T. Pape, W.W. Seidel, P. Gamez, J. Reedijk and F.E. Hahn; Catechol oxidation with dinuclear copper complexes of aliphatic tripodal amino alcohols; *Eur. J. Inorg. Chem.*, (2005) 4914-4923.
- 1019 G.V. Kalayda, B.A.J. Jansen, P. Wielaard, H.J. Tanke and J. Reedijk; Dinuclear platinum anticancer complexes with fluorescent N,N'-bis(aminoalkyl)-1,4-diaminoanthraquinones: cellular processing in two cisplatin-resistant cell lines reflects the differences in their resistance profiles; *J. Biol. Inorg. Chem.*, *10*, (2005), 305-315.
- 1020 G.V. Kalayda, G.F. Zhang, T. Abraham, H.J. Tanke and J. Reedijk; Application of fluorescence microscopy for investigation of cellular distribution of dinuclear platinum anticancer drugs; *J. Med. Chem.*, *48*, (2005) 5191-5202.
- 1021 R. Kannappan, S. Tanase, I. Mutikainen, U. Turpeinen and J. Reedijk; Square-planar copper(II) halide complexes of tridentate ligands with $\pi\text{-}\pi$ stacking interactions and alternating short and long Cu...Cu distances; *Inorg. Chim. Acta*, *358*, (2005), 383-388.
- 1022 R. Kannappan, D.M. Tooke, A.L. Spek and J. Reedijk; An alternating chain of spider-like tris(peptides) stabilized by stacking and by N-H...N and N-H...O=C hydrogen bonding; *J. Mol. Struct.*, *751*, (2005) 55-59.
- 1023 K. Karidi, A. Garoufis, N. Hadjiliadis and J. Reedijk; Solid-phase synthesis, characterization and DNA binding properties of the first chloro(polypyridyl)ruthenium conjugated peptide complex; *Dalton Trans.*, (2005), 728-734.
- 1024 K. Karidi, A. Garoufis, A. Tsipis, N. Hadjiliadis, H. den Dulk and J. Reedijk; Synthesis, characterization, in vitro antitumor activity, DNA-binding properties and electronic structure (DFT) of the new complex *cis*-(Cl,Cl) $[\text{Ru}^{\text{II}}\text{Cl}_2(\text{NO}^*)(\text{terpy})]\text{Cl}$; *Dalton Trans.*, (2005), 1176-1187.
- 1025 H. Kooijman, M. van Son, S. Tanase, E. Bouwman, J. Reedijk and A.L. Spek; $\mu\text{-Oxo-bis}\{\text{chloro N-(2-methoxyethyl)-N,N-bis(pyridin-2-ylmethyl)amine-}\kappa^4\text{-N,N,N',N',O iron(III)bis(trifluoromethanesulfonate) acetonitrile disolvate}$; *Acta Crystallogr. Sect. E.-Struct. Rep. Online*, *61*, (2005), M1042-M1044.

- 1026 I.A. Koval, C. Belle, K. Selmecci, C. Philouze, E. Saint-Aman, A.M. Schuitema, P. Gamez, J.L. Pierre and J. Reedijk; Catecholase activity of a μ -hydroxodicopper(II) macrocyclic complex: structures, intermediates and reaction mechanism; *J. Biol. Inorg. Chem.*, 10, (2005), 739-750
- 1027 I.A. Koval, K. van der Schilden, A.M. Schuitema, P. Gamez, C. Belle, J.L. Pierre, M. Luken, B. Krebs, O. Roubeau and J. Reedijk; Proton NMR spectroscopy and magnetic properties of a solution-stable dicopper(II) complex bearing a single μ -hydroxo bridge; *Inorg. Chem.*, 44, (2005), 4372-4382.
- 1028 B. Kozlevcar, A. Golobic, P. Gamez, I.A. Koval, W.L. Driessen and J. Reedijk; A tridentate bis(pyrazolyl) ligand binds to Cu(II), without using the pyrazole group: a very unusual coordination mode of the ligand Hbdmpb, 1,3-bis(3,5-dimethylpyrazol-1-yl)-2-butanolic acid; *Inorg. Chim. Acta*, 358, (2005), 1135-1140.
- 1029 B. Kozlevcar, I. Leban, M. Petric, S.A. Petricek, O. Roubeau, J. Reedijk and P. Segedin; Phase transitions and antiferromagnetism in copper(II) hexanoates: A new tetranuclear type (corrigendum to: vol 357, pg 4220, 2004); *Inorg. Chim. Acta*, 358, (2005), 4105-4105.
- 1030 F. Micciche, M.A. van Straten, W. Ming, E. Oostveen, J. van Haveren, R. van der Linde and J. Reedijk; Identification of mixed-valence metal clusters in drier solutions for alkyd-based paints by electrospray ionization mass spectrometry (ESI-MS); *J. Mass. Spectrom.*, 246, (2005), 80-83.
- 1031 U.M. Palanisamy; A $\text{Na}_2\text{WO}_4/\text{H}_2\text{WO}_4$ -Based Highly Efficient Biphasic Catalyst towards Alkene Epoxidation, using Dihydrogen Peroxide as Oxidant; *Adv. Synth. Catal.*, 347, (2005), 1759-1764.
- 1032 J. Reedijk; Dioxygen Surprises; *Science*, 308, (2005), 1876-1877.
- 1033 J. Reedijk. Mechanistic studies of Pt and Ru compounds with antitumor properties. In Symposium Series No. 903 Medicinal Inorganic Chemistry, J. L. Sessler, S. R. Doctrow, T. J. McMurry and S. J. Lippard, eds. (Washington DC: American Chemical Society, (2005), pp. 80-109
- 1034 M.S. Robillard, S. van Alphen, N.J. Meeuwenoord, B.A.J. Jansen, G.A. van der Marel, J.H. van Boom and J. Reedijk; Solid-phase synthesis of peptide-platinum complexes using platinum-chelating building blocks derived from amino acids; *New J. Chem.*, 29, (2005), 220-225.
- 1035 M.S. Robillard and J. Reedijk. (2005). Platinum-based Anticancer Drugs. In: *Encyclopedia of Inorganic Chemistry*, R. B. King, ed.: John Wiley & Sons), Vol. 7, pp. 4488-4498.
- 1036 Y.F. Song, C. Massera, O. Roubeau, A.M. Manotti Lanfredi and J. Reedijk; Chloro-bridged Cu(II) pairs linked into a 1D coordination polymer through a dinucleating imidazole-based ligand: 3D structure and magnetism; *Polyhedron*, 24, (2005) 1599-1605.
- 1037 Y.F. Song, C. Massera, M. Quesada, A.M. Manotti Lanfredi, I. Mutikainen, U. Turpeinen and J. Reedijk; A one-dimensional copper (II) coordination polymer $[\text{Cu}_3(\text{ampym})_2(\mu_{1,1}-\text{N}_3)_4(\mu_{1,3}-\text{N}_3)_2(\text{dmf})_2]_n$ (ampym = 2-aminopyrimidine) containing both end-on and end-to-end azido bridges; *Inorg. Chim. Acta*, 358, (2005), 1171-1178.
- 1038 Y.F. Song, P. Gamez, O. Roubeau, P. Mutikainen, U. Turpeinen and J. Reedijk; Structure and magnetism of two new linear trinuclear copper(II) clusters obtained from the tetradentate N_2O_2 ligand bis(2-hydroxybenzyl)-1,3-diaminopropane; *Inorg. Chim. Acta*, 358, (2005), 109-115.
- 1039 Y.F. Song, C. Massera, G.A. van Albada, A.M.M. Lanfredi and J. Reedijk; Synthesis, structural characterisation and solvatochromism of a Ni(II) and a Co(II) compound with 2-aminopyrimidine as a ligand; *J. Mol. Struct.*, 734, (2005), 83-88.
- 1040 Y.F. Song, G.A. van Albada, M. Quesada, I. Mutikainen, U. Turpeinen and J. Reedijk; A new linear trinuclear Cu(II) complex $[\text{Cu}_3\text{L}_2(\text{MeCN})_2]_n(\text{MeCN})_2$ with semi-coordinated iodides formed through ligand sharing ($\text{H}_2\text{L} = 1,7$ -bis(2-hydroxyphenyl)-2,6-diaza-4-hydroxyl-heptane); *Inorg. Chem. Commun.*, 8, (2005), 975-978.
- 1041 A.L. Spek, D.M. Tooke, A. Garza-Ortiz and J. Reedijk; Non-merohedrally twinned mer-trichloro(dimethyl sulfoxide-kappa S)(1,10-phenanthroline)ruthenium(III) chloroform solvate, with $Z' = 6$; *Acta Crystallogr. Sect. E.-Struct. Rep. Online*, 61, (2005), M2428-M2430.
- 1042 S. Tanase, G. Aromi, E. Bouwman, H. Kooijman, A.L. Spek and J. Reedijk; New routes to manganese higher-nuclearity topologies: synthesis of the cluster $[\text{Mn}_6(\mu_4\text{-O})(\text{pnpz})_6(\text{thf})_6]$; *Chem. Commun.*, (2005) 3147-3149.
- 1043 S. Tanase, E. Bouwman, G.J. Long, A.M. Shahin, R. de Gelder, A.M. Mills, A.L. Spek and J. Reedijk; Bis(μ -alkoxo)-bridged dinuclear iron(III) complexes of pyrazole-based ligands as models for iron-oxo proteins; *Polyhedron*, 24, (2005), 41-48.
- 1044 S. Tanase, C. Foltz, R. de Gelder, R. Hage, E. Bouwman and J. Reedijk; Control of the catalytic oxidations mediated by an oxo-bridged non-heme diiron complex: role of additives and reaction conditions; *J. Mol. Catal. A-Chem.*, 225, (2005), 161-167.
- 1045 S. Tanase, P.M. Gallego, E. Bouwman, R. de Gelder and J. Reedijk; A new polymeric copper(II) complex containing pyrazine-2-carboxamide (pzca): Synthesis and crystal structure of $\{[\text{Cu}(\text{pzca})(\text{CH}_3\text{CN})_3(\text{ClO}_4)_2\text{H}_2\text{O}]_n\}$; *Inorg. Chem. Commun.*, 8, (2005) 680-683.
- 1046 S. Tanase, G.A. van Albada, R. de Gelder, E. Bouwman and J. Reedijk; Crystal structure, magnetic properties and spectroscopic characterization of a rare syn-anti acetato-bridged zig-zag chain copper(II) complex; *Polyhedron*, 24, (2005), 979-983.
- 1047 S. Tanase, I.A. Koval, E. Bouwman, R. de Gelder and J. Reedijk; Ligand Conformation Enforces Trigonal Bipyramidal Coordination Geometry in a New Dinuclear Bis(pyrazolato)-Bridged Copper(II) Complex: Synthesis, Crystal Structure, and Properties of $[\text{Cu}(\text{Npy}2\text{pz})_2(\text{ClO}_4)_2 \cdot 2\text{CH}_3\text{CN}]$; *Inorg. Chem.*, 44, (2005), 7860-7865
- 1048 G.A. van Albada, A. Mohamadou, A.M.M. Lanfredi, P. Mutikainen, U. Turpeinen, F. Uguzzoli and J. Reedijk; Bis(2,2'-biimidazole)bis(isothiocyanato)Metal(II) compounds. Synthesis, characterization and lattice hydrogen bonding for Metal = Mn(II) and Ni(II); *J. Chem. Crystallogr.*, 35, (2005) 541-546.
- 1049 G.A. van Albada, I. Mutikainen, U. Turpeinen and J. Reedijk; Tris(5,5'-dimethyl-2,2'-bipyridyl- $\kappa^2\text{N},\text{N}'$)iron(II) bis(perchlorate) 5,5'-dimethyl-2,2'-bipyridyl solvate; *Acta Crystallogr. Sect. E.-Struct. Rep. Online*, 61, (2005) M1411-M1412.
- 1050 S. van Zutphen, M. Kraus, C. Driessen, G.A. van der Marel, H.S. Overkleeft and J. Reedijk; Probing the potential of platinum(II) complexes for the inhibition of thiol-dependent enzymatic activity; *J. Inorg. Biochem.*, 99, (2005), 1384-1389.
- 1051 S. van Zutphen, E.A. Stone, S. van Rijt, M.S. Robillard, G.A. van der Marel, H.S. Overkleeft, H. den Dulk, J. Brouwer and J. Reedijk; Combinatorial discovery of new asymmetric cis platinum anticancer complexes is made possible with solid-phase synthetic methods; *J. Inorg. Biochem.*, 99, (2005), 2032-2038.
- 1052 S. van Zutphen and J. Reedijk; Targeting platinum anti-

- tumour drugs: Overview of strategies employed to reduce systemic toxicity; *Coord. Chem. Rev.*, 249, (2005), 2845-2853.
- 1053 R. van Gorkum, F. Buda, H. Kooijman, A.L. Spek, E. Bouwman and J. Reedijk; Trigonal-prismatic vs. octahedral geometry for Mn^{II} complexes with innocent didentate ligands: A subtle difference as shown by XRD and DFT on Mn(acac)₂(bpy); *Eur. J. Inorg. Chem.*, (2005) 2255-2261.
- 1054 A.H. Velders, A.C.G. Hotze and J. Reedijk; Ligands rock & roll: Stepwise twisting of two cis-coordinated lopsided N-heterocycles in an octahedral bis(2-phenylazopyridine)-ruthenium(II) complex with seven atropisomers; *Chem.-Eur. J.*, 11, (2005), 1325-1340.
- 1055 S. Youngme, P. Phuengphai, N. Chaichit, G.A. van Albada, O. Roubeau and J. Reedijk; An unprecedented tetranuclear Cu(II) cluster, exclusively bridged by two μ₃,η³-hydrogenphosphate anions: synthesis, structure, and magnetic properties; *Inorg. Chim. Acta*, 358, (2005), 849-853.
- 1056 S. Youngme, P. Phuengphai, C. Pakawatchai, G.A. van Albada and J. Reedijk; A novel polymeric trinuclear-based μ₃-phosphato-bridged Cu(II) complex containing two different types of monophosphate. Synthesis, structure and magnetism of {[Cu₃(di-2-pyridylamine)₃(μ₃,η³-HPO₄)(μ₃,η⁴-PO₄)(H₂O)]-(PF₆)(H₂O)₃]_n; *Inorg. Chim. Acta*, 358, (2005), 2125-2128.
- 1057 S. Youngme, P. Phuengphai, C. Pakawatchai, G.A. van Albada, S. Tanase, P. Mutikainen, U. Turpeinen and J. Reedijk; A copper(II) chain compound with hydrogenphosphate bridges organized in a double-chain structure. Synthesis, structure and magnetic properties of [Cu(1,10-phenanthroline)(μ-HPO₄)(H₂O)₂]_n; *Inorg. Chem. Commun.*, 8, (2005), 335-338.
- 1058 S. Youngme, G.A. van Albada, N. Chaichit, P. Gunnasoot, P. Kongsaree, I. Mutikainen, O. Roubeau, J. Reedijk and U. Turpeinen; Synthesis, spectroscopic characterization, X-ray crystal structure and magnetic properties of oxalato-bridged copper(II) dinuclear complexes with di-2-pyridylamine (corrigendum to vol 353, pg 119, 2003); *Inorg. Chim. Acta*, 358, (2005), 2838-2838.
- 1059 S. Youngme, P. Phuengphai, N. Chaichit, G.A. van Albada, S. Tanase and J. Reedijk; Synthesis, crystal structure and magnetic properties of a polynuclear Cu(II) complex: *catenapoly-aqua*(di-2-pyridylamine)copper(II)(μ-formato-O,O')nitrate; *Inorg. Chim. Acta*, 358, (2005) 3267-3271.
- 1060 S. Youngme, P. Phuengphai, N. Chaichit, G.A. van Albada, O. Roubeau and J. Reedijk; A novel tetranuclear hydrogenphosphate-bridged Cu(II) cluster. Synthesis, structure, spectroscopy and magnetism of Cu₄(dpyam)₄(μ₄,η³-HPO₄)₂(μ-X)₂X₂(H₂O)₆ (X = Cl, Br); *Inorg. Chim. Acta*, 358, (2005), 2262-2268.
- 1061 S. Youngme, C. Chailuecha, G.A. van Albada, C. Pakawatchai, N. Chaichit and J. Reedijk; Dinuclear triply-bridged copper(II) compounds containing carboxylato bridges and di-2-pyridylamine as a ligand: synthesis, crystal structure, spectroscopic and magnetic properties; *Inorg. Chim. Acta*, 358, (2005), 1068-1078.
- 1062 S. Youngme, J. Phatchimkun, U. Suksangpanya, C. Pakawatchai, G.A. van Albada and J. Reedijk; Synthesis, spectroscopic characterization, X-ray crystal structure and magnetic properties of dinuclear copper(II) complex with dual end-to-end and end-on cyanate bridges: [Cu₂(μ-NCO-*N,N'*)₂(NCO-N)₂(dpyam)₂]; *Inorg. Chem. Commun.*, 8, (2005), 882-885.
- 1063 G. Aromi, P. Gamez, C. Boldron, H. Kooijman, A.L. Spek and J. Reedijk; A zig-zag [Mn(II)₄] cluster from a novel bis(beta-diketonate) ligand; *Eur. J. Inorg. Chem.*, (2006) 1940-1944.
- 1064 L. Benisvy, I. Mutikainen, M. Quesada, U. Turpeinen, P. Gamez and J. Reedijk; The self-assembly between C-2-symmetric (methanol)₆ or S-6-symmetric (ethanol)₆ cyclohexamers and paddle-wheel dinuclear copper units leads to unique 1D polymer chains; *Chem. Commun.*, (2006), 3723-3725.
- 1065 H. Casellas, P. Gamez, J. Reedijk and C. Massera; Solvent control in the synthesis of Zn(II) and Cd(II) supramolecular compounds with *N,N'*-(2,4-di-[(di-pyridin-2-yl)amine]-1,3,5-triazine)ethylenediamine; *Polyhedron*, 25, (2006), 2959-2966.
- 1066 H. Casellas, C. Massera, F. Buda, P. Gamez and J. Reedijk; Crystallographic evidence of theoretically novel anion-π interactions; *New Journ. Chem.* 30, (2006), 1561-1566.
- 1067 C. Chailuecha, S. Youngme, C. Pakawatchai, N. Chaichit, G.A. van Albada and J. Reedijk; Dinuclear triply bridged copper(II)-carboxylato compounds with different bischelating ligands: Synthesis, crystal structure, spectroscopic and magnetic prop
- 1068 E. Corral, A.C.G. Hotze, D.M. Tooke, A.L. Spek and J. Reedijk; Ruthenium polypyridyl complexes containing the bischelating ligand 2,2'-azobispyridine. Synthesis, characterization structures; *Inorg. Chim. Acta*, 359, (2006) 830-838.
- 1069 P. Gamez and J. Reedijk; 1,3,5-triazine-based synthons in supramolecular chemistry; *Eur. J. Inorg. Chem.*, (2006) 29-42
- 1070 M.W. Glenny, L.G.A. van de Water, J.M. Vere, A.J. Blake, C. Wilson, W.L. Driessen, J. Reedijk and M. Schroder; Improved synthetic methods to mixed-donor thiocrown ethers; *Polyhedron*, 25, (2006) 599-612.
- 1071 G.V. Kalayda, S. Fakhri, H. Bertram, T. Ludwig, H. Oberleithner, B. Krebs and J. Reedijk; Structure-toxicity relationships for different types of dinuclear platinum; *J. Inorg. Biochem.*, 100, (2006), 1332-1338.
- 1072 M. Huisman, I.A. Koval, P. Gamez and J. Reedijk; Thiophene-containing dinucleating ligands for the copper-catalyzed oxidative coupling of 2,6-dimethylphenol; *Inorg. Chim. Acta*, 359, (2006) 1786-1794.
- 1073 R. Kannappan, S. Tanase, I. Mutikainen, U. Turpeinen and J. Reedijk; Low-spin iron(III) Schiff-base complexes with symmetric hexadentate ligands: Synthesis, crystal structure, spectroscopic and magnetic properties; *Polyhedron*, 25, (2006) 1646-1654.
- 1074 R. Kannappan, D.M. Tooke, A.L. Spek and J. Reedijk; Separation of actinides and lanthanides: Synthesis and molecular structure of a new di-μ-phenoxo-bridged dinuclear bis(dioxouranium(VI)) complex; *Inorg. Chim. Acta*, 359, (2006) 334-338.
- 1075 K. Karidi, A. Garoufis, N. Hadjiliadis, M. Lutz, A.L. Spek and J. Reedijk, Synthesis, characterization, and DNA-binding studies of nitro(oligopyridine) ruthenium(II) complexes, *Inorg. Chem.*, 45, (2006), 10282-10292.
- 1076 H. Kooijman, S. Tanase, E. Bouwman, J. Reedijk and A.L. Spek; Bis[bis(2-pyridylcarbonyl)aminato]-iron(III) perchlorate acetonitrile disolvate; *Acta Crystallogr. Sect. C-Cryst. Struct. Commun.*, 62, (2006), M510-M512.
- 1077 H. Kooijman, A.H. Velders and A.L. Spek; *N*-methylbenzimidazole *N*-methylbenzimidazolium hexafluorophosphate; *Acta Crystallogr. Sect. E-Struct. Rep. Online*, 62, (2006), O21-O23.

corrigenda nog eruit halen 2004/2005

Papers appeared in 2006

- 1078 I.A. Koval, P. Gamez, C. Belle, K. Selmeçzi and J. Reedijk; Synthetic models of the active site of catechol oxidase: mechanistic studies; *Chem. Soc. Rev.*, 35, (2006), 814-840.
- 1079 I.A. Koval, K. Selmeçzi, C. Belle, C. Philouze, E. Saint-Aman, I. Gautier-Luneau, A.M. Schuitema, M. van Vliet, P. Gamez, O. Roubeau, M. Luken, B. Krebs, M. Lutz, A.L. Spek, J.L. Pierre and J. Reedijk; Catecholase activity of a copper(II) complex with a macrocyclic ligand: Unraveling catalytic mechanisms; *Chem.-Eur. J.*, 12, (2006), 6138-6150.
- 1080 I.A. Koval, M. Sgobba, M. Huisman, M. Luken, E. Saint-Aman, P. Gamez, B. Krebs and J. Reedijk; A remarkable anion effect on the crystal packing of two analogous copper complexes from a thiophene-containing phenol-based ligand; *Inorg. Chim. Acta*, 359, (2006), 4071-4078.
- 1081 A. Magistrato, P. Ruggerone, K. Spiegel, P. Carloni and J. Reedijk; Binding of novelazole-bridged dinuclear platinum(II) anticancer drugs to DNA: Insights from hybrid QM/MM molecular dynamics simulations; *J. Phys. Chem. B*, 110, (2006) 3604-3613.
- 1082 P.U. Maheswari, B. Modec, A. Pevec, B. Kozlevcar, C. Massera, P. Gamez and J. Reedijk; Crystallographic evidence of nitrate- π interactions involving the electron-deficient 1,3,5-triazine ring; *Inorg. Chem.*, 45, (2006), 6637-6645.
- 1083 P.U. Maheswari, X.H. Tang, R. Hage, P. Gamez and J. Reedijk; The role of carboxylic acids on a $\text{Na}_2\text{WO}_4/\text{H}_2\text{WO}_4$ -based biphasic homogeneous alkene epoxidation, using H_2O_2 as oxidant; *J. Mol. Catal. A-Chem.*, 258, (2006), 295-301.
- 1084 P.U. Maheswari, S. Roy, H. den Dulk, S. Barends, G. van Wezel, B. Kozlevcar, P. Gamez and J. Reedijk; The square-planar cytotoxic $[\text{Cu}^{\text{II}}(\text{pyrimol})\text{Cl}]$ complex acts as an efficient DNA cleaver without reductant; *J. Am. Chem. Soc.*, 128, (2006) 710-711.
- 1085 T.J. Mooibroek, S.J. Teat, C. Massera, P. Gamez and J. Reedijk; Crystallographic and theoretical evidence of acetonitrile- π interactions with the electron-deficient 1,3,5-triazine ring; *Cryst. Growth Des.*, 6, (2006) 1569-1574.
- 1086 P. Phuengphai, S. Youngme, N. Chaichit, C. Pakawatchai, G.A. van Albada, M. Quesada and J. Reedijk; Crystal structures and magnetic properties of two new phosphate-metal complexes: $[\text{Cu}_2(\text{bpy})_2(\mu, \eta_2\text{-HPO}_4)(\mu, \eta_1\text{-H}_2\text{PO}_4)(\mu, \eta_2\text{-H}_2\text{PO}_4)]_n$ and $[\text{Cu}_4(\text{phen})_4(\mu_3, \eta_2\text{-HPO}_4)(\mu, \eta_1\text{-H}_2\text{PO}_4)_2(\text{H}_2\text{PO}_4)_2](\text{H}_2\text{O})_4$; *Polyhedron*, 25, (2006) 2198-2206.
- 1087 E. Pantoja, A. Gallipoli, S. van Zutphen, S. Komeda, D. Reddy, D. Jaganyi, M. Lutz, D.M. Tooke, A.L. Spek, C. Navarro-Ranninger and J. Reedijk; Three new asymmetric *trans*-amine(azole)dichloridoplatinum complexes that overcome cisplatin resistance and their reactions with 5'-GMP; *J. Inorg. Biochem.*, 100, (2006), 1955-1964.
- 1088 E. Pantoja, A. Gallipoli, S. van Zutphen, D.M. Tooke, A.L. Spek, C. Navarro-Ranninger and J. Reedijk; In vitro antitumor activity and interaction with DNA model bases of *cis*- $[\text{PtCl}_2(\text{iPram})(\text{azole})]$ complexes and comparison with their *trans* analogues; *Inorg. Chim. Acta*, 359, (2006), 4335-4342.
- 1089 P. Phuengphai, S. Youngme, C. Pakawatchai, G.A. van Albada, M. Quesada and J. Reedijk; Synthesis, crystal structure and magnetic properties of an unexpected new coordination Cu(II) compound, containing two different phosphato-bridged dinuclear units; $[\text{Cu}_2(\text{phen})(\mu\text{-H}_2\text{PO}_4\text{-O, O}')_2(\text{H}_2\text{PO}_4)_2][\text{Cu}_2(\text{phen})_2(\mu\text{-H}_2\text{PO}_4\text{-O, O}')(\mu\text{-H}_2\text{PO}_4\text{-O})(\mu\text{-HPO}_4\text{-O})_2](\text{H}_2\text{O})(9)(\text{phen}=1,10\text{-phenanthroline})$; *Inorg. Chem. Commun.*, 9, (2006) 147-151.
- 1090 M. Quesada, P. de Hoog, P. Gamez, O. Roubeau, G. Aromi, B. Donnadieu, C. Massera, M. Lutz, A.L. Spek and J. Reedijk; Coordination dependence of magnetic properties within a family of related $[\text{Fe}(\text{II})_2]$ complexes of a triazine-based ligand; *Eur. J. Inorg. Chem.*, (2006) 1353-1361.
- 1091 M. Quesada, M. Monrabal, G. Aromi, V.A. de la Pena-O'Shea, M. Gich, E. Molins, O. Roubeau, S.J. Teat, E.J. MacLean, P. Gamez and J. Reedijk; Spin transition in a triazine-based Fe(II) complex: variable-temperature structural, thermal, magnetic and spectroscopic studies; *J. Mater. Chem.*, 16, (2006) 2669-2676.
- 1092 S. Tanase, P.M. Gallego, E. Bouwman, G.J. Long, L. Rebbouh, F. Grandjean, R. de Gelder, I. Mutikainen, U. Turpeinen and J. Reedijk; Versatility in the binding of 2-pyrazinecarboxylate with iron. Synthesis, structure and magnetic properties of iron(II) and iron(III) complexes; *Dalton Trans.*, (2006) 1675-1684.
- 1093 S. Tanase and J. Reedijk; Chemistry and magnetism of cyanido-bridged d-f assemblies; *Coord. Chem. Rev.*, 250, (2006), 2501-2510.
- 1094 S. Tanase, M. van Son, G.A. van Albada, R. de Gelder, E. Bouwman and J. Reedijk; Self-assembly of extended structures through non-coordination intermolecular forces: Synthesis, crystal structures, and properties of metal complexes with 5-methyl-2-pyrazinecarboxylate; *Polyhedron*, 25, (2006), 2967-2975.
- 1095 S. Teletchea, S. Komeda, J.-M. Teuben, M.-A. Elizondo-Riojas, J. Reedijk and J. Kozelka; A Pyrazolato-Bridged Dinuclear Platinum(II) Complex Induces Only Minor Distortions upon DNA-Binding; *Chem. Eur. J.*, 12, (2006) 3741-3753.
- 1096 G.A. van Albada, I. Mutikainen, U. Turpeinen and J. Reedijk; Crystal structure, magnetism and spectroscopy of two strongly antiferromagnetically coupled dinuclear Cu(II) paddlewheel-like compounds with 4-azabenzimidazole as a ligand; *Polyhedron*, 25, (2006), 3278-3284.
- 1097 G.A. van Albada, I. Mutikainen, U. Turpeinen and J. Reedijk; Intermolecular Watson-Crick-like ligand pairing in two Cu(II) compounds with the ligand bis(pyrimidin-2-yl)amine forming 2D chain-type compounds; *Inorg. Chem. Commun.*, 9, (2006), 1067-1070.
- 1098 G.A. van Albada, I. Mutikainen, U. Turpeinen and J. Reedijk; A new copper(II) coordination compound with 2,2'-bipyridine-N-oxide as a ligand: Crystal structure, synthesis and spectroscopy; *J. Chem. Crystallogr.*, 36, (2006), 259-262.
- 1099 G.A. van Albada, I. Mutikainen, U. Turpeinen and J. Reedijk; Two different isomers of tetrahedrally distorted square-planar Cu(II) triflate compounds with 2-guanidinobenzimidazole; synthesis, X-ray and spectroscopic characterisation; *J. Mol. Struct.*, 789, (2006) 182-186.
- 1100 G.A. van Albada, I. Mutikainen, U. Turpeinen and J. Reedijk; A rare 2D structure of a novel Cu(II) dinuclear-based compound with dicyanamide and 4-nitropyridine-N-oxide as ligands; *Inorg. Chem. Comm.*, 9, (2006) 441-443
- 1101 G.A. van Albada, I. Mutikainen, U. Turpeinen and J. Reedijk; Crystal structure, magnetism and spectroscopy of a dinuclear Cu(II) compound with a chiral ligand; $\text{Cu}_2(\text{SL})(\mu\text{-Cl})(\text{Cl})_2(\text{CH}_3\text{OH})$ (HSL = S-1,2-bis(benzimidazol-2-yl)-1-hydroxyethane); *Polyhedron*, 25, (2006) 81-86.
- 1102 G.A. van Albada, S. Tanase, A. Mohamadou, I. Mutikainen, U. Turpeinen and J. Reedijk; Synthesis, structure and magnetism of two new polymeric double dicyanamido-bridged Mn(II) compounds; *Polyhedron*, 25, (2006) 2236-2240.
- 1103 R. van Eldik and J. Reedijk. (2006). *Advances in Inorganic Chemistry*, Volume 58, R. van Eldik and J. Reedijk, eds.: (Wiley).

- 1104 S. van Rijt, S. van Zutphen, H. den Dulk, J. Brouwer and J. Reedijk; Structure-activity relationship studies for three new asymmetric *cis*-platinum(II) aminoethanol-based complexes; *Inorg. Chim. Acta*, 359, (2006), 4125-4129.
- 1105 S. van Zutphen, E. Pantoja, R. Soriano, C. Soro, D.M. Tooke, A.L. Spek, H. den Dulk, J. Brouwer and J. Reedijk; New antitumour active platinum compounds containing carboxylate ligands in *trans* geometry: synthesis, crystal structure and biological activity; *Dalton Trans.*, (2006) 1020-1023.
- 1106 S. Youngme, J. Phatchimkun, U. Suksangpanya, C. Pakawatchai, G.A. van Albada, M. Quesada and J. Reedijk; A new unique tetranuclear Cu(II) compound with double bridging thiocyanate anions: Synthesis, X-ray structure and magnetism of $[\text{Cu}_4(\mu-(1,3)\text{-NCS})_6(\text{dpyam})_4(\text{O}_2\text{CH})_2(\text{H}_2\text{O})_2]$ (dpyam = di-2-pyridylamine); *Inorg. Chem. Commun.*, 9, (2006) 242-247.
- 2007:**
- 1107 A. Pevec, B. Kozlevcar, P. Gamez and J. Reedijk; Hexakis- μ -chlorido-dichloridobis[(3,5-dimethyl-pyrazol-1-yl) acetic acid- κ^2 N,N']tetracopper(II): an unexpected neutral bis-pyrazolyl ligand in a tetracopper(II) complex; *Acta Crystallogr. Sect. E-Struct Rep. Online*, 63, (2007), M514-M516.
- 1108 I.A. Koval, H. Akhideno, S. Tanase, C. Belle, C. Duboc, E. Saint-Aman, P. Gamez, D.M. Tooke, A.L. Spek, J.L. Pierre and J. Reedijk; Changes in magnetic properties from solid state to solution in a trinuclear linear copper(II) complex; *New J. Chem.*, 31, (2007), 512-518.
- 1109 L. Benisvy, R. Kannappan, Y.F. Song, S. Milikisyants, M. Huber, I. Mutikainen, U. Turpeinen, P. Gamez, L. Bernasconi, E.J. Baerends, F. Hartl and J. Reedijk; A square-planar nickel(II) monoradical complex with a bis(salicylidene)-diamine ligand; *Eur. J. Inorg. Chem.*, (2007), 637-642.
- 1110 S. Youngme, T. Chotkhun, S. Leelasubcharoen, N. Chaichit, C. Pakawatchai, G.A. van Albada and J. Reedijk; Three new dinuclear bis- μ -azido-bridged Cu(II) compounds with di-2-pyridylamine as a ligand: Syntheses, X-ray structure and magnetic measurements; *Polyhedron*, 26, (2007), 725-735.
- 1111 S. Youngme, T. Chotkhun, S. Leelasubcharoen, N. Chaichit, G.A. van Albada, M. Viciano-Chumillas and J. Reedijk; An unique trinuclear triply bridged Cu(II) compound containing double acetato and single azido bridges: Synthesis, X-ray structure and magnetism of $[\text{Cu}_3(\text{dpyam})_2(\mu_{1,1}\text{-N-3})(\mu\text{-CH}_3\text{COO-}\kappa\text{-O}^1)_2(\mu\text{-CH}_3\text{COO-}\kappa\text{-O}^1, \text{O}^2)_2] \cdot 2\text{H}_2\text{O}$ (dpyam = di-2-pyridylamine); *Inorg. Chem. Commun.*, 10, (2007), 109-113.
- 1112 E. Corral, H. Kooijman, A.L. Spek and J. Reedijk; Nucleic acids in two dimensions: layers of base pairs linked by carboxylate; *New J. Chem.*, 31, (2007), 21-24.
- 1113 R. van Gorkum, J. Berding, D.M. Tooke, A.L. Spek, J. Reedijk and E. Bouwman; The autoxidation activity of new mixed-ligand manganese and iron complexes with tripodal ligands; *J. Catal.*, 252, (2007), 110-118.
- 1114 E. Corral, A.C.G. Hotze, A. Magistrato and J. Reedijk; Interaction between the DNA model base 9-ethylguanine and a group of ruthenium polypyridyl complexes: Kinetics and conformational temperature dependence; *Inorg. Chem.*, 46, (2007), 6715-6722.
- 1115 M. Viciano-Chumillas, S. Tanase, G. Aromi, J.M.M. Smits, R. de Gelder, X. Solans, E. Bouwman and J. Reedijk; Coordination versatility of 5(3)-(2-hydroxyphenyl)-3(5)-methylpyrazole: Synthesis, crystal structure and properties of Co^{III}, Ni^{II} and Cu^{II} complexes; *Eur. J. Inorg. Chem.*, (2007), 2635-2640.
- 1116 J. Wilson and J. Reedijk; Busting tumours; *Dalton Trans.*, (2007), B69-B69.
- 1117 P.U. Maheswari, K. Lappalainen, M. Sfregola, S. Barends, P. Gamez, U. Turpeinen, I. Mutikainen, G.P. van Wezel and J. Reedijk; Structure and DNA cleavage properties of two copper(II) complexes of the pyridine-pyrazole-containing ligands mbpzbpy and Hmpzbpya; *Dalton Trans.*, (2007), 3676-3683.
- 1118 A. Robertazzi, A. Magistrato, P. de Hoog, P. Carloni and J. Reedijk; Density functional theory studies on copper phenanthroline complexes; *Inorg. Chem.*, 46, (2007), 5873-5881.
- 1119 P. Gamez, S. Gupta and J. Reedijk; Copper-catalyzed oxidative coupling of 2,6-dimethylphenol: A radical or an ionic polymerization? *C. R. Chim.*, 10, (2007), 295-304.
- 1120 P. de Hoog, C. Boldron, P. Gamez, K. Sliedregt-Bol, I. Roland, M. Pitie, R. Kiss, B. Meunier and J. Reedijk; New approach for the preparation of efficient DNA cleaving agents: Ditopic copper-platinum complexes based on 3-clip-phen and cisplatin; *J. Med. Chem.*, 50, (2007), 3148-3152.
- 1121 P. Gamez, T.J. Mooibroek, S.J. Teat and J. Reedijk; Anion binding involving pi-acidic heteroaromatic rings; *Accounts Chem. Res.*, 40, (2007), 435-444.
- 1122 P.U. Maheswari, S. Barends, S. Ozalp-Yaman, P. de Hoog, H. Casellas, S.J. Teat, C. Massera, M. Lutz, A.L. Spek, G.P. van Wezel, P. Gamez and J. Reedijk; Unique ligand-based oxidative DNA cleavage by zinc(II) complexes of Hpyramol and Hpyrimol; *Chem.-Eur. J.*, 13, (2007), 5213-5222.
- 1123 Y.F. Song, G.A. van Albada, J. Tang, I. Mutikainen, U. Turpeinen, C. Massera, O. Roubeau, J.S. Costa, P. Gamez and J. Reedijk; Controlled copper-mediated chlorination of phenol rings under mild conditions; *Inorg. Chem.*, 46, (2007), 4944-4950.
- 1124 G.A. van Albada, I. Mutikainen, U. Turpeinen and J. Reedijk; An unusual Cu(II) polymeric compound with tridentate dehydrated and bidentate neutral ligand bis(pyrimidin-2-yl)amine (=Hdipm) and uncoordinated Hdipm in a complicated H-bonding system. Synthesis, characterization and X-ray structure of $\{[\text{Cu}(\text{dipm})(\text{Hdipm})(\text{Hdipm})(\text{CF}_3\text{SO}_3)(\text{C}_2\text{H}_5\text{OH})(\text{H}_2\text{O})]_n\}$; *J. Mol. Struct.*, 837, (2007), 43-47.
- 1125 H. Casellas, O. Roubeau, S.J. Teat, N. Masciocchi, S. Galli, A. Sironi, P. Gamez and J. Reedijk; Rich pseudopolymorphic behavior of the tetranuclear $[\text{Ni}_4(\text{dpyatriz})_2(\text{NO}_3)_8]$ complex; *Inorg. Chem.*, 46, (2007), 4583-4591.
- 1126 M. Quesada, V.A. de la Pena-O'Shea, G. Aromi, S. Geremia, C. Massera, O. Roubeau, P. Gamez and J. Reedijk; A molecule-based nanoporous material showing tuneable spin-crossover behavior near room temperature; *Adv. Mater.*, 19, (2007), 1397-1402.
- 1127 S. Youngme, T. Chotkhun, N. Chaichit, G.A. van Albada and J. Reedijk; Copper(II) azide complexes of $[\text{Cu}(\text{acac})(\text{N}_3)(\text{dpyam})]$ and $[\text{Cu}(\mu\text{-N}_3\text{-}\kappa(\text{N}1))(\text{C}_2\text{N}_3\text{-}\kappa(\text{N}1))(\text{dpyam})]_2$: Synthesis, crystal structure and magnetism; *Inorg. Chem. Commun.*, 10, (2007), 843-848.
- 1128 J.S. Costa, K. Lappalainen, G. de Ruyter, M. Quesada, J.K. Tang, I. Mutikainen, U. Turpeinen, C.M. Grunert, P. Güttlich, H.Z. Lazar, J.F. Létard, P. Gamez and J.

- Reedijk; Remarkable steric effects and influence of monodentate axial ligands L on the spin-crossover properties of *trans*-[Fe^{II}(N₄ ligand)L] complexes; *Inorg. Chem.*, **46**, (2007), 4079-4089.
- 1129 S. Gupta, J. van Dijk, P. Gamez, G. Challa and J. Reedijk; Mechanistic studies for the polymerization of 2,6-dimethylphenol to poly(2,6-dimethyl-1,4-phenylene ether): LC-MS analyses showing rearrangement and redistribution products; *Appl. Catal. A-Gen.*, **319**, (2007), 163-170.
- 1130 G.A. van Albada, I. Mutikainen, U. Turpeinen and J. Reedijk; Distortion isomerism of Cu(II) chloride adducts with bis(2-benzimidazolyl)ethane. Synthesis, characterization, X-ray structures and spectroscopy of four different isomers; *J. Chem. Crystallogr.*, **37**, (2007), 489-496.
- 1131 A. Garza-Ortiz, H. den Dulk, J. Brouwer, H. Kooijman, A.L. Spek and J. Reedijk; The synthesis, chemical and biological properties.; *J. Inorg. Biochem.*, **101**, (2007), 1922-1930.
- 1132 J.K. Tang, J.S. Costa, G. Aromi, I. Mutikainen, U. Turpeinen, P. Gamez and J. Reedijk; Supramolecular click assembly of a fused double-stranded [Mn^{II}]₃ dihelicate; *Eur. J. Inorg. Chem.*, (2007), 4119-4122.
- 1133 J.S. Uber, Y. Vogels, D. van den Helder, I. Mutikainen, U. Turpeinen, W.T. Fu, O. Roubeau, P. Gamez and J. Reedijk; Pyrazole-based ligands for the [copper-TEMPO]-mediated oxidation of benzyl alcohol to benzaldehyde and structures of the Cu coordination compounds; *Eur. J. Inorg. Chem.*, (2007), 4197-4206.
- 1134 G.A. van Albada, I. Dominicus, I. Mutikainen, U. Turpeinen and J. Reedijk; Synthesis, X-ray crystal structures, spectroscopic properties and magnetism of copper(II) compounds of formula *trans*-Cu(LL)₂(anion)₂ with *N*-(pyridin-2-yl)acetamide and *N*-(pyrimidin-2-yl)acetamide as ligands: Unexpected absence of hydrogen bonding to the non-coordinating nitrogen atom of the ligand; *Polyhedron*, **26**, (2007), 3731-3736.
- 1135 M. Quesada, H. Kooijman, P. Gamez, J.S. Costa, P.J. van Koningsbruggen, P. Weinberger, M. Reissner, A.L. Spek, J.G. Haasnoot and J. Reedijk; [Fe(μ-btzmp)₂(btzmp)₂(ClO₄)₂]: a doubly-bridged 1D spin-transition bistetrazole-based polymer showing thermal hysteresis behaviour; *Dalton Trans.*, (2007), 5434-5440.
- 1136 Z.L. Lu, P. Gamez, I. Mutikainen, U. Turpeinen and J. Reedijk; Supramolecular assemblies generated from both lone-pair π and C-H π binding interactions; *Cryst. Growth Des.*, **7**, (2007), 1669-1671.
- 1137 G.A. van Albada, I. Mutikainen, U. Turpeinen and J. Reedijk; Crystal structure, spectroscopy and magnetism of a dinuclear strongly antiferromagnetically coupled N-oxido-bridged Cu(II) compound with 2,2'-bipyridine-1,1'-dioxide (bpdo) as a ligand; [Cu₂(bpdo)₂Br₄]; *Polyhedron*, **26**, (2007), 2728-2732.
- 1138 G.A. van Albada, M.G. van der Horst, I. Mutikainen, U. Turpeinen and J. Reedijk; An alternating chain consisting of dinuclear Cu(II) ions bridged by bonded end-on bis(μ-dicyanamido-κ^{N1, N5}) ligands and hydrogen-bonded pairs of bis(pyrimidin-2-yl)amines, with unusually long Cu ••• Cu distances of 7.20 and 9.99 Å: Synthesis, structure and magnetic properties of [Cu(dipm)(μ-dca)(H₂O)(ClO₄)₂ • 2EtOH]; *Inorg. Chem. Commun.*, **10**, (2007), 1014-1018.
- 1139 J.K. Tang, P. Gamez and J. Reedijk; Efficient [bis(imino)pyridine-iron]-catalyzed oxidation of alkanes; *Dalton Trans.*, (2007), 4644-4646.
- 1140 K. Karidi, J. Reedijk, N. Hadjiliadis and A. Garoufis; Synthesis, characterization and DNA binding properties of oligopyridine-ruthenium(II)-amino acid conjugates; *J. Inorg. Biochem.*, **101**, (2007), 1483-1491.
- 1141 K. Spiegel, A. Magistrato, P. Carloni, J. Reedijk and M.L. Klein; Azole-bridged diplatinum anticancer compounds. Modulating DNA flexibility to escape repair mechanism and avoid cross resistance; *J. Phys. Chem. B*, **111**, (2007), 11873-11876.
- 1142 J.S. Uber, I. Mutikainen, U. Turpeinen, P. Gamez and J. Reedijk; Formation of a silver(I) coordination compound, with a pyrazole-pyridine ligand, whose crystal lattice is composed of three different types of 1D chains; *Inorg. Chem. Comm.*, **10**, (2007), 1478-1481.
- 1143 M. Quesada, F. Prins, O. Roubeau, P. Gamez, S.J. Teat, P.J. van Koningsbruggen, J.G. Haasnoot and J. Reedijk; A 2D [Fe^{II}-bistetrazole] coordination polymer exhibiting spin-crossover properties; *Inorg. Chim. Acta*, **360**, (2007), 3787-3796.
- 1144 A. Robertazzi, A. Magistrato, P. de Hoog, J. Reedijk and P. Carloni; Classical and quantum chemical studies of copper phenanthroline complexes binding the DNA; *Drug Future*, **32**, (2007), 139-140.
- 1145 K. Spiegel, A. Magistrato, P. Carloni, J. Reedijk and M.L. Klein; Azole-bridged diplatinum anticancer compounds. Modulating DNA flexibility to escape repair mechanism and avoid cross resistance; *J. Phys. Chem. B*, **111**, (2007), 11873-11876.
- 1146 G. Aromi, P. Gamez and J. Reedijk; Poly beta-diketones: Prime ligands to generate supramolecular metaloclusters; *Coord. Chem. Rev.*, **252**, (2008), 964-989.
- 2008**
- 1147 P.L. Alsters, P.T. Witte, R. Neumann, D. Sloboda-Rozner, W. Adam, R. Zhang, J. Reedijk, P. Gamez, J.E. ten Elshof and R. Roy Chowdhury. (2008). Fine-tuning and recycling of homogeneous tungstate and polytungstate epoxidation catalysts. In Mechanisms in homogeneous and heterogeneous epoxidation catalysis, S. T. Oyama, ed.: (Elsevier), pp. 415-428.
- 1148 G. Aromi, P. Gamez and J. Reedijk; Poly beta-diketones: Prime ligands to generate supramolecular metaloclusters; *Coord. Chem. Rev.*, **252**, (2008), 964-989.
- 1149 L.A. Barrios, G. Aromi, J. Ribas, J.S. Uber, O. Roubeau, K. Sakai, S. Masaoka, P. Gamez and J. Reedijk; A mixed-valence [(MnMnMn^{II})-Mn^I-Mn^{III}] complex of a linear phenol-bis(pyrazole) ligand with an S=3 spin ground state; *Eur. J. Inorg. Chem.*, (2008), 3871-3876.
- 1150 L. Benisvy, P. Gamez, W.T. Fu, H. Kooijman, A.L. Spek, A. Meijerink and J. Reedijk; Efficient near-UV photosensitization of the Tb(III) green luminescence by use of 2-hydroxyisophthalate ligands; *Dalton Trans.*, (2008), 3147-3149.
- 1151 S. Bonnet, M.A. Siegler, J.S. Costa, G. Molnar, A. Bousseksou, A.L. Spek, P. Gamez and J. Reedijk; A two-step spin crossover mononuclear iron(II) complex with a [HS-LS-LS] intermediate phase; *Chem. Comm.*, (2008), 5619-5621.
- 1152 J. Boonmak, S. Youngme, T. Chotkhun, C. Engkagul, N. Chaichit, G.A. van Albada and J. Reedijk; Polynuclear copper(II) carboxylates with 2,2'-bipyridine or 1,10-phenanthroline: Synthesis, characterization, X-ray structures and magnetism; *Inorg. Chem. Comm.*, **11**,

- (2008), 1231-1235.
- 1153 P.C.A. Bruijninx, M. Viciano-Chumillas, M. Lutz, A.L. Spek, J. Reedijk, G. van Koten and R. Gebbink; Oxidative double dehalogenation of tetrachlorocatechol by a bio-inspired Cu-II complex: Formation of chloranilic acid; *Chem.-Eur. J.*, **14**, (2008), 5567-5576.
- 1154 A.G. Castro, J.S. Costa, R. Pievo, C. Massera, I. Mutikainen, U. Turpeinen, P. Gamez and J. Reedijk; A New Sulfur-containing Schiff-Base Ligand and Binding to Copper(II) and Cobalt(II); *Z. Anorg. Allg. Chem.*, **634**, (2008), 2477-2482.
- 1155 J.S. Costa, P. Gamez, C.A. Black, O. Roubeau, S.J. Teat and J. Reedijk; Chemical modification of a bridging ligand inside a metal-organic framework while maintaining the 3D structure; *Eur. J. Inorg. Chem.*, (2008), 1551-1554.
- 1156 P. de Hoog, M.J. Louwerse, P. Gamez, M. Pitié, E.J. Baerends, B. Meunier and J. Reedijk; Influence of the copper coordination geometry on the DNA cleavage activity of Clip-Phen complexes studied by DFT; *Eur. J. Inorg. Chem.*, (2008), 612-619.
- 1157 P. de Hoog, M. Pitié, G. Amadei, P. Gamez, B. Meunier, R. Kiss and J. Reedijk; DNA cleavage and binding selectivity of a heterodinuclear Pt-Cu(3-Clip-Phen) complex; *J. Biol. Inorg. Chem.*, **13**, (2008), 575-586.
- 1158 G. de Ruiter, J.S. Costa, K. Lappalainen, O. Roubeau, P. Gamez and J. Reedijk; The system iron(II)/mpzbp mediates the H₂O₂ oxidation of cyclohexane and cyclooctene and the aerobic oxidative cleavage of ascorbic acid to oxalate; *Inorg. Chem. Commun.*, **11**, (2008), 787-790.
- 1159 A. Garza-Ortiz, P.U. Maheswari, M. Siegler, A.L. Spek and J. Reedijk; Ruthenium(III) chloride complex with a tridentate bis(arylimino)pyridine ligand: Synthesis, spectra, X-ray structure, 9-ethylguanine binding Pattern, and in vitro cytotoxicity; *Inorg. Chem.*, **47**, (2008), 6964-6973.
- 1160 L. Gasque, M.A. Verhoeven, S. Bernes, F. Barrios, J.G. Haasnoot and J. Reedijk; The Added Value of Solid-State Pb NMR Spectroscopy to Understand the 3D Structures of Pb Amino Acid Complexes; *Eur. J. Inorg. Chem.*, (2008), 4395-4403.
- 1161 R.J. Götz, A. Robertazzi, I. Mutikainen, U. Turpeinen, P. Gamez and J. Reedijk; Concurrent anion- π interactions between a perchlorate ion and two π -acidic aromatic rings, namely pentafluorophenol and 1,3,5-triazine; *Chem. Commun.*, (2008), 3384-3386.
- 1162 G.V. Kalayda, C.H. Wagner, I. Buss, J. Reedijk and U. Jaehde; Altered localisation of the copper efflux transporters ATP7A and ATP7B associated with cisplatin resistance in human ovarian carcinoma cells; *BMC Cancer*, **8**, (2008), 12-20.
- 1163 P.J. Kitson, Y.F. Song, P. Gamez, P. de Hoog, D.L. Long, A.D.C. Parenty, J. Reedijk and L. Cronin; Metal-mediated transformation of a triazinephenanthridinium ligand leading to a {Pd₅} coordination complex observed crystallographically and by cryospray mass Spectrometry; *Inorg. Chem.*, **47**, (2008), 1883-1885.
- 1164 I.A. Koval, P. Gamez and J. Reedijk. (2008). Mimicking nature: bio-inspired models of copper proteins. In *Tomorrow's Chemistry Today. Concepts in nanoscience, organic materials and environmental chemistry*, B. Pignataro, ed.: Wiley-VCH Verlag GmbH & Co. KGaA), pp. 101-127.
- 1165 B. Kozlevcar, T. Pregelj, A. Pevec, N. Kitanovski, J.S. Costa, G. van Albada, P. Gamez and J. Reedijk; Copper Complexes with the Ligand Methyl Bis(3,5-dimethylpyrazol-1-yl)acetate (Mebdmpza), Generated by In Situ Methanolic Esterification of Bis(3,5-dimethylpyrazol-1-yl)acetic Acid; *Eur. J. Inorg. Chem.*, (2008), 4977-4982.
- 1166 Z.L. Lu, J.S. Costa, O. Roubeau, I. Mutikainen, U. Turpeinen, S.J. Teat, P. Gamez and J. Reedijk; A copper complex bearing a TEMPO moiety as catalyst for the aerobic oxidation of primary alcohols; *Dalton Trans.*, (2008), 3567-3573.
- 1167 P.U. Maheswari, M. van der Ster, S. Smulders, S. Barends, G.P. van Wezel, C. Massera, S. Roy, H. den Dulk, P. Gamez and J. Reedijk; Structure, cytotoxicity, and DNA-cleavage properties of the complex [Cu^{II}(pbt)Br₂]; *Inorg. Chem.*, **47**, (2008), 3719-3727.
- 1168 P. Marques-Gallego, H. den Dulk, J. Brouwer, H. Kooijman, A.L. Spek, O. Roubeau, S.J. Teat and J. Reedijk; Synthesis, Crystal Structure, Studies in Solution and Cytotoxicity of Two New Fluorescent Platinum(II) Compounds Containing Anthracene Derivatives as a Carrier Ligand; **47**, (2008), 11171-11179.
- 1169 E. Mijangos, J.S. Costa, O. Roubeau, S.J. Teat, P. Gamez, J. Reedijk and L. Gasque; Self-assembly of an infinite copper(II) chiral metallohelicate; *Cryst. Growth Des.*, **8**, (2008), 3187-3192.
- 1170 E. Mijangos, J. Reedijk and L. Gasque; Copper(II) complexes of a polydentate imidazole-based ligand. pH effect on magnetic coupling and catecholase activity; *Dalton Trans.*, (2008), 1857-1863.
- 1171 T.J. Mooibroek, C.A. Black, P. Gamez and J. Reedijk; What's new in the realm of anion- π binding interactions? Putting the anion- π interaction in perspective; *Cryst. Growth Des.*, **8**, (2008), 1082-1093.
- 1172 T.J. Mooibroek, P. Gamez and J. Reedijk; Lone pair- π interactions: a new supramolecular bond? *Crystengcomm*, **10**, (2008), 1501-1515.
- 1173 S. Özalp-Yaman, P. de Hoog, G. Amadei, M. Pitié, P. Gamez, J. Dewelle, T. Mijatovic, B. Meunier, R. Kiss and J. Reedijk; Platinated copper(3-clip-phen) complexes as effective DNA-cleaving and cytotoxic agents; *Chem.-Eur. J.*, **14**, (2008), 3418-3426.
- 1174 M. Quesada, F. Prins, E. Bill, H. Kooijman, P. Gamez, O. Roubeau, A.L. Spek, J.G. Haasnoot and J. Reedijk; Counterion Effect on the Spin-Transition Properties of the Cation [Fe(btzx)₃]²⁺ (btzx = m-Xylylenebis(tetrazole)); *Chem.-Eur. J.*, **14**, (2008), 8486-8499.
- 1175 J. Reedijk; Medicinal applications of metal complexes binding to biological macromolecules; *Macrom. Symposia*, **270**, (2008), 193-201.
- 1176 J. Reedijk; Metal-ligand exchange kinetics in platinum and ruthenium complexes; *Plat. Metals Rev.*, **52**, (2008), 2-11.
- 1177 J. Reedijk and H.F. Moed; Is the impact of journal impact factors decreasing? *J. Doc.*, **64**, (2008), 183-192.
- 1178 B. Retcher, J.S. Costa, J.K. Tang, R. Hage, P. Gamez and J. Reedijk; Unexpected high oxidation of cyclohexane by Fe salts and dihydrogen peroxide in acetonitrile; *J. Mol. Catal. A-Chem.*, **286**, (2008), 1-5.
- 1179 S. Roy, K.D. Hagen, P.U. Maheswari, M. Lutz, A.L. Spek, J. Reedijk and G.P. van Wezel; Phenanthroline derivatives with improved selectivity as DNA-targeting anticancer or antimicrobial drugs; *ChemMedChem*, **3**, (2008), 1427-1434.

- 1180 K. Spiegel, A. Magistrato, P. Maurer, P. Ruggerone, U. Rothlisberger, P. Carloni, J. Reedijk and M.L. Klein; Parameterization of azole-bridged dinuclear platinum anticancer drugs via a QM/MM force matching procedure; *J. Comput. Chem.*, **29**, (2008), 38-49.
- 1181 S. Tanase, P. Marques-Gallego, W.R. Browne, R. Hage, E. Bouwman, B.L. Feringa and J. Reedijk; Mechanistic implications of the active species involved in the oxidation of hydrocarbons by Iron complexes of pyrazine-2-carboxylic acid; *Dalton Trans.*, (2008), 2026-2033.
- 1182 J. Tang, J.S. Costa, A. Pevec, B. Kozlevcar, C. Massera, O. Roubeau, I. Mutikainen, U. Turpeinen, P. Gamez and J. Reedijk; Influence of coordinating and non-coordinating anions and of a methoxy substituent on the formation of copper-based coordination assemblies; *Cryst. Growth Des.*, **8**, (2008), 1005-1012.
- 1183 G.A. van Albada, I. Dominicus, M. Viciano-Chumillas, I. Mutikainen, U. Turpeinen and J. Reedijk; A unique chain of trinuclear Cu(II) units containing both neutral and anionic N-(pyrimidin-2-yl) acetamide (Haapm, resp aapm) as a ligand and dicyanamide (dca): Synthesis, characterization, X-ray structure and magnetism of $[\text{Cu}_3(\mu\text{-aapm})_2(\mu\text{-dca})_2(\text{Haapm})_2](\text{CF}_3\text{SO}_3)_2$; *Polyhedron*, **27**, (2008), 617-622.
- 1184 G.A. van Albada, S. Nur, I. Mutikainen, U. Turpeinen and J. Reedijk; Characterisation and structure determination of two mononuclear $\text{Cu}^{\text{II}}(\text{ClO}_4)_2$ compounds with 2,2'-bipyridine-1,1'-dioxide; *J. Mol. Struct.*, **875**, (2008), 91-95.
- 1185 G.A. van Albada, S. Nur, M.G. van der Horst, I. Mutikainen, U. Turpeinen and J. Reedijk; Characterisation and structure of two Cu(II) mononuclear compounds with 7-azaindole as a ligand that display interesting H-bond properties; *J. Mol. Struct.*, **874**, (2008), 41-45.
- 1186 G.A. van Albada, S. Tanase, I. Mutikainen, U. Turpeinen and J. Reedijk; A bis(chlorido)-bridged linear-chain Cu(II) compound with 7-azaindole as an axial ligand; synthesis, structure, hydrogen bonding and magnetism; *Inorg. Chim. Acta*, **361**, (2008), 1463-1468.
- 1187 G.A. van Albada, M.G. van der Horst, I. Mutikainen, U. Turpeinen and J. Reedijk; New 3,5-dimethylpyrazole copper(II) compounds with a variety of hydrogen bonds, synthesized by using a dehydrating agent: Synthesis, characterization, structures and intermolecular interactions; *Inorg. Chim. Acta*, **361**, (2008), 3380-3387.
- 1188 G.A. van Albada, M.G. van der Horst, I. Mutikainen, U. Turpeinen and J. Reedijk; Synthesis, crystal structure and spectroscopy of catena-poly-bis(azido-N1,N1)(2-Aminopyrimidine)Copper(II); *J. Chem. Crystallogr.*, **38**, (2008), 413-417.
- 1189 G.A. van Albada, M.G. van der Horst, I. Mutikainen, U. Turpeinen and J. Reedijk; Two mononuclear compounds with bis(pyrimidin-2-yl)amine as a ligand and as a hydrogen-bonded lattice molecule. Synthesis, structure and spectroscopy of $\{[\text{M}(\text{dipm})(\text{H}_2\text{O})(\text{A})](\text{dipm})(\text{A})(\text{H}_2\text{O})\}$ (M = Cd with A = ClO_4^- ; and Zn with A = BF_4^-); *J. Chem. Crystallogr.*, **38**, (2008), 519-523.
- 1190 M.G. van der Horst, G.A. van Albada, R.-M. Ion, I. Mutikainen, U. Turpeinen, S. Tanase and J. Reedijk; Extended networks generated from the interaction of rare-earth(III) ions and pyridine-2-carboxamide-based ligands; *Eur. J. Inorg. Chem.*, (2008), 2170-2176.
- 1191 R. Van Gorkum, J. Berding, A.M. Mills, H. Kooijman, D.M. Tooke, A.L. Spek, I. Mutikainen, U. Turpeinen, J. Reedijk and E. Bouwman; The synthesis, structures and characterisation of new mixed-ligand manganese and iron complexes with tripodal, tetradentate ligands; *Eur. J. Inorg. Chem.*, (2008), 1487-1496.
- 1192 M. Viciano-Chumillas, S. Tanase, I. Mutikainen, U. Turpeinen, L.J. de Jongh and J. Reedijk; Mononuclear manganese(III) complexes as building blocks for the design of trinuclear manganese clusters: Study of the ligand influence on the magnetic properties of the $[\text{Mn}_3(\mu_3\text{-O})]^{7+}$ core; *Inorg. Chem.*, **47**, (2008), 5919-5929.
- 1193 S. Youngme, A. Cheansirisomboon, C. Danvirutai, C. Pakawatchai, N. Chaichit, C. Engkagul, G.A. van Albada, J.S. Costa and J. Reedijk; Three new polynuclear tetracarboxylato-bridged copper(II) complexes: Syntheses, X-ray structure and magnetic properties; *Polyhedron*, **27**, (2008), 1875-1882.
- 1194 S. Youngme, J. Phatchimkun, N. Wannarit, N. Chaichit, S. Meejoo, G.A. van Albada and J. Reedijk; New ferromagnetic dinuclear triply-bridged copper(II) compounds containing carboxylato bridges: Synthesis, X-ray structure and magnetic properties; *Polyhedron*, **27**, (2008), 304-318.
- 1195 S. Youngme, N. Wannarit, T. Remsungnen, N. Chaichit, G.A. van Albada and J. Reedijk; Hexa- and polynuclear copper(II) coordination compounds based on the carbonato bridge: Synthesis, crystal structures and magnetic properties; *Inorg. Chem. Commun.*, **11**, (2008), 179-185.
- 1196 S. Youngme, N. Wannarit, T. Remsungnen, C. Pakawatchai, N. Chaichit, C. Engkagul, G.A. van Albada and J. Reedijk; A novel octanuclear copper(II) compound: Synthesis, crystal structure and magnetic properties; *Inorg. Chem. Commun.*, **11**, (2008), 427-432.
- Year 2009:**
- 1197 J.H. Adriaanse, S.H.C. Askes, Y. van Bree, S. van Oudheusden, E.D. van den Bos, E. Gunay, I. Mutikainen, U. Turpeinen, G.A. van Albada, J.G. Haasnoot and J. Reedijk; Coordination chemistry of 5,6,7-trimethyl-[1,2,4]triazolo[1,5-a]pyrimidine with first-row transition-metal salts: Synthesis, spectroscopy and single-crystal structures, with counter-anion dependence of the structures; *Polyhedron*, **28**, (2009), 3143-3149.
- 1198 N. Aliaga-Alcalde, S.D. George, I. Alfaro-Fuentes, G.J.T. Cooper, N. Barba-Behrens, S. Bernes and J. Reedijk; Physical characterization and biological studies of a (streptidine)((Pt^{II}Cl₄) compound; *Polyhedron*, **28**, (2009), 3459-3466.
- 1199 A. Almesaker, P. Gamez, J. Reedijk, J.L. Scott, L. Spiccia and S.J. Teat; Stabilisation of a very short Cu-F bond within the protected cavity of a copper(II) compound from a tris(2-aminoethyl)amine derivative; *Dalton Trans.*, (2009), 4077-4080.
- 1200 J.M. Balkaran, S.C.P. van Bezouw, J. van Bruchem, J. Verasdonck, P.C. Verkerk, A.G. Volbeda, I. Mutikainen, U. Turpeinen, G.A. van Albada, P. Gamez, J.G. Haasnoot and J. Reedijk; Coordination chemistry of substituted [1,2,4]triazolo[1,5-a]pyrimidines with first-row transition-metal ions: Synthesis, spectroscopy and single-crystal structure; *Inorg. Chim. Acta*, **362**, (2009), 861-868.
- 1201 C.A. Black, J.S. Costa, W.T. Fu, C. Massera, O. Roubeau, S.J. Teat, G. Aromi, P. Gamez and J. Reedijk; 3-D Lanthanide Metal-Organic Frameworks: Structure, Photoluminescence, and Magnetism; *Inorg. Chem.*, **48**, (2009), 1062-1068.

- 1202 S. Bonnet, G. Molnar, J.S. Costa, M.A. Siegler, A.L. Spek, A. Bousseksou, W.T. Fu, P. Gamez and J. Reedijk; Influence of Sample Preparation, Temperature, Light, and Pressure on the Two-Step Spin Crossover Mononuclear Compound [Fe(bapbpy)(NCS)₂]; *Chem. Mater.*, **21**, (2009), 1123-1136.
- 1203 J. Boonmak, S. Youngme, N. Chaichit, G.A. van Albada and J. Reedijk; Series of Copper(II) Coordination Polymers Containing Aminopyrazine and Different Carboxylato Bridges: Syntheses, Structures and Magnetic Properties; *Cryst. Growth Des.*, **9**, (2009), 3318-3326.
- 1204 I. Buss, G.V. Kalayda, P. Marques-Gallego, J. Reedijk and U. Jaehde; Influence of the hOCT2 inhibitor cimetidine on the cellular accumulation and cytotoxicity of oxaliplatin; *Int. J. Clin. Pharmacol. Ther.*, **47**, (2009), 51-54.
- 1205 E. Corral, A.C.G. Hotze, H. den Dulk, A. Leczkowska, A. Rodger, M.J. Hannon and J. Reedijk; Ruthenium polypyridyl complexes and their modes of interaction with DNA: Is there a correlation between these interactions and the antitumor activity of the compounds?; *J. Biol. Inorg. Chem.*, **14**, (2009), 439-448.
- 1206 P. de Hoog, A. Robertazzi, I. Mutikainen, U. Turpeinen, P. Gamez and J. Reedijk; An Electron-Poor Host Receptor for Electron-Rich Guests Involving Anion- π and Lone-Pair- π Interactions; *Eur. J. Inorg. Chem.*, (2009), 2684-2690.
- 1207 I.H.L. Hamelers, R. Staffhorst, J. Voortman, B. de Kruijff, J. Reedijk, P. Henegouwen and A. de Kroon; High Cytotoxicity of Cisplatin Nanocapsules in Ovarian Carcinoma Cells Depends on Uptake by Caveolae-Mediated Endocytosis; *Clin. Cancer Res.*, **15**, (2009), 1259-1268.
- 1208 I. Lakomska, H. Kooijman, A.L. Spek, W.Z. Shen and J. Reedijk; Mono- and dinuclear platinum(II) compounds with 5,7-dimethyl-1,2,4-triazolo[1,5-a]pyrimidine. Structure, cytotoxic activity and reaction with 5'-GMP; *Dalton Trans.*, (2009), 10736-10741.
- 1209 A.B.P. Lever, C. Orvig and J. Reedijk; Stan Kirschner-An appreciation; *Coord. Chem. Rev.*, **253**, (2009), 1970-1972.
- 1210 Z.L. Lu, T. Ladrak, O. Roubeau, J. van der Toorn, S.J. Teat, C. Massera, P. Gamez and J. Reedijk; Selective, catalytic aerobic oxidation of alcohols using CuBr₂ and bifunctional triazine-based ligands containing both a bipyridine and a TEMPO group; *Dalton Trans.*, (2009), 3559-3570.
- 1211 P. Marques-Gallego, S. Contaldi, H. den Dulk, M. Monari, J. Brouwer, U. Jaehde, G.V. Kalayda and J. Reedijk; Relevance of the leaving group for antitumor activity of new platinum(II) compounds containing anthracene derivatives as a carrier ligand; *J. Inorg. Biochem.*, **103**, (2009), 1602-1608.
- 1212 P. Marques-Gallego, H. den Dulk, J. Brouwer, S. Tanase, I. Mutikainen, U. Turpeinen and J. Reedijk; Cytotoxic activity and cellular processing in human ovarian carcinoma cell lines of a new platinum(II) compound containing a fluorescent substituted propylene diamine ligand; *Biochem. Pharmacol.*, **78**, (2009), 365-373.
- 1213 P. Marques-Gallego, G.V. Kalayda, U. Jaehde, H. den Dulk, J. Brouwer and J. Reedijk; Cellular accumulation and DNA platination of two new platinum(II) anticancer compounds based on anthracene derivatives as carrier ligands; *J. Inorg. Biochem.*, **103**, (2009), 791-796.
- 1214 C. Michel, P. Belanzoni, P. Gamez, J. Reedijk and E.J. Baerends; Activation of the C-H Bond by Electrophilic Attack: Theoretical Study of the Reaction Mechanism of the Aerobic Oxidation of Alcohols to Aldehydes by the Cu(bipy)₂/2,2,6,6-Tetramethylpiperidiny-1-oxyl Cocatalyst System; *Inorg. Chem.*, **48**, (2009), 11909-11920.
- 1215 A. Mohamadou, G.A. van Albada, I. Mutikainen, U. Turpeinen, J. Marrot and J. Reedijk; Synthesis, crystal structure, hydrogen bonding and spectroscopy of transition-metal complexes with the ligand (N,N'-bis(2-pyridylmethyl)-1,3-propanediamine); *Polyhedron*, **28**, (2009), 2813-2820.
- 1216 T.J. Mooibroek, G. Aromi, M. Quesada, O. Roubeau, P. Gamez, S.D. George, J. van Slageren, S. Yasin, E. Ruiz and J. Reedijk; A Mixed-Valent Pentanuclear (Cu^{II}Cu^I) Compound Containing a Radical-Anion Ligand; *Inorg. Chem.*, **48**, (2009), 10643-10651.
- 1217 P. Phuengphai, S. Youngme, P. Kongsaree, C. Pakawatchai, N. Chaichit, S.J. Teat, P. Gamez and J. Reedijk; Drastic steric effects from, respectively, a hydrogen, a methyl and an ethyl group on the coordination network of a zinc(II)-4,4'-bipyridine-carboxylato ternary system; *Crystengcomm*, **11**, (2009), 1723-1732.
- 1218 J. Reedijk; Platinum Anticancer Coordination Compounds: Study of DNA Binding Inspires New Drug Design; *Eur. J. Inorg. Chem.*, (2009), 1303-1312.
- 1219 A. Robertazzi, A.V. Vargiu, A. Magistrato, P. Ruggerone, P. Carloni, P. de Hoog and J. Reedijk; Copper-1,10-Phenanthroline Complexes Binding to DNA: Structural Predictions from Molecular Simulations; *J. Phys. Chem. B*, **113**, (2009), 10881-10890.
- 1220 S. Roy, P.U. Maheswari, M. Lutz, A.L. Spek, H. den Dulk, S. Barends, G.P. van Wezel, F. Hartl and J. Reedijk; DNA cleavage and antitumor activity of platinum(II) and copper(II) compounds derived from 4-methyl-2-N-(2-pyridylmethyl)aminophenol: spectroscopic, electrochemical and biological investigation; *Dalton Trans.*, (2009), 10846-10860.
- 1221 S. Roy, J.A. Westmaas, F. Buda and J. Reedijk; Platinum(II) compounds with chelating ligands based on pyridine and pyrimidine: Synthesis, characterizations, DFT calculations, cytotoxic assays and binding to a DNA model base; *J. Inorg. Biochem.*, **103**, (2009), 1278-1287.
- 1222 S. Roy, J.A. Westmaas, K.D. Hagen, G.P. van Wezel and J. Reedijk; Platinum(II) compounds with chelating ligands based on pyridine and pyrimidine: DNA and protein binding studies; *J. Inorg. Biochem.*, **103**, (2009), 1288-1297.
- 1223 T. Suchankova, M. Vojtiskova, J. Reedijk, V. Brabec and J. Kasparkova; DNA and glutathione interactions in cell-free media of asymmetric platinum(II) complexes cis- and trans-[PtCl₂(isopropylamine)(1-methylimidazole)]; relations to their different antitumor effects; *J. Biol. Inorg. Chem.*, **14**, (2009), 75-87.
- 1224 S. Tanase, M. Viciano-Chumillas, J.M.M. Smits, R. de Gelder and J. Reedijk; Copper(II) and lanthanoid(III) complexes of a new beta-diketonate ligand with an appended non-coordinating phenol group; *Polyhedron*, **28**, (2009), 457-460.
- 1225 S.S. Tandon, S.D. Bunge, D. Motry, J.S. Costa, G. Aromi, J. Reedijk and L.K. Thompson; Copper Coordination Polymers Based on Single-Chain or Sheet

Structures Involving Dinuclear and Tetranuclear Copper(II) Units: Synthesis, Structures, and Magnetostructural Correlations; *Inorg. Chem.*, **48**, (2009), 4873-4881.

- 1226 J.K. Tang, J.S. Costa, A. Golobic, B. Kozlevcar, A. Robertazzi, A.V. Vargiu, P. Gamez and J. Reedijk; Magnetic Coupling between Copper(II) Ions Mediated by Hydrogen-Bonded (Neutral) Water Molecules; *Inorg. Chem.*, **48**, (2009), 5473-5479.
- 1227 J.K. Tang, J.S. Costa, S. Smulders, G. Molnar, A. Bousseksou, S.J. Teat, Y.G. Li, G.A. van Albada, P. Gamez and J. Reedijk; Two-Step Spin-Transition Iron(III) Compound with a Wide [High Spin-Low Spin] Plateau; *Inorg. Chem.*, **48**, (2009), 2128-2135.
- 1228 T. Tian, I. Mutikainen, G.P. van Wezel, N. Aliaga-Alcalde and J. Reedijk; Chemical, structural and biological studies of cis-[Pt(3-AcPy)₂Cl₂]; *J. Inorg. Biochem.*, **103**, (2009), 1221-1227.
- 1229 G.A. van Albada, I. Mutikainen, U. Turpeinen and J. Reedijk; A unique Cu(II) bis(chlorido)-bridged linear chain compound with 2-amino-5-nitropyrimidine as a bifunctional axial ligand: Synthesis, characterization, crystal structure and hydrogen-bonding system; *Inorg. Chim. Acta*, **362**, (2009), 3373-3376.
- 1230 G.A. van Albada, M.G. van der Horst, W.T. Fu, O. Roubeau, I. Mutikainen, U. Turpeinen and J. Reedijk; Mononuclear and polynuclear halide and nitrate Cu(II) compounds with 1,4,5-triazanaphthalene as a ligand; Characterization, magnetism and X-ray structures; *Inorg. Chim. Acta*, **362**, (2009), 4422-4429.
- 1231 G.A. van Albada, M.G. van der Horst, I. Mutikainen, U. Turpeinen and J. Reedijk; Cu(II) Compounds with Pyrimidine-Based Chelating Ligands, Bridged by a Flexible Alkyl Spacer: Synthesis, Characterisation and X-Ray Structures of Methoxide-Bridged Dinuclear-Based Species; *J. Chem. Cryst.*, **39**, (2009), 358-363.
- 1232 J.A. van Rijn, P. Marques-Gallego, J. Reedijk, M. Lutz, A.L. Spek and E. Bouwman; A novel ruthenium(III) complex with a tridentate dianionic P,O,O-ligand showing high cytotoxic activity; *Dalton Trans.*, (2009), 10727-10730.
- 1233 M. Viciano-Chumillas, S. Tanase, I. Mutikainen, U. Turpeinen, L.J. de Jongh and J. Reedijk; Manganese(III) compounds with phenol-pyrazole based-ligands: impact of the co-ligand and the carboxylate ligand on the trinuclear core $[Mn_3(\nu_3-O)(phpzR)_3(O_2CR')_n]_{(1-n)}$; *Dalton Trans.*, (2009), 7445-7453.

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