



CURRICULUM VITAE

- Name:* **Arne Öhman**
- Birth:* May 31, 1943, Ljusdal, Sweden
- Citizenship:* Swedish
- Family:* Married to **Gunilla Bohlin**, Ph.D.. Professor.
Children: **Martin**, born 1973;
Kristina, born 1980
- Home Address:* Hälsingegatan 7, S-113 23 Stockholm, Sweden
- Phone no:* +46(8)52482456 (office) +46(8)300582 (home)
- E-mail address:* Arne.Ohman@cns.ki.se
- Position:* **Professor Emeritus, Senior Scientist**, Section of Psychology,
Department of Clinical Neuroscience, Karolinska Institute,
S-171 77 Stockholm, Sweden
- Academic degrees:*
- Filosofie kandidat (B.A.)*, 1967 (Psychology, Pedagogy, Sociology),
University of Uppsala, Sweden
- Filosofie licentiat (M.A.)* 1969 (Psychology), University of Uppsala,
Sweden
- Filosofie doktor (Ph.D.)*, 1971 (Psychology), University of Uppsala,
Sweden
- (Dissertation: *Orienting reactions, cognitive processes, and conditioned behavior in long interstimulus interval electrodermal conditioning*, publicly defended October 16, 1971.

Docent, 1972 (Psychology), University of Uppsala, Sweden

Academic Positions:

Amanuens and Assistent, Department of Psychology, **University of Uppsala**, 1966-1970

British Council *Bursar*, Psychiatry Department, **Institute of Psychiatry, London**, England, 1970

Lecturer (e univ lektor), Department of Psychology, **University of Uppsala**, Sweden, 1970-1972

Research Fellow (forskarassistent), Department of Psychology, **University of Uppsala**, Sweden, 1972-1975

Visiting Research Fellow, Department of Psychology, **University of Wisconsin-Madison**, U.S.A., 1975-1976

Professor of Psychology (Somatic Psychology), Department of Somatic Psychology, **University of Bergen**, Norway, 1976-1982

Professor of Clinical Psychology, Department of Clinical Psychology, **University of Uppsala**, Sweden, 1982-1993.

Professor of Psychology, Section of Psychology, Department of Clinical Neuroscience, **Karolinska Institutet**, Stockholm, Sweden, 1993-2010.

Professor Emeritus and Senior Scientist, Section of Psychology, Department of Clinical Neuroscience, **Karolinska Institutet**, Stockholm, Sweden, 2010-

Head, Department of Clinical Neuroscience, **Karolinska Institutet**, Stockholm, Sweden, 2001-2004

Fellow, The Center for Advanced Study in the Behavioral Sciences, Stanford, California, U. S. A., 2005-2006

Awards

Award for Distinguished Contributions to Psychophysiology, awarded at the 41st Meeting with the Society for Psychophysiological Research, Montreal, October 10-14, 2001

Research Grant for "Leading Investigator", Swedish Research Council, 2003 (Half time salary 2004-2009)

Doctor Philosophicus Honoris Causa, University of Bergen, Norway, August 27, 2004

Memberships:

Academies

Member. *The Royal Swedish Academy of Sciences*, 1998-

Member, *Academia Europaea*, 1992-

Foreign Member, *The Finish Academy of Science and Letters*, Helsinki, Finland, 1988-

Nobel Assembly

Elected Member, *The Nobel Assembly*, Karolinska Institutet, 1997-2010

Scientific Organizations and Societies

American Association for the Advancement of Science

Fellow, Association for Psychological Science

Swedish Psychological Association

Swedish Society of Behavioral Medicine

Nordic Society for Psychophysiological Research

The Society for Psychophysiological Research

Offices:

Board of Directors, Swedish Association for Behavior Therapy, 1973-1975

Scientific Council, The Swedish Psychological Association, 1974-1975,
1985-2001, *Chairman*, 1992-1998

Publication Board, Society for Psychophysiological Research, 1978-1981

Board of Directors, Society for Psychophysiological Research, 1980-1983

President Elect, *President*, Past President, Society of Psychophysiological
Research, 1983-1986

Board of Directors (Vice-President), Swedish Society of Behavioral
Medicine, 1986-90

Steering Committee, International Society of Behavioral Medicine, 1988-
1990

Administrative Experience

Head of the Department of Clinical Neuroscience, Karolinska institutet,
2001-2004

Chairman, Governing Board, Department of Psychology, University of
Uppsala, 1973-1974

Prodekanus, Faculty of Psychology, University of Bergen, Norway, 1980-
81.

Chairman, Department of Somatic psychology, University of Bergen,
Norway, 1976-1980.

Member of Faculty Council, Faculties of Social Science and Psychology,
University of Bergen, Norway, 1976-1980, and Faculty of Social Sciences,
University Uppsala, 1984-87 and 1990-92

Member of Board, Department of Clinical Psychology, University of
Uppsala, 1982-1990

Director of Computer and Workshop Unit at the Departments of
Psychology, University of Uppsala, 1988-92

Member of many committees at the Universities of Bergen and Uppsala, and at the Karolinska Institute, e.g. Chairman Curriculum Committee, and Workshop Committee, Faculty of Psychology, University of Bergen, Docentnämnden and the Committee for the Sasakawa Award, Faculty of Social Sciences, University of Uppsala, Board of Doctoral Training, Committee for Doctoral Training Program-"North", and Program Boards, Physical Therapy, Psychologist program, Karolinska Institute.

Work for Research Funding Agencies

Member of Committee on Social Medicine, Swedish Medical Research Council, 1983-86

Member of Committee on Research in Nursing, Swedish Fund for Cancer Research, 1986-1988

Member of Committee on Psychology, Swedish Council for Research in the Humanities and Social Sciences (HSFR), 1986-1989

Elected Member, The Swedish Council for Research in the Humanities and Social Sciences (HSFR), 1989-1995

Deputy-Chairman, The Swedish Council for Research in the Humanities and Social Sciences, 1990-1995

Elected Member, The Swedish Council for Planning and Coordination of Research (FRN), 1990-1995

Chairman, Program for Research on Individual, Society, and Health, The Swedish Council for Planning and Coordination of Research (FRN), 1992-1999.

Member, Standing Committee for Social Science, European Science Foundation, 1992-1995

Member, Committee for Social Science and Social Medicine, The Bank of Sweden Tercentennial Foundation, 1999-2001

Invited International Expert Member, Evaluation Committee for Psychology, Australian Research Council, 1993.

Invited International Expert Member in Committee to Consider means to Promote the Basal Discipline of Psychology, Norwegian Research Council, 1995-2001.

Occasional Reviews of Grant Proposals for National Science Foundation, USA, The Mental Health Foundation, UK, The Natural Science and Engineering Research Council, Canada, Australian Research Council, The Bank of Sweden Tercentenary Foundation, Sweden, Swedish Ministry of Health and Social Affairs, the Commission for Social Research, Sweden, The Swedish Council for Planning and Coordination of Research (FRN).

Organization of Conferences

Co-organizer (with Prof. David Magnusson) Fourth Stockholm Meeting on Interactional Psychology, "Psychopathology in the perspective of person-environment interactions", Stockholm, Sweden, August, 1984.

Program Co-Chairman, and *Chairman of Organizational Committee*, First World Congress of Behavioral Medicine, Uppsala, Sweden, June, 1990.

Vice-President, *Program Chairman* and *Member of The Executive Committee* for the XXVII International Congress of Psychology, Stockholm, 23-28 July 2000.

Program Chairman and Member of Organizational Committee, Man and Mind: Toward a neuroscience of consciousness, Karolinska Millennium Conference sponsored by the Swedish Government, September 24-27, 2000.

Co-organizer, Workshop of Life Style Interventions and Prevention of Coronary Heart Disease, Work Life 2000, Brussels, July 3-4, 2000.

Organizer, Nobel Conference in Medicine on “The Neuroscience of Emotion”, Karolinska institutet. Stockholm, June 9-11, 2005

Co-organizer, Nobel symposium on “*The Enlightened Brain*”, Karolinska institutet, June 6-10, 2010.

Grant Support

Support as Leading Investigator by the Swedish Research Council, SEK 6.000.000, 2004-2009.

Director at the Karolinska Node of the Nordic Center of Excellence in Cognitive Control Financed by the Nordic Research Councils (NOS-HS) (L. Nygren, principal investigator), SEK 2,500,000 2005-2010

Grant from the U.S. National Institute of Mental health as investigator in the Interdisciplinary Behavioral Science Center for Research in Emotion and Attention at the University of Florida, Gainesville (P. J. Lang, principal investigator). Project title: *Exploring the Fear Module of the Human Brain*. USD 750.000 2005-2010

Continuous support from the Swedish Council for Research in the Humanities and Social Sciences for programmatic research on *autonomic conditioning, prepared learning and phobias*, 1969-1977 and for research on *preparedness, emotion and preattentive processing*, 1981- (currently about Sw. Cr. 800.000 per annum)

Grants on Preparedness and Phobias and the Psychophysiology of Schizophrenia from the Norwegian Research Council for Science and the Humanities, 1977-81.

Grants from The Bank of Sweden Tercentenary Foundation for *Heart and Life-style. Strategies of psychological change in Coronary Heart Disease*, and *Individual emotional reactivity, cardiovascular activation and cardiovascular disease 1983-1991*, *The Face of Wrath* (1993-1996), and “*Consciousness and the Brain 1999-2002*) (Total Sw. Cr. 7,700.000), and The Swedish Council for Planning and Coordination of Research (FRN) for *Family interaction, cardiovascular stress reactions, and cardiovascular disease*, 1991-1993 (Total Sw. Cr. 1.200.000:-)

Grants from The Swedish Medical Research Council and The Commission for Social Research, The Ministry of Health and Social Affairs and The Bank of Sweden Tercentenary Foundation for *Vulnerability, stress and schizophrenia: Prognostic factors for relapse in schizophrenic patients*, and *Social adjustment in schizophrenics: Prognostic factors and developmental background*, 1986-1993, *Psychophysiological Studies of Psychosis and Borderline States*, (Total Sw. Cr. 1.200.000.

Editorial responsibilities:

Associate Editor, *Emotion*, 2000-2002, *European Psychologist*, 1995-2000, *Psychophysiology*, 1980-1983, *International Journal of Psychophysiology* 1982-90, *Journal of Psychophysiology*, 1987-90,

Consulting Editor, *Journal of Abnormal Psychology*, 1989-94; *Emotion*, 2006-

Member of Editorial Boards, *British Journal of Clinical Psychology*, 1991-98, *Cognition and Emotion*, 1992-, *Revista de Psicopatología y Psicología Clínica*, 1995-

Corresponding Associate Commentator, *The Behavioral and Brain Sciences*, 1979-

Guest Editor for special issue on European psychophysiology, *Psychophysiology*, 1979-1981, published as no 4, vol 18, 1981

Occasional Reviews: *Behavioral and Brain Sciences*, *Behavioural Research and Therapy*, *Biological Psychology*, *Biological Psychiatry*, *Brain Research*, *Cognition and Emotion*, *Developmental Science*, *Emotion*, *The European Journal of Cognitive Psychology*, *Journal of Behavior Therapy and Experimental Psychiatry*, *Journal of Abnormal Psychology*, *Journal of Cognitive Neuroscience*, *Journal of Experimental Psychology*, *Journal of Neuroscience*, *Journal of Psychophysiology*, *Learning and Motivation*, *Nature Neuroscience*, *Nature Reviews Neuroscience*, *Psychological Review*, *Psychological Science*, *Psychophysiology*, *Psychiatry Research*, *Quarterly Journal of Experimental Psychology*, *Scandinavian Journal of Psychology*, *Science*, *Visual Cognition*

Research and Scholarly interests:

Experimental analysis of psychopathology, especially phobias and schizophrenia; physiological correlates of information processing; the psychology of emotion, brain mechanisms of fear; Life style changes and cardiac rehabilitation; Genetics of Fear Conditioning.

Teaching experience:

Psychophysiology, Stress, and Behavioral Medicine (University of Bergen)

The psychology of learning, Cognitive psychology, Abnormal psychology and Health Psychology, (University of Uppsala)

Psychology as part of neuroscience, psychiatry (Karolinska Institute)

Supervisor of 20 finished Ph. D. students (Staffan Hygge, 1976; Kenneth Hugdahl, 1977, Mats Fredrikson, 1980; Sven Svebak, 1982; Ulf Dimberg, 1983; Lennart Öhlund, 1991; Joaquim J. F. Soares, 1992; Francisco Esteves, 1993; Cristina Parra, 1993; Örjan Sundin, 1993; Christina Hultman, 1996; Anders Flykt 1998; Carina Bildt-Torbjörnsson, 1999; Claes Hofman-Bang, 1999; Daniel Lundqvist, 2003, Katrina Carlsson, 2005; Nina Erixon-Lindroth, 2007; Liselotte Maurex, 2009; Pernilla Juth, 2010, Sandra C. Soares, 2010), Tina Lonsdrof, 2010.

Invited Presentations:

Many *Invited Addresses*, e.g., Key Note Address, 29th International Congress of Psychology, Berlin, Germany, 2008, Invited Address, Alfried Krupp Wissenschaftskolleg Greifswald, Germany, May 2007; Key-Note Address at Germany Experimental Psychology society, Trier Germany, March 2007, Key-Note Address, 28th International Congress of Psychology, Beijing, China, 2004; Summer Institute in Cognitive Neuroscience, Dartmouth College, Hanover, NH, USA, 2002; Invited Address, Feelings and Emotions: The Amsterdam Symposium, Amsterdam, 2001; Invited Address, Society for Psychophysiological Research, Granada, Spain, 1999; Keynote Address, Nordic Congress of Psychology, Helsinki, 1998; Keynote Address, 5th European Congress of Psychology, Dublin, Ireland, 1997; Keynote Address, 7th European Conference on Personality, Madrid, Spain, 1994; State-of-

the-Art-Lecture, 25th World Congress of Psychology, Brussels, 1992; Nordic Psychophysiology Society, 1992; British Psychophysiological Society, 1979, 1990; 18th European Meeting on Psychosomatic Research, Helsinki, Finland, 1990; "Psykologstämman", Swedish Psychological Association, 1990; German Psychophysiological Society, 1989; Center for Graduate Research on Emotion and Psychopathology, Amsterdam, 1989; World Congress of Behavior Therapy, Edinburgh, U. K., 1988; British Psychological Society, 1986; Presidential Address, Society for Psychophysiological Research, 1985; Nordic Psychological Meeting, 1985; Society for Psychophysiological Research, 1978.

Numerous *Invited Conference Presentations*, e.g., Ellison Medical Foundation "Workshop on the biological assessment of mental processes – both conscious and unconscious – and their relevance to psychotherapy research", New York, 2006; "20th Workshop in Cognitive Neuropsychology, Bressanone, Italy 2002; Forum for European Neuroscience, Brighton, UK, 2000; Emotion, Qualia, and Consciousness, Ischia, Italy, 1998; NIMH Workshops on Anxiety, 1997, 1998; World Congress of Behavioural and Cognitive Therapies, Copenhagen, 1995; Memory and Brain, New York, 1995, 23rd International Congress of Applied Psychology, 1994; Electrodermal Activity: From Physiology to Psychology, Tilque, France, 1992; Work, Stress, and Human Welfare: Biopsychosocial Perspectives, Stockholm, Sweden, 1992; Attention and Information Processing in Infants and Adults, Princeton, 1990; 18th European Meeting on Psychosomatic Research, Helsinki, Finland, 1990; International Society for Research on Emotion, Paris, 1989; Search for the Causes of Schizophrenia II, Heidelberg, W. Germany, 1989; Perspectives on Aversively Motivated Behavior, Umeå, Sweden, 1987; Cognitive Science Perspective on Emotion, Motivation, and Cognition, Il Ciocco, Italy, 1987; Energetics and Human Information Processing, Les Arcs, France, 1985; EPIC VI, Chicago, U.S.A., 1981; The Orienting Reflex in Human, The Netherlands, 1978; Biofeedback and Self-Regulation, W. Germany, 1977; Evoked Potentials in man, Brussels, Belgium, 1974.

Many *invited colloquia* at American (e.g. Pennsylvania, Iowa, UCLA, University of Southern California, University of Wisconsin, Rochester, Florida, Western Psychiatric Institute-Pittsburgh, Northwestern, Chicago, Stanford, UC-Berkeley, UC-San Diego), Australian (Sydney, Macquarie, New South Wales), Asian (Hong Kong), European (e.g., Universidad de la Laguna, Tenerife, Spain; Greifswald, Jena and Tübingen, Germany; Trondheim, Norway; Helsinki, Finland), and Swedish (Lund, Gothenburg, Stockholm, Umeå) universities.

Publications

1. Öhman, A. (1971). Differentiation of conditioned and orienting response components in electrodermal conditioning. *Psychophysiology*, **8**, 7-22.
2. Öhman, A. (1971). Interaction between instruction-induced expectance and strength of unconditioned stimulus in GSR conditioning. *Journal of Experimental Psychology*, **88**, 384-390.
3. Öhman, A. (1972). Factor analytically derived components of orienting, defensive, and conditioned behavior in electrodermal conditioning. *Psychophysiology*, **9**, 199-209.
4. Öhman, A., Kaye, J.J., & Lader, M. (1972). Regular interstimulus interval as a critical determinant of short-term "habituation" of the auditory averaged evoked response. *Psychonomic Science*, **27**, 275-278.
5. Öhman, A., & Lader, M. (1972). Selective attention and "habituation" of the auditory averaged evoked response in humans. *Physiology and Behavior*, **8**, 79-85.
6. Öhman, A. (1973). Temporal generalization of electrodermal orienting responses: Comment. *Perceptual and Motor Skills*, **37**, 593-594.
7. Öhman, A., Björkstrand, P.-Å., & Ellström, P.-E. (1973). Effect of explicit trial-by-trial information about shock probability in long interstimulus interval GSR conditioning. *Journal of Experimental Psychology*, **98**, 145-151.
8. Öhman, A., & Bohlin, G. (1973). Magnitude and habituation of the orienting reaction as predictors of discriminative electrodermal conditioning. *Journal of Experimental Research in Personality*, **6**, 293-299.
9. Öhman, A., & Bohlin, G. (1973). The relationship between spontaneous and stimulus-correlated electrodermal responses in simple and discriminative conditioning paradigms. *Psychophysiology*, **10**, 589-500.
10. Öhman, A. (1974). Orienting reactions, expectancy learning, and conditioned responses in electrodermal conditioning with different interstimulus intervals. *Biological Psychology*, **1**, 189-200.
11. Öhman, A. (1974). The relationship between electrodermal and digital vasomotor responses in aversive classical conditioning. *Biological Psychology*, **2**, 17-31.
12. Öhman, A., Eriksson, A., Fredrikson, M., Hugdahl, K., & Olofsson, C. (1974). Habituation of the electrodermal orienting response to potentially phobic and supposedly neutral stimuli in normal human subjects. *Biological Psychology*, **2**, 85-93.
13. Öhman, A. (1975). Fobisk betingning: En laboratorieanalog för experimentell behandlingsforskning. (Phobic conditioning: A laboratory analogue for experimental treatment research). *Scandinavian Journal of Behaviour Therapy*, **4**, 91-106.
14. Öhman, A., Eriksson, A., & Olofsson, C. (1975). One-trial learning and superior resistance to extinction of autonomic responses conditioned to potentially phobic stimuli. *Journal of Comparative and Physiological Psychology*, **88**, 619-627. Reprinted in R. M. Tarpay & R. E. Mayer (Eds.) (1979). *Readings in learning and memory*. Glenview, Ill.: Scott, Foresman, & Co.
15. Öhman, A., Erixon, G., & Löfberg, I. (1975). Phobias and preparedness: Phobic versus neutral pictures as conditioned stimuli for human autonomic responses. *Journal of Abnormal Psychology*, **84**, 41-45. Reprinted in J. M. Neale, G. C. Davison, & K. P. Price (Eds.) (1978). *Contemporary readings in psychopathology*. 2nd ed. New York: Wiley.
16. Öhman, A., MacLean, V., & Lader, M. (1975). Concomitant short-term changes in the auditory evoked response, the EEG, and reaction-time performance in relation to the temporal parameters of stimulation. *Scandinavian Journal of Psychology*, **16**, 177-183.

17. MacLean, V., Öhman, A., & Lader, M. (1975). Effects of attention, activation, and stimulus regularity on short-term "habituation" of the auditory evoked response. *Biological Psychology*, **3**, 57-63.
18. Öhman, A. (1976). Towards experimental models of "mental disease". In S. G. R. Nordström (Ed.) Faculty of social science at Uppsala university. *Acta Universitatis Upsaliensis: Uppsala University 500 years*. Vol. 7. Uppsala: Almqvist & Wiksell, pp. 119-145.
19. Öhman, A., Ellström, P.-E., & Björkstrand, P.-Å. (1976). Subjective estimates of UCS probability and electrodermal responses in a long interstimulus interval paradigm. *Psychophysiology*, **13**, 121-127.
20. Öhman, A., Fredrikson, M., Hugdahl, K., & Rimmö, P.-A. (1976). The premise of equipotentiality in human conditioning: Conditioned electrodermal responses to potentially phobic stimuli. *Journal of Experimental Psychology: General*, **105**, 313-337.
21. Fredrikson, M., Hugdahl, K., & Öhman, A. (1976). Electrodermal conditioning to potentially phobic stimuli in male and female subjects. *Biological Psychology*, **4**, 305-314.
22. Hygge, S., & Öhman, A. (1976). Conditioned electrodermal responses through vicarious instigation and through threat to a performer. *Scandinavian Journal of Psychology*, **17**, 65-72.
23. Hygge, S., & Öhman, A. (1976). The relation of vicarious to direct instigation and conditioning of electrodermal responses. *Scandinavian Journal of Psychology*, **17**, 217-222.
24. Öhman, A., & Lader, M. (1977). Short-term changes of the human auditory evoked potential during repetitive stimulation. In J. E. Desmedt (Ed.) *Progress in Clinical Neurophysiology*, Vol 2. Basel: Karger, Pp. 91-118.
25. Öhman, A., & Hygge, S. (1977). When apple definitions become orange realities in banana theories: Epistemological and psychophysiological considerations on Lindahl's analysis of vicarious instigation research. *Scandinavian Journal of Psychology*, **18**, 92-102.
26. Berggren, T., Öhman, A., & Fredrikson, M. (1977). Locus on control and habituation of the electrodermal orienting response to nonsignal and signal stimuli. *Journal of Personality and Social Psychology*, **35**, 708-716.
27. Hugdahl, K., Fredrikson, M., & Öhman, K. (1977). "Preparedness" and "arousability" as determinants of electrodermal conditioning. *Behaviour Research and Therapy*, **15**, 345-353.
28. Hugdahl, K., & Öhman, A. (1977). Effects of instructions on acquisition and extinction of electrodermal responses to fear-relevant stimuli. *Journal of Experimental Psychology: Human Learning and Memory*, **3**, 608-618.
29. Öhman, A., Fredrikson, M., & Hugdahl, K. (1978). Orienting and defensive responding in the electrodermal system: Palmar-dorsal differences and recovery rate during conditioning to potentially phobic stimuli. *Psychophysiology*, **15**, 93-101.
30. Öhman, A., Fredrikson, M., & Hugdahl, K. (1978). Towards an experimental model of simple phobic reactions. *Behaviour Analysis and Modification*, **2**, 97-114.
31. Öhman, A., Fredrikson, M., & Hugdahl, K. (1978). Reply to S. J. Rachman: Towards an experimental model of simple phobic reactions. *Behaviour Analysis and Modification*, **2**, 240-245.
32. Öhman, A., & Dimberg, U. (1978). Facial expressions as conditioned stimuli for electrodermal responses: A case of "preparedness"? *Journal of Personality and Social Psychology*, **36**, 1251-1258.
33. Hygge, S., & Öhman, A. (1978). Modeling processes in the acquisition of fears: Vicarious electrodermal conditioning to fear-relevant stimuli. *Journal of Personality and Social Psychology*, **36**, 271-279.

34. Lang, P.J., Öhman, A., & Simons, R.F. (1978). The psychophysiology of anticipation. In J. Requin (Ed.) *Attention and performance*. Vol. VII. Hillsdale, N. J.: Erlbaum, pp. 469-485.
35. Öhman, A. (1979). Fear relevance, autonomic conditioning, and phobias: A laboratory model. In P.-O. Sjöden, S. Bates, & W. S. Dockens III (Eds.) *Trends in Behavior Therapy*, New York: Academic Press, pp. 107-133.
36. Öhman, A. (1979). The orienting response, attention, and learning: An information-processing perspective. In H. D. Kimmel, E. H. van Olst, & J. F. Orlebeke (Eds.) *The orienting reflex in humans*. Hillsdale, N. J.: Erlbaum, pp. 443-471.
37. Öhman, A. (1979). Editorial. European psychophysiology. *Psychophysiology*, **16**, 411-412.
38. Öhman, A., & Hugdahl, K. (1979). Instructional control of autonomic respondents: Fear relevance as a critical factor. In N. Birlbaumer & H. D. Kimmel (Eds.) *Biofeedback and self-regulation*. Hillsdale, N. J.: Erlbaum, pp. 149-165.
39. Öhman, A., & Ursin, H. (1979). On the sufficiency of a Pavlovian conditioning model for coping with the complexities of neurosis. *The Behavioral and Brain Science*, **2**, 179-180.
40. Fredrikson, M., & Öhman, A. (1979). Cardiovascular and electrodermal responses during conditioning to fear-relevant stimuli. *Psychophysiology*, **16**, 1-7.
41. Fredrikson, M., & Öhman, A. (1979). Heart-rate and electrodermal orienting responses to simple and complex visual stimuli. *Scandinavian Journal of Psychology*, **20**, 37-41.
42. Simons, R.F., Öhman, A., & Lang, P.J. (1979). Anticipation and response set: Cortical, cardiac, and electrodermal correlates. *Psychophysiology*, **16**, 222-233.
43. Hugdahl, K., & Öhman, A. (1980). Skin conductance conditioning to potentially phobic stimuli as a function of interstimulus interval and delay versus trace paradigm. *Psychophysiology*, **17**, 348-355.
44. Berg, G., Laberg, J.C., Skutle, A., & Öhman, A. (1981). Instructed versus pharmacological effects of alcohol in alcoholics and social drinkers. *Behaviour Research and Therapy*, **19**, 55-66.
45. Öhman, A., & Lang, P.J. (Eds.) (1981) European psychophysiology. *Psychophysiology*, **18**, 359-489.
46. Öhman, A. (1981). Electrodermal activity and vulnerability to schizophrenia: A review. *Biological Psychology*, **12**, 87-145.
47. Öhman, A. (1981). The role of experimental psychology in the scientific analysis of psychopathology. *International Journal of Psychology*, **16**, 299-321.
48. Öhman, A. (1983). The orienting response during Pavlovian conditioning. In: D. A. T. Siddle (Ed.) *Orienting and habituation: Perspectives in human research*. Chichester: Wiley, 315-369.
49. Dimberg, U., & Öhman, A. (1983). The effects of directional facial cues on electrodermal conditioning to facial stimuli. *Psychophysiology*, **20**, 160-167.
50. Öhman, A. (1983). Part VI. Evaluating evaluative conditioning: Some comments on "Cognitions, evaluations, and conditioning: Rules of sequence and rules of consequence" by Levey and Martin. *Advances in Behaviour Research and Therapy*, **4**, 213-218.
51. Alm, T., Lindström, L.H., Öst, L.-G., & Öhman, A. (1984). Electrodermal nonresponding in schizophrenia: Relationships to attentional, clinical, biochemical, computed tomographical and genetic factors. *International Journal of Psychophysiology*, **1**, 195-208.
52. Donchin, E., Heffley, E., Hillyard, S.A., Loveless, N., Maltzman, I., Öhman, A., Rösler, F., Ruchkin, D., & Siddle, D. (1984). Cognitions and event-related potentials: II. The orienting reflex and P300. *Annals of the New York Academy of Sciences*, **425**, 39-57.

53. Öhman, A., & Dimberg, U. (1984). An evolutionary perspective on human social behavior. In W. M. Waid (Ed.) *Sociophysiology*. New York: Springer, pp 47-86.
54. Öhman, A., Dimberg, U., & Öst, L.-G. (1985). Animal and social phobias: Biological constraints on learned fear responses. In S. Reiss & R. R. Bootzin (Eds.) *Theoretical issues in behavior therapy*. New York: Academic Press, pp 123-175.
55. Öhman, A. (1985). Psykologiska och biologiska faktorer i emotioner: Fobier som prototyp för en interaktionistisk analys. (Psychological and biological factors in emotions: Phobias as prototypes for an interactional analysis). In B. Törestad & L. Nystedt (Eds.) *Människa-omvärld i samspel*. En bok om interaktionistisk psykologi. Stockholm: Natur och Kultur, pp. 27-47.
56. Öhman, A. (1986). Integrating energetic and information processing concepts: Emotions as keys to a functional-evolutionary perspective. In R. Hockey, A. Gaillard, & M. Coles (Eds.) *Energetics and human information processing*. Dordrecht, The Netherlands: Martinus Nijhoff.
57. Öhman, A. (1986). Face the beast and fear the face: Animal and social fears as prototypes for evolutionary analyses of emotion. *Psychophysiology*, **23**, 123-145.
58. Öhman, A. (1986). Om emotioners biologiska, inlärda och omedvetna ursprung. (On the biological, learned, and unconscious origin of emotions). In L. Sjöberg (Ed.) *Svensk psykologisk forskning av idag: Studiet av känslor, varseblivning, tänkande och personlighet*. (Contemporary Swedish Psychology: The study of emotions, perception, thinking and personality). Stockholm: Humanistisk-samhällsvetenskapliga forskningsrådet, pp. 101-113.
59. Burell, G., Sundin, Ö., Ström, G., & Öhman, A. (1986). Heart and Lifestyle: A Type A treatment program for myocardial infarction patients. *Scandinavian Journal of Behaviour Therapy*, **15**, 87-93.
60. Öhman, A., Nordby, H., & d'Elia, G. (1986). Orienting and schizophrenia: Stimulus significance, attention, and distraction in a signaled reaction time task. *Journal of Abnormal Psychology*, **95**, 326-334.
61. Öhman, A. (1987). The psychophysiology of emotion: An evolutionary-cognitive perspective. In P. K. Ackles, J. R. Jennings, & M. G. H. Coles (Eds.) *Advances in psychophysiology*, Vol. 2, Greenwich, CT: JAI Press, pp. 79-127.
62. Öhman, A. (1987). Evolution, learning, and phobias: An interactional analysis. In D. Magnusson & A. Öhman (Eds.) *Psychopathology: An interactional perspective*. New York: Academic Press, pp 143-158.
63. Öhman, A., & Bohlin, G. (1987). Barry's unification of matter, mind, and body: One mental process for each polygraph channel. In P. K. Ackles, J. R. Jennings, & M. G. H. Coles (Eds.) *Advances in psychophysiology*, Vol. 2, Greenwich, CT: JAI Press, pp 259-270.
64. Magnusson, D., & Öhman, A. (Eds.). (1987). *Psychopathology: An interactional perspective*. New York: Academic Press.
65. Öhman, A., & Magnusson, D. (1987). An interactional paradigm for research on psychopathology. In D. Magnusson & A. Öhman (Eds.) *Psychopathology: An interactional perspective*. New York: Academic Press, pp. 3-21.
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