

Curriculum Vitae

RANDY THORNHILL

Current: Distinguished Professor Emeritus, The University of New Mexico

Address: Department of Biology, MSC03 2020, 1 University of New Mexico, Albuquerque, NM, 87131-0001. Office Tel.: 505/277-9516; E-mail: rthorn@unm.edu

Degrees: B.S., Zoology, Auburn University, 1968
M.S., Entomology, Auburn University, 1970
Ph.D., Zoology, The University of Michigan, 1974

Ph.D. Dissertation: Evolutionary Ecology of the Mecoptera (Insecta). 633 pp.

Selected Positions Held:

Editorial Board, *Proceedings of the Royal Society of London*, 2005–09.

Editorial Board, *Evolution & Human Behavior* (formerly *Ethology & Sociobiology*), 1997–2005

Editorial Board, *Zoology: Analysis of Complex Systems*.

Professor, Nordic Council Course on Sexual Selection, University of Helsinki, Tvärminne Biological Field Station, 1992.

Visiting Professor, Vienna University, 1992.

Visiting Professor, Laboratory of Ethology, Kyoto University, 1991.

Visiting Professor, Laboratory of Entomology & Nematology, Nagoya University, 1991.

Associate Editor, *Evolution*, 1990–93.

Executive Committee, North American Councilor, International Society for Behavioral Ecology, 1989–92.

Consulting Editor, *Journal of Comparative Psychology*, 1989–95.

Faculty Scholar, 1988, The University of New Mexico.

Distinguished Ecologist Lecturer, Colorado State University, 1987.

Distinguished Visiting Scholar, Rocky Mountain Biological Laboratory, 1986.

Research Lecturer, The University of New Mexico, 1986 (UNM's highest award to a faculty member)

Visiting Research Fellow, University of Melbourne, 1982.

Visiting Research Professor, Museum of Zoology, University of Michigan, 1981–86.

Distinguished Ecologist Lecturer, University of Texas (Austin), 1981.

National Science Foundation advisory panel, Behavioral and Neural Sciences Program (Psychobiology), 1979–81.

The University of New Mexico—Distinguished Professor Emeritus, 2015–present.

The University of New Mexico—Distinguished Professor, 2001–2015.

The University of New Mexico—Regents' Professor, 1993–2015.

The University of New Mexico—Professor of Biology, 1986–2015.

The University of New Mexico—Associate Professor of Biology, 1981–86.

The University of New Mexico—Assistant Professor of Biology, 1975–81.

University of Florida—Research Entomologist in Department of Entomology and Nematology, 1974–75.

Selected Honors, Fellowships and Distinctions:

President Elect, President, Past President, Human Behavior and Evolution Society, 2010–15.

Publications cited approximately 21,000 times over the period of 1977–present.

Fellow of the Animal Behavior Society, 1993.

Fellow, 1991, Japan Society for Promotion of Science, 1991.

Distinguished Entomologist, H.D. Lund Award, Department of Entomology, University of Georgia, 1994.

Senior Distinguished Scientist Award of the Alexander Von Humboldt Foundation (FRG), 1990.

Harry Frank Guggenheim Fellow, 1988–89.

Books:

2014 R. Thornhill and C.L. Fincher. *The Parasite-stress Theory of Values and Sociality: Infectious Disease, History and Human Values Worldwide*. New York, NY: Springer.

2008 R. Thornhill and S.W. Gangestad. *The Evolutionary Biology of Human Female Sexuality*. New York, NY: Oxford University Press.

2000 R. Thornhill and C.T. Palmer. *A Natural History of Rape: Biological Bases of Sexual Coercion*. MIT Press.

1983 R. Thornhill and J. Alcock. *The Evolution of Insect Mating Systems*. Cambridge: Harvard University Press.

Selected Publications:

In press R. Thornhill and C.L. Fincher. The Parasite-stress theory of cultural values and sociality. *Cambridge Handbook of Evolutionary Perspectives on Human Behavior*, L. Workman, W. Reader and J. Barkow, Eds. Cambridge, U.K.: Cambridge University Press.

2017 E.H. Hagen and R. Thornhill. Testing the psychological pain hypothesis for postnatal depression: Reproductive success vs. evidence of design. *Evolution, Medicine, and Public Health* [2017]: 17–23.

2017 C.L. Fincher and R. Thornhill. Pathogen-stress Theory. *Encyclopedia of Personality and Individual Differences*, V. Zeigler-Hill and T.K. Shackelford, Eds. New York, NY: Springer.

2017 R. Thornhill. Randy Thornhill. *Encyclopedia of Personality and Individual Differences*, V. Zeigler-Hill and T.K. Shackelford, Eds. New York, NY: Springer.

2017 R. Thornhill. Randy Thornhill. *Encyclopedia of Animal Cognition and Behavior*, V. Zeigler-Hill and T.K. Shackelford, Eds. New York, NY: Springer.

2015 R. Thornhill. Cryptic female choice: A tale about a boy who loved flies. Forward in *Cryptic Female Choice in Arthropods: Patterns, Mechanisms and Prospects*, A.V. Peretti and A. Aisenberg, Eds. New York, NY: Springer.

2015 S.W. Gangestad, R. Thornhill and C.E. Garver-Apgar. Women's sexual interests across the ovulatory cycle: Function and phylogeny. Pp. 403-426 in *Handbook of Evolutionary Psychology*, 2nd Edition, D.M. Buss, Ed. Wiley, New York, NY.

2015 R. Thornhill and C.L. Fincher. The parasite-stress theory of sociality and the behavioral immune system. Pp. 419-438 in *Evolutionary Perspectives of Social Psychology*, V. Zeigler-Hill, L. Welling and T.K. Shackelford, Eds. New York, NY: Springer.

2015 R. Thornhill and S. Gangestad. The functional design and phylogeny of women's sexuality. Pp. 149-184 in *The Evolution of Sexuality*, T.K. Shackelford and R. Hansen, Eds. New York, NY: Springer.

2014 R. Thornhill and C.L. Fincher. The parasite-stress theory of sociality, the behavioral immune system, and human social and cognitive uniqueness. *Evolutionary Behavioral Sciences* 8:257-264.

2014 J. Alcock and R. Thornhill. The evolution of insect mating systems. Pp. 275-278 in *The Evolution of Insect Mating Systems*, D.M. Shuker and L.W. Simmons, Eds. New York, NY: Oxford University Press.

2014 S.W. Gangestad, C.E. Garver-Apgar, A.J. Cousins and R. Thornhill. Intersexual conflict across women's ovulatory cycle. *Evolution and Human Behavior* 35:302-308.

Selected Publications (cont.):

- 2013 R. Thornhill and C.L. Fincher. The comparative method in cross-cultural and cross-species research. *Evolutionary Biology* 40:480-493.
- 2013 N.M. Grebe, S.W. Gangestad, C.E. Garver-Apgar, and R. Thornhill. Women's luteal-phase sexual proceptivity and the functions of extended sexuality. *Psychological Science* 24:2106-2010.
- 2013 R. Thornhill and C.L. Fincher. The parasite-driven-wedge model of parapatric speciation. *Journal of Zoology* 291:23-33.
- 2013 R. Thornhill and C.L. Fincher. Commentary on Hackman, J. And Hruschka, D. (2013). Fast life histories, not pathogens, account for state-level variation in homicide, child maltreatment, and family ties in the U.S. *Evolution and Human Behavior* 34:118-124.
- 2013 R. Thornhill, J.F. Chapman and S.W. Gangestad. Women's preferences for men's scents associated with testosterone and cortisol levels: Patterns across the ovulatory cycle. *Evolution and Human Behavior* 34:216-221.
- 2012 K. Letendre, C.L. Fincher and R. Thornhill. Parasite stress, collectivism, and warfare. Pp. 351-371 in *The Oxford Handbook of Evolutionary Perspectives on Violence, Homicide, and War*, T. Shackelford and V. Weekes-Shackelford, eds. New York, NY: Oxford University Press.
- 2012 C.L. Fincher and R. Thornhill. The parasite-stress theory may be a general theory of culture and sociality (authors' response to commentators). *Behavioral and Brain Science* 35:99-119.
- 2012 C.L. Fincher and R. Thornhill. Parasite-stress promotes in-group assortative sociality: The cases of strong family ties and heightened religiosity. *Behavioral and Brain Science* 35:61-79.
- 2011 C. Eppig, C.L. Fincher and R. Thornhill. Parasite prevalence and the distribution of intelligence among the states of the U.S.A. *Intelligence* 39:155-160.
- 2011 R. Thornhill and C.L. Fincher. Parasite stress promotes homicide and child maltreatment. *Philosophical Transactions of the Royal Society of London B* 366:3466-3477.
- 2010 A.D. Hoben, A.P. Buunk, C.L. Fincher, R. Thornhill and M. Schaller. On the adaptive origins and maladaptive consequences of human inbreeding: Parasite prevalence, immune functioning, and consanguineous marriage. *Evolutionary Psychology* 8:658-676.
- 2010 S.W. Gangestad, R. Thornhill and C.E. Garver-Apgar. Fertility in the cycle predicts women's interest in sexual opportunism. *Evolution and Human Behavior* 31:400-411.
- 2010 S.W. Gangestad, R. Thornhill and C.E. Garver-Apgar. Men's facial masculinity predicts changes in their female partners' sexual interests across the ovulatory cycle, whereas men's intelligence does not. *Evolution and Human Behavior* 31:412-424.
- 2010 K. Letendre, C.L. Fincher and R. Thornhill. Does infectious disease cause global variation in the frequency of intrastate armed conflict and civil war? *Biological Reviews* 85:669-683.
- 2010 C. Eppig, C.L. Fincher and R. Thornhill. Parasite prevalence and the worldwide distribution of cognitive ability. *Proceedings of the Royal Society B* doi: 10.1098/rspb.2010.0973.
- 2010 R. Thornhill, C.L. Fincher, D.R. Murray and M. Schaller. Zoonotic and non-zoonotic diseases in relation to human personality and societal values: Support for the parasite-stress model. *Evolutionary Psychology* 8(2):151-169.
- 2009 A.P. Møller, C.L. Fincher and R. Thornhill. Why men have shorter lives than women: Effect of resource availability, infectious disease, and senescence. *American Journal of Human Biology* 21:257-364.
- 2009 R. Thornhill, C.L. Fincher and D. Aran. Parasites, democratization, and the liberalization of values across contemporary countries. *Biological Reviews* 84:113-131.
- 2008 R. Thornhill and S.W. Gangestad. *The Evolutionary Biology of Human Female Sexuality*. New York, NY: Oxford University Press.

Selected Publications (cont.):

- 2008 P.W. Andrews, S.W. Gangestad, M.G. Haselton, G.F. Miller, R. Thornhill and M.C. Neale. Sex differences in detecting sexual infidelity: Results of a maximum likelihood method for analyzing the sensitivity of sex differences to under-reporting. *Human Nature* 19:347-373.
- 2008 C.L. Fincher and R. Thornhill. Assortative sociality, limited dispersal, infectious disease, and the genesis of global pattern of religious diversity. *Proceedings of the Royal Society of London B* 275:2587-2594.
- 2008 C.L. Fincher and R. Thornhill. A parasite-driven wedge: Infectious diseases may explain language and other biodiversity. *Oikos* 117:1289-1297.
- 2008 C.E. Garver-Apgar, S.W. Gangestad and R. Thornhill. Hormonal correlates of women's mid-cycle preference for the scent of symmetry. *Evolution and Human Behavior* 29:223-232.
- 2008 C.L. Fincher, R. Thornhill, D.R. Murray and M. Schaller. Pathogen prevalence predicts human cross-cultural variability in individualism/collectivism. *Proceedings of the Royal Society of London B* 275:1279-1285.
- 2008 S.W. Gangestad and R. Thornhill. Human oestrus. *Proceedings of the Royal Society of London B* 275:991-1000.
- 2007 R. Thornhill and C.L. Fincher. What is the relevance of attachment and life history to political values? *Evolution and Human Behavior* 28:215-222.
- 2007 R. Thornhill. The importance of developmental biology to evolutionary biology and vice versa. Pp. 203-209 in *The Evolution of Mind: Fundamental Questions and Controversies*, S.W. Gangestad and J. A. Simpson, eds. Guilford Publications, Inc., New York, NY.
- 2007 R. Thornhill. The evolution of woman's estrus, extended sexuality and concealed ovulation and their implications for human sexuality research. Pp. 391-396 in *The Evolution of Mind: Fundamental Questions and Controversies*, S.W. Gangestad and J. A. Simpson, eds. Guilford Publications, Inc., New York, NY.
- 2007 R. Thornhill. Comprehensive knowledge of human evolutionary history requires both adaptationism and phylogenetics. Pp. 31-37 in *The Evolution of Mind: Fundamental Questions and Controversies*, S.W. Gangestad and J. A. Simpson, eds. Guilford Publications, Inc., New York, NY.
- 2007 S.W. Gangestad and R. Thornhill. The evolution of social inference processes: The importance of signaling theory. Pp. 33-48 in *Evolution and the Social Mind*, J.P. Forgas, M.G. Haselton and W. von Hippel, eds. Psychology Press, New York, NY.
- 2006 R. Thornhill. Foreword: Human sperm competition and woman's dual sexuality. Pp. v-xvii in *Sperm Competition in Humans: Classic and Contemporary Readings*, T. K. Shackelford and N. Pound, eds. Springer-Verlag Press, New York, NY.
- 2006 R. Thornhill and S.W. Gangestad. Facial sexual dimorphism, developmental stability and susceptibility to disease in men and women. *Evolution and Human Behavior* 27:131-144.
- 2006 C.E. Garver-Apgar, S.W. Gangestad, R. Thornhill, R. Miller and J. Olp. Major histocompatibility complex genes, sexual responsibility, and unfaithfulness in romantic couples. *Psychological Science* 17:830-835.
- 2006 M. McIntyre, S.W. Gangestad, P.B. Gray, J.F. Chapman, T.C. Burnham, M.T. O'Rourke and R. Thornhill. Romantic involvement often reduces men's testosterone levels—but not always: The moderating role of extrapair sexual interest. *Journal of Personality and Social Psychology* 91:642-651.
- 2005 S.W. Gangestad, R. Thornhill and C.E. Garver-Apgar. Adaptations to ovulation: Implications for sexual and social behavior. *Current Directions in Psychological Science* 14:312-316.
- 2005 S.W. Gangestad, R. Thornhill and C.E. Garver-Apgar. Women's sexual interests across the ovulatory cycle depend on primary partner developmental instability. *Proceedings of the Royal Society of London B* 272:2023-2027.

Selected Publications (cont.):

- 2005 S.W. Gangestad, R. Thornhill and C.E. Garver-Apgar. Adaptations to ovulation. Pp. 344-371 in *The Handbook of Evolutionary Psychology*, D.M. Buss, ed. John Wiley and Sons, Hoboken, NJ.
- 2005 A.P. Møller, R. Thornhill and S.W. Gangestad. Direct and indirect tests for publication bias: Asymmetry and sexual selection. *Animal Behaviour* 70:497-506.
- 2004 R. Thornhill and S.W. Gangestad. The evolutionary psychology of human physical attraction and attractiveness. Pp. 247-259 in *Evolution: From Molecules to Ecosystems*, A. Moya and E. Font, eds. Oxford University Press.
- 2004 S.W. Gangestad and R. Thornhill. Female multiple mating and genetic benefits in humans: Investigations of design. Pp. 90-116 in *Sexual Selection in Primates*, P. Kappler and C. van Schaik, eds. Cambridge University Press, Cambridge, UK.
- 2004 R. Thornhill and C.T. Palmer. Evolutionary life history perspective on rape. Pages 249-274 in *Evolutionary Psychology, Public Policy and Personal Decisions*, C. Crawford and C. Salmon, eds. Lawrence Erlbaum, Mahwah, NJ.
- 2003 C.T. Palmer and R. Thornhill. Straw men and fairy tales: Evaluating reactions to *A Natural History of Rape*. *Journal of Sex Research* 40:249-255.
- 2003 R. Thornhill, S.W. Gangestad, R. Miller, G. Scheyd, J. Knight and M. Franklin. Major Histo-compatibility Complex, symmetry, and body scent attractiveness in men and women. *Behavioral Ecology* 14:668-678.
- 2003 R. Thornhill and C.T. Palmer. Rape and evolution: A reply to our critics. *Psychology, Evolution and Gender* 4:283-296.
- 2003 K. Grammer, B. Fink, A.P. Møller and R. Thornhill. Darwinian aesthetics: Sexual selection and the biology of beauty. *Biological Reviews* 78:385-407.
- 2003 R. Thornhill and S.W. Gangestad. Evolutionary theory leads to evidence for a male sex pheromone that signals symmetry. *Psychological Inquiry* 14:316-323.
- 2003 C.T. Palmer and R. Thornhill. A posse of good citizens brings outlaw evolutionists to justice. A response to *Evolution, Gender and Rape* (2003, ed. by C.B. Travis, MIT Press, Cambridge, MA). *Evolutionary Psychology* 1:12-27.
- 2003 R. Thornhill and S.W. Gangestad. Do women have evolved adaptation for extra-pair copulation? Pp. 341-368 in *Evolutionary Aesthetics*, K. Grammer and E. Volland, eds. Springer-Verlag, Berlin, Germany.
- 2003 R. Thornhill. Darwinian aesthetics informs traditional aesthetics. Pp. 9-38 in *Evolutionary Aesthetics*, K. Grammer and E. Volland, eds. Springer-Verlag, Berlin, Germany.
- 2003 C.T. Palmer and R. Thornhill. Rape and evolution: A reply to our critics. *Psychology, Evolution and Gender* 4:283-296.
- 2003 S.W. Gangestad and R. Thornhill. Fluctuating asymmetry, developmental stability, and fitness: Toward a model-based interpretation. Pp. 62-80 in *Developmental Instability: Causes and Consequences*, M. Polak, ed. Oxford University Press, New York.
- 2003 S.W. Gangestad and R. Thornhill. Facial masculinity and fluctuating asymmetry. *Evolution and Human Behavior* 24:231-241.
- 2003 M. Polak, A.P. Møller, S.W. Gangestad, D.E. Kroeger, J.T. Manning and R. Thornhill. Does an individual asymmetry parameter exist? A meta-analysis. Pp. 81-98 in *Developmental Instability: Causes and Consequences*, M. Polak, ed. Oxford University Press, New York.
- 2003 J. Radwan, P. Watson, J. Farslow and R. Thornhill. Procrustean analysis of fluctuating asymmetry in the bulb mite *Rhizoglyphus robini* Claparede (Astigmata: Acaridae). *Biological Journal of the Linnean Society* 80:499-505.

Selected Publications (cont.):

- 2002 Gangestad, S.W., R. Thornhill and C. Garver. 2002. Changes in women's sexual interest and their partners' mate retention tactics across the menstrual cycle. *Proceedings of the Royal Society of London B* 269:975-982.
- 2002 Kowner, R. and R. Thornhill. 2002. The imperfect organism: On the concept of asymmetry and its significance in humans, non-human animals and plants. *Symmetry, Culture and Science* 10:227-243.
- 2002 K. Grammer, B. Fink, R. Thornhill, A. Juetten and G. Runzal. Female faces and bodies: N-dimensional feature space and attractiveness. In *Facial Attractiveness: Evolutionary, Cognitive and Social Perspectives*, G. Rhodes and L.A. Zebrowitz, eds. Greenwood Publishers Group, Westport, CT.
- 2001 S. Gangestad, K. Bennett and R. Thornhill. A latent variable model of developmental instability in relation to men's sexual behavior. *Proceedings of the Royal Society of London B* 268:1677-1684.
- 2001 R. Thornhill and C.T. Palmer. New preface to paperback edition of *A Natural History of Rape: Biological Bases of Sexual Coercion*. [Http://mitpress.mit.edu/thornhill-preface.html](http://mitpress.mit.edu/thornhill-preface.html).
- 2001 C.T. Palmer and R. Thornhill. Serial rape: An evolutionary perspective. Pp. 51-65 in *Serial Offenders: Current Thought, Recent Findings, Unusual Syndromes*, L.B. Schlesinger, ed. CRC Press.
- 2001 C.T. Palmer, R. Thornhill and D.N. Dibri. Biology, sex and the debate over chemical castration. In *Sexual Violence: Policies, Practice and Challenges*, J.F. Hodgson and D.S. Kelly, eds. Praeger.
- 2001 B. Fink, K. Grammer and R. Thornhill. Human (*Homo sapiens*) facial attractiveness in relation to skin texture. *Journal of Comparative Psychology* 115:92-99.
- 2000 D. Concar and R. Thornhill. Opinion interview: Randy Thornhill. *New Scientist* 165:44-47.
- 2000 R. Thornhill and C.T. Palmer. The evolutionary basis of rape. *London Times Higher Education Supplement*, February 4, pp. 17, 20.
- 2000 J.T. Manning, R.L. Trivers, R. Thornhill and D. Singh. The 2nd:4th digit ratio and asymmetry of performance in Jamaican children. *Laterality* 5:121-132.
- 2000 R. Thornhill and C.T. Palmer. What *A Natural History of Rape* really says. *The Independent*, February 21, p. 5.
- 2000 R. Thornhill and C.T. Palmer. Just why do men rape, authors' reply. *The Sciences*, pp. 6, 46-47.
- 2000 R. Thornhill and C.T. Palmer. *A Natural History of Rape: Biological Bases of Sexual Coercion*. MIT Press.
- 2000 R. Thornhill and C.T. Palmer. Why men rape. *The Sciences* 40:30-36.
- 2000 J.T. Manning, L. Barley, J. Walton, D.I. Lewis-Jones, R.L. Trivers, D. Singh, R. Thornhill, P. Rohde, T. Bereczkei, P. Henzi, M. Soler and A. Szved. The 2nd:4th digit ratio, sexual dimorphism, population differences and reproductive success: Evidence for sexually antagonistic genes? *Evolution and Human Behavior* 21: 163-183.
- 1999 R. Thornhill and S.W. Gangestad. Facial attractiveness. *Trends in Cognitive Sciences* 3:452-460.
- 1999 R. Thornhill. The biology of human rape. *Jurimetrics* 39:137-147.
- 1999 R. Thornhill. Sexual attraction, the evolutionary psychology of. Pp. 751-753 in *The MIT Encyclopedia of the Cognitive Sciences*, eds. R.A. Wilson and F.C. Keil. Boston, MA: MIT Press.
- 1999 R. Thornhill and K. Grammer. The body and face of woman: One ornament that signals quality? *Evolution and Human Behavior* 20:105-120.
- 1999 R. Thornhill and S.W. Gangestad. The scent of symmetry: A human sex pheromone that signals fitness? *Evolution and Human Behavior* 20:175-201.
- 1999 R. Thornhill, A.P. Møller and S.W. Gangestad. The biological significance of fluctuating asymmetry and sexual selection: A reply to Palmer. *American Naturalist* 154:234-241.
- 1999 A.P. Møller, S.W. Gangestad and R. Thornhill. Nonlinearity and the importance of fluctuating asymmetry as a predictor of fitness. *Oikos* 86:366-368.

Selected Publications (cont.):

- 1999 J.E. Scheib, S.W. Gangestad and R. Thornhill. Facial attractiveness, symmetry and cues of good genes. *Proceedings of the Royal Society of London B* 266:1913-1918.
- 1999 J. Manning, R. Trivers, D. Singh and R. Thornhill. The mystery of female beauty. *Nature* 399:214-215.
- 1999 S.W. Gangestad and R. Thornhill. Individual differences in developmental precision and fluctuating asymmetry: A model and its implications. *Journal of Evolutionary Biology* 12:402-416.
- 1999 R. Trivers, J. Manning, R. Thornhill, D. Singh and M. McGuire. The Jamaican symmetry project: Long-term study of fluctuating asymmetry in rural Jamaican children. *Human Biology* 71:417-430.
- 1998 R. Thornhill and A.P. Møller. The relative importance of size and asymmetry in sexual selection. *Behavioral Ecology* 9:546-551.
- 1998 G. Arnqvist and R. Thornhill. Evolution of animal genitalia: Patterns of phenotypic and genotypic variation and condition-dependence of genital and non-genital morphology in a water strider (Heteroptera: Gerridae). *Genetical Research* 71:193-212.
- 1998 A. Møller and R. Thornhill. Male parental care, differential parental investment by females and sexual selection. *Animal Behaviour* 55:1507-1515.
- 1998 R. Thornhill and F. Bryant Furlow. Stress and human behavior: Attractiveness, women's sexual development, post-partum depression, and baby's cry. Pp. 319-369 in *Advances in the Study of Behavior*, ed. P.J.B. Slater, M. Milinski and A. Møller. New York, NY: Academic Press.
- 1998 S.W. Gangestad and R. Thornhill. Menstrual cycle variation in women's preferences for the scent of symmetrical men. *Proceedings of the Royal Society of London B*, 265:927-933.
- 1998 A. Møller and R. Thornhill. Developmental stability and sexual selection: A meta-analysis. *American Naturalist* 151:174-192.
- 1998 S.W. Gangestad and R. Thornhill. The analysis of fluctuating asymmetry redux: The robustness of parametric statistics. *Animal Behaviour* 55:497-501.
- 1998 R. Thornhill. Darwinian aesthetics. Pp. 543-572 in *Handbook of Evolutionary Psychology: Ideas, Issues and Applications*, eds. C. Crawford and D. Krebs. Mahwah, NJ: Lawrence Erlbaum Assoc.
- 1997 R. Thornhill and A.P. Møller. Developmental stability, disease and medicine. *Biological Reviews* 72:497-548.
- 1997 R. Thornhill. The concept of an evolved adaptation. Pp. 4-13 in *Characterizing Human Psychological Adaptations*, eds. G. Bock and G. Cardew. London: CIBA Foundation.
- 1997 G. Arnqvist, R. Thornhill and L. Rowe. Evolution of animal genitalia: Genital and non-genital morphology correlates of fitness components in a water strider. *Journal of Evolutionary Biology* 10:613-640.
- 1997 A. Møller and R. Thornhill. Developmental instability is heritable: Reply. *Journal of Evolutionary Biology* 10:69-70.
- 1997 F.B. Furlow, T. Armijo-Prewitt, S.W. Gangestad and R. Thornhill. Psychometric intelligence and fluctuating asymmetry. *Proceedings of the Royal Society of London B*, 264.
- 1997 S.W. Gangestad and R. Thornhill. The evolutionary psychology of extra-pair sex: The role of fluctuating asymmetry. *Evolution and Human Behavior* 18:69-88.
- 1997 S.W. Gangestad and R. Thornhill. Human sexual selection and developmental stability. Pp. 169-195 in *Evolutionary Social Psychology*, eds. J.A. Simpson and D.T. Kenrick. Mahwah, NJ: Lawrence Erlbaum Assoc.
- 1997 A. Møller and R. Thornhill. A Meta-analysis of the heritability of fluctuating asymmetry. *Journal of Evolutionary Biology* 10:1-16.
- 1997 R. Thornhill. Rape-victim psychological pain revisited. Pp. 239-249 in *Evolution and Human Behavior: A Critical Reader*, ed. Laura Betzig. Oxford University Press.

Selected Publications (cont.):

- 1997 J.T. Manning, R.L. Trivers, R. Thornhill, D. Singh, J. Denman, M.H. Eklo, and R.H. Anderton. Ear asymmetry and left-side cradling. *Evolution and Human Behavior* 18:327-340.
- 1996 R. Thornhill and S.W. Gangestad. Human female copulatory orgasm: A human adaptation or phylogenetic legacy? *Animal Behaviour* 52:853-855.
- 1996 R. Thornhill and S.W. Gangestad. The evolution of human sexuality. *Trends in Ecology and Evolution* 11:98-102.
- 1996 B. Furlow and R. Thornhill. The orgasm wars. *Psychology Today* 29:42-46.
- 1995 A.P. Møller, M. Soler and R. Thornhill. Breast asymmetry, sexual selection and human reproductive success. *Ethology and Sociobiology* 16:207-219.
- 1995 R. Thornhill, S.W. Gangestad and R. Comer. Human female orgasm and mate fluctuating asymmetry. *Animal Behaviour* 50:1601-1615.
- 1994 R. Thornhill and S.W. Gangestad. Fluctuating asymmetry correlates with lifetime sex partner numbers and age at first sex in *Homo sapiens*. *Psychological Science* 5:297-302.
- 1994 S. Gangestad, R. Thornhill and R. Yeo. Facial physical attractiveness, developmental stability and fluctuating asymmetry. *Ethology and Sociobiology* 15:73-85.
- 1994 R. Thornhill. Is there psychological adaptation to rape? *Analyse and Kritik* 16:68-85.
- 1994 P. Watson and R. Thornhill. Fluctuating asymmetry and sexual selection. *Trends in Ecology and Evolution* 9:21-24.
- 1994 K. Grammer and R. Thornhill. Human (*Homo sapiens*) facial attractiveness and sexual selection: The role of symmetry and averageness. *Journal of Comparative Psychology* 108:233-242.
- 1993 R. Thornhill and S. Gangestad. Human facial beauty: Averageness, symmetry and parasite resistance. *Human Nature* 4:237-269.
- 1993 K. Johnson, R. Thornhill, J.D. Ligon and M. Zuk. The directions of mothers' and daughters' preferences and the heritability of male ornaments in red jungle fowl (*Gallus gallus*). *Behavioral Ecology* 4:254-259.
- 1993 R. Thornhill. The allure of symmetry. *Natural History* 102:30-37.
- 1992 M. Zuk, J.D. Ligon and R. Thornhill. Effects of experimental manipulation on male secondary sex characters on female mate preference in red jungle fowl. *Animal Behaviour* 44:999-1006.
- 1992 R. Thornhill. Fluctuating asymmetry and the mating system of the Japanese scorpionfly, *Panorpa japonica*. *Animal Behaviour* 44:867-879.
- 1992 R. Thornhill and N.W. Thornhill. The study of men's coercive sexuality: What course should it take? (authors' response to 28 commentators) *Behavioral and Brain Sciences* 15:404-421.
- 1992 R. Thornhill and N.W. Thornhill. The evolutionary psychology of men's sexual coercion. (target article) *Behavioral and Brain Sciences* 15:363-375.
- 1992 R. Thornhill. Fluctuating asymmetry and interspecific competition in two species of Japanese scorpionflies. *Behavioral Ecology and Sociobiology* 30:357-363.
- 1992 R. Thornhill. Females prefer the pheromone of males with low fluctuating asymmetry in the Japanese scorpionfly (*Panorpa japonica*). *Behavioral Ecology* 3:277-283.
- 1992 R. Thornhill and K.P. Sauer. Paternal genetic effects on the fighting ability of sons and daughters and mating success of sons in a scorpionfly (*Panorpa vulgaris*). *Animal Behaviour* 43:255-264.
- 1991 S. Austad and R. Thornhill. This bug's for you. *Natural History* (No. 12.):44-49.
- 1991 R. Thornhill. Teleonomy and the study of sexual selection. *Acta XX Congressus Internationalis Ornithologici*, Vol. III:1361-1366.
- 1991 N.W. Thornhill and R. Thornhill. Evolutionary analysis of psychological pain following rape IV: The effect of the nature of the sex act. *Journal of Comparative Psychology* 105:243-252.

Selected Publications (cont.):

- 1991 R. Thornhill and K.P. Sauer. The notal organ of the scorpionfly (*Panorpa vulgaris*): An adaptation to coerce mating duration. *Behavioral Ecology* 2:156-164.
- 1990 M. Zuk, R. Thornhill, J.D. Ligon and K. Johnson. Parasites and mate choice in red jungle fowl. *American Zoologist* 30:235-244.
- 1990 R. Thornhill and N.W. Thornhill. Coercive sexuality of men: Is there psychological adaptation to rape? In *Sexual Coercion: Its Nature, Causes and Prevention*, eds. E. Grauerholz and M. Koralewski. Lexington Books.
- 1990 M. Zuk, K. Johnson, R. Thornhill and J.D. Ligon. Female red jungle fowl show a threshold mate preference. *Evolution* 44:477-485.
- 1990 J.D. Ligon, R. Thornhill, M. Zuk, and K. Johnson. Male–male competition and male ornamentation in red jungle fowl. *Animal Behaviour* 40:367-373.
- 1990 R. Thornhill. The study of adaptation. Pp. 31-62 in *Interpretation and Explanation in the Study of Behavior*, Vol. II, eds. M. Bekoff and D. Jamieson. Westview Press.
- 1990 N.W. Thornhill and R. Thornhill. Evolutionary analysis of psychological pain of rape victims I: The effects of victim's age and marital status. *Ethology and Sociobiology* 11:155-176.
- 1990 N.W. Thornhill and R. Thornhill. Evolutionary analysis of psychological pain following rape II: The effects of stranger, friend and family member offenders. *Ethology and Sociobiology* 11:177-193.
- 1990 N.W. Thornhill and R. Thornhill. Evolutionary analysis of psychological pain following rape III: The effects of force and violence. *Aggressive Behavior* 16:297-320.
- 1990 M. Zuk, K. Johnson, R. Thornhill and J.D. Ligon. Parasites and sexual selection in red jungle fowl. *Behaviour* 114:232-248.
- 1990 M. Zuk, R. Thornhill, J.D. Ligon, K. Johnson, S. Ligon, N.W. Thornhill, S. Austad and C. Costin. Female choice and male ornamentation in red jungle fowl. *American Naturalist* 136:459-473.
- 1989 R. Thornhill and N.W. Thornhill. The evolution of psychological pain. Pp. 73-103 in *Sociobiology and the Social Sciences*, ed. R. Bell. Texas Tech Univ. Press.
- 1989 R. Thornhill. Nest defense by red jungle fowl (*Gallus gallus spadiceus*) hens: The roles of renesting potential, parental experience and brood reproductive value. *Ethology* 83:31-42.
- 1989 R. Montgomerie and R. Thornhill. Fertility advertisement in birds: A means of inciting male–male competition. *Ethology* 81:209-220.
- 1988 R. Thornhill. The hen's cackle incites male competition. *Veh. Dtsch. Zool. Ges.* 81:145-154.
- 1987 N.W. Thornhill and R. Thornhill. Female primate sexual behavior and conception: Are there really sperm to spare? *Current Anthropology* 29:93-94.
- 1987 L. Heisler, M.B. Andersson, S.J. Arnold, C.R. Boake, G. Borgia, G. Hausfater, M. Kirkpatrick, R. Lande, J. Maynard Smith, P. O'Donald, R. Thornhill and F.J. Weissing. The evolution of mating preferences and attractive traits. In *Sexual Selection: Testing the Alternatives*, eds. J. Bradbury and M. Andersson. N.Y.: Springer–Verlag.
- 1987 N.W. Thornhill and R. Thornhill. Evolutionary theory and rules of mating and marriage pertaining to relatives. Pp. 373-400 in *Psychology and Sociobiology: Ideas, Issues, and Applications*, eds. C. Crawford, M. Smith, and D. Krebs. London: Erlbaum Assoc. Publ.
- 1987 R. Thornhill and N.W. Thornhill. Human rape: the strengths of the evolutionary perspective. Pp. 269-291 in *Psychology and Sociobiology: Ideas, Issues and Applications*, eds. C. Crawford, M. Smith and D. Krebs. London: Erlbaum Assoc. Publ.
- 1987 R. Thornhill. The relative importance of intra- and interspecific competition in scorpionfly mating systems. *American Naturalist* 130:711-729.

Selected Publications (cont.):

- 1986 R. Thornhill, N.W. Thornhill and G. Dizinno. The biology of rape. In *Rape*, eds. S. Tomaseli and R. Porter. Oxford, England: Basil Blackwell and Wellcome Institute for the History of Medicine.
- 1986 S. Austad and R. Thornhill. Female reproductive variation in a nuptial-feeding spider, *Pisaura mirabilis*. *Bull. Br. Arachnol. Soc.* 7:48-52.
- 1986 R. Thornhill and D. Gwynne. The evolution of sexual differences in insects. *American Scientist* 74:382-389.
- 1986 R. Thornhill. Relative parental contribution of the sexes to their offspring and the operation of sexual selection. Pp. 113-136 in *Evolution of Animal Behavior*, eds. M. Nitecki and J. Kitchell. Oxford: Oxford Univ. Press.
- 1985 N.W. Thornhill and R. Thornhill. Matriliny and sexual selection and conflict. *Behavior and Brain Sciences* 8:679-680.
- 1984 R. Thornhill. Alternative hypotheses for traits believed to have evolved by sperm competition. Pp. 151-178 in *Sperm Competition and the Evolution of Animal Mating Systems*, ed. R.L. Smith. NY: Academic Press.
- 1984 R. Thornhill. Alternative female choice tactics in the scorpionfly *Hylobittacus apicalis* (Mecoptera) and its implications. *American Zoologist* 24:367-383.
- 1984 R. Thornhill. Fighting and assessment in *Harpobittacus* scorpionflies (Insecta: Mecoptera). *Evolution* 38:204-214.
- 1984 R. Thornhill. Scientific methodology in entomology. *Florida Entomologist* 67:74-96.
- 1983 R. Thornhill. Cryptic female choice in the scorpionfly *Harpobittacus nigriceps* and its implications. *American Naturalist* 122:765-788.
- 1983 R. Thornhill and N.W. Thornhill. Human rape: An evolutionary analysis. *Ethology and Sociobiology* 4:137-173.
- 1983 R. Thornhill, G. Dodson and L. Marshall. Sexual selection and insect mating behavior. *American Biology Teacher* 45:310-319.
- 1983 G. Byers and R. Thornhill. Biology of the Mecoptera. *Ann. Review Entomology* 28:203-228.
- 1982 W. Shields, L. Shields, R. Thornhill and N.W. Thornhill. What causes rape? A dissenting view. *Science* 82 (Dec.):16.
- 1981 R. Thornhill. *Panorpa* (Mecoptera: Panorpidae) scorpionflies: Systems for understanding resource-defense polygyny and alternative male reproductive efforts. *Ann. Rev. Ecol. and Syst.* 12:355-386.
- 1980 R. Thornhill. Sexual selection in the black-tipped hangingfly. *Scientific American* 242:162-172.
- 1980 R. Thornhill. Competitive, charming males and choosy females: Was Darwin correct? *Florida Entomologist* 63:5-30.
- 1980 R. Thornhill. Mate choice in *Hylobittacus apicalis* (Insecta: Mecoptera) and its relation to some models of female choice. *Evolution* 34:519-538.
- 1980 R. Thornhill. Sexual selection within mating swarms of the lovebug, *Plecia nearctica* (Diptera: Bibionidae). *Animal Behaviour* 28:405-412.
- 1980 R. Thornhill. Rape in *Panorpa* scorpionflies and a general rape hypothesis. *Animal Behaviour* 28:52-59.
- 1980 R. Thornhill. Competition and coexistence in *Panorpa* scorpionflies (Mecoptera: Panorpidae). *Ecological Monographs* 50:179-197.
- 1979 R. Thornhill. Adaptive female-mimicking behavior in a scorpionfly. *Science* 205:412-414.
- 1979 L. Benshoff and R. Thornhill. The evolution of monogamy and loss of estrus in humans. *Journal of Social and Biological Structures* 2:95-106.

Selected Publications (cont.):

- 1979 R. Thornhill. Male and female sexual selection and the evolution of mating strategies in insects. Pp. 81-121 in *Sexual Selection and Reproductive Competition in Insects*, eds. M.S. Blum and N.A. Blum. New York: Academic Press.
- 1979 R. Thornhill. Male pair-formation pheromones in *Panorpa* scorpionflies (Mecoptera: Panorpidae). *Environ. Entomol.* 8:886-888.
- 1978 R. Thornhill. Some arthropod predators and parasites of adult scorpionflies (Insecta: Mecoptera). *Environ. Entomol.* 7:714-716.
- 1978 R. Thornhill. Sexually selected predatory and mating behavior of the hangingfly, *Bittacus stigmaterus* (Mecoptera: Bittacidae). *Ann. Ent. Soc. Am.* 71:597-601.
- 1977 R. Thornhill. The comparative predatory and sexual behavior of hangingflies (Mecoptera: Bittacidae). Occasional Papers, Museum of Zoology, University of Michigan, No. 677, 1-43.
- 1976 R. Thornhill. Biology and reproductive behavior of *Dilophus sayi* (Diptera: Bibionidae). *Florida Entomologist* 59:1-4.
- 1976 R. Thornhill. Dispersal and flight activities of the lovebug, *Plecia nearctica* (Diptera: Bibionidae). *Florida Entomologist* 59:45-54.
- 1976 R. Thornhill. The reproductive behavior of the lovebug, *Plecia nearctica* Hardy (Diptera: Bibionidae). *Ann. Ent. Soc. Amer.* 69:843-847.
- 1976 R. Thornhill. Sexual selection and nuptial feeding behavior in *Bittacus apicalis* (Insecta: Mecoptera). *American Naturalist* 110:529-548.
- 1976 R. Thornhill. Sexual selection and paternal investment patterns in insects. *Am. Nat.* 110:153-163.
- 1975 R. Thornhill. Scorpionflies as kleptoparasites of web-building spiders. *Nature* (London) 258:709-711.
- 1974 R. Thornhill. Evolutionary Ecology of Mecoptera (Insecta). Ph.D. thesis. University of Michigan. 633 pp.
- 1974 R. Thornhill and J.B. Johnson. The Mecoptera of Michigan. *Great Lakes Entomol.* 7(2):33-53.
- 1973 R. Thornhill. The morphology and histology of new sex pheromone glands in male scorpionflies, *Panorpa* and *Brachypanorpa* (Mecoptera: Panorpidae and Panorpodidae). *Great Lakes Entomol.* 6(2):47-54.
- 1972 R. Thornhill and K.L. Hays. Dispersal and flight activities of some species of *Tabanus* (Diptera: Tabanidae). *Environ. Entomol.* 1(5):602-606.
- 1971 R. Thornhill. A new locality record for *Neochrysops globosus* Walton (Diptera: Tabanidae). *Entomol. News* 201-203.

Selected Off-campus Lectures:

In the past 42 years, I have delivered approximately 175 colloquia, symposium presentations and endowed lectures, including the following:

- June 2017 Plenary Lecture, International Society of Human Ethology, Summer Institute, Boise State University, Boise, ID: "The Parasite-Stress theory of Values and Sociality."
- Feb. 2015 Colloquium, Department of Psychology, University of Arizona: "The Parasite-stress Theory of Values and Sociality."
- Sept. 2014 Public lectures, Norway's Science for the Public Program, Oslo, Norway: "The Evolution of Human Sexuality."
- Aug. 2012 Plenary Lecture, International Society of Human Ethology, Vienna, Austria: "The Evolution of Women's Sexuality."
- July 2011 Featured Lecturer, Oxford Conference on Infectious Disease and Immunity of Children, Oxford, U.K.: "Parasites, Democracy and Intelligence."

Selected Off-campus Lectures (cont.):

Mar. 2011	Rilett Life Sciences Lecture, Illinois State University: "Parasites and Human Values Across the World."
Aug. 2010	Workshop on Sexual Selection, Royal Society of London, London, U.K.: "The Evolutionary Biology of Human Female Sexuality."
Jun. 2010	Plenary Lecture, Human Behavior and Evolution Society, University of Oregon: "Parasite Stress and Human Violence."
Oct. 2008	Workshop on Evolutionary Approaches to War, Institute of Cognitive and Decision Sciences, University of Oregon: "Parasites and Civil War."
Feb. 2008	Symposium Lecture, Society for the Study of Personality and Social Psychology, Tampa, FL: "Infectious Disease and Human Values."
Feb. 2007	Plenary Lecture, Society for the Study of Personality and Social Psychology, Albuquerque, NM: "The Phylogeny and Functional Design of Women's Dual Sexuality."
Sep. 2006	Plenary Lecture, British Animal Behaviour Society Meeting, Newcastle upon Tyne, U.K.: "The Evolution of Estrus."
Jun. 2000	The Griffith Lecture, University of Wyoming
May 2000	Tinkle Lecture, University of Michigan
Apr. 2000	Plenary Lecture, Scientific Society for the Study of Sex
May 1998	Arizona State University School of Law, Tempe, AZ. Plenary Lecture: "The Biology of Rape."
Nov. 1997	Distinguished Developmental Psychology lecture series, Department of Psychology, Cornell University. Topic: "Developmental Stability and the Human Sexual Selection System."
Aug. 1997	Plenary Lecture, 25 th International Ethological Congress, Vienna, Austria. Topic: "Developmental Stability and Good Genes Sexual Selection."
Oct. 1996	CIBA Foundation Symposium on Characterizing Human Psychological Adaptations, London, UK. Topic: "The Concept of an Evolved Adaptation."
Nov. 1994	Graduate Student Selected Speaker in Behavior and Neurobiology for 1994. Cornell University. "Topic: Fluctuating Asymmetry."
Aug. 1991	Plenary lecture, 22nd International Ethological Congress, Kyoto, Japan. Topic: "Mate Choice."

Research Interests:

My research interests are evolutionary and ecological aspects of animal social psychology and behavior; infectious diseases; and evolutionary methods.

Research in Progress:

1. The evolution of values, beliefs and ideology in relation to infectious disease.
2. The evolution of human sexuality.
3. Evolutionary ecology of insects of the order Mecoptera.

Popularization of My Research:

I am interested in increasing the public's understanding of science in general and evolutionary biology in particular. In this regard, my research has been featured in televised productions by The Today Show; The Morning Show; CNN Live; CNN International; BBC; National Geographic; Beyond 2000; Discover Magazine; Discover Canada; Dateline NBC; ABC News Special; Charles Grodin Show; Cronkite, Ward & Company's documentary series; 20/20; Primetime Live; and others, including TV productions in Europe, Australia and South America. Also, my research has been featured in many U.S. and Europe-an radio programs, most international newspapers and many international magazines (e.g., *Science*, *Nature*, *Newsweek*, *U.S. News and World Report*, *Economist*, *Vogue*, *Playboy*,

New Scientist, Reader's Digest, Mademoiselle, Elle, Men's Health, Health, Time, Psychology Today) and in many major newspapers and magazines in the U.S. and many other countries.

Teaching:

Currently, I teach: Biology 365, Evolution of Human Sexuality.