Markus J Rantala

List of Publications by Year
in descending order

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119 papers	4,416 citations	101496 36 h-index	133188 59 g-index
120 all docs	120 docs citations	120 times ranked	3646 citing authors

#	Article	IF	Citations
1	Extra-pair paternity explains cooperation in a bird species. Proceedings of the National Academy of Sciences of the United States of America, 2022, 119, .	3.3	9
2	AreToxoplasma-infected subjects more attractive, symmetrical, or healthier than non-infected ones? Evidence from subjective and objective measurements. PeerJ, 2022, 10, e13122.	0.9	4
3	The environmental mismatch model of bipolar disorder is supported by evidence: A response to Partonen et al.. Neuroscience and Biobehavioral Reviews, 2022, 136, 104631.	2.9	1
4	Exposure to copper during larval development has intra- and trans-generational influence on fitness in later life. Ecotoxicology and Environmental Safety, 2021, 207, 111133.	2.9	4
5	The Obesity Paradox Predicts the Second Wave of COVID-19 to Be Severe in Western Countries. International Journal of Environmental Research and Public Health, 2021, 18, 1029.	1.2	15
6	Toxoplasma gondii and Psychopathology: Latent Infection Is Associated with Interpersonal Sensitivity, Psychoticism, and Higher Testosterone Levels in Men, but Not in Women. Adaptive Human Behavior and Physiology, 2021, 7, 28-42.	0.6	6
7	Bipolar disorder: An evolutionary psychoneuroimmunological approach. Neuroscience and Biobehavioral Reviews, 2021, 122, 28-37.	2.9	38
8	Gender norms and the wellbeing of girls and boys. The Lancet Global Health, 2021, 9, e397.	2.9	3
9	Serotoninergic Modulation of Phototactic Variability Underpins a Bet-Hedging Strategy in Drosophila melanogaster. Frontiers in Behavioral Neuroscience, 2021, 15, 659331.	1.0	8
10	Socioeconomic position, immune function, and its physiological markers. Psychoneuroendocrinology, 2021, 127, 105202.	1.3	11
11	Self-Perceived Facial Attractiveness, Fluctuating Asymmetry, and Minor Ailments Predict Mental Health Outcomes. Adaptive Human Behavior and Physiology, 2021, 7, 363-381.	0.6	8
12	Effect of Juvenile Hormone on Resistance against Entomopathogenic Fungus Metarhizium robertsii Differs between Sexes. Journal of Fungi (Basel, Switzerland), 2020, 6, 298.	1.5	8
13	Covid-19: Fat, Obesity, Inflammation, Ethnicity, and Sex Differences. Pathogens, 2020, 9, 887.	1.2	21
14	Womenâ€™s socioeconomic position in ontogeny is associated with improved immune function and lower stress, but not with height. Scientific Reports, 2020, 10, 11517.	1.6	11
15	Developmental speed affects ecological stoichiometry and adult fat reserves in Drosophila melanogaster. Animal Biology, 2020, 71, 1-20.	0.6	7
16	Egalitarian mixed-species bird groups enhance winter survival of subordinate group members but only in high-quality forests. Scientific Reports, 2020, 10, 4005.	1.6	13
17	Intra- and Trans-Generational Phenotypic Responses of the Greater Wax Moth, Galleria mellonella, to a Low-Nutrition Larval Diet. Annales Zoologici Fennici, 2020, 57, 99.	0.2	2
18	Eating Disorders: An Evolutionary Psychoneuroimmunological Approach. Frontiers in Psychology, 2019, 10, 2200.	1.1	44

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19	Cross-Cultural Variation in womenâ€™s Preferences for menâ€™s Body Hair. Adaptive Human Behavior and Physiology, 2019, 5, 131-147.	0.6	25
20	Response to Commentaries: Life History Evolution, Causal Mechanisms, and Female Sexual Orientation. Archives of Sexual Behavior, 2019, 48, 1335-1347.	1.2	19
21	Menopause, a curse or an opportunity? An evolutionary biological view. Acta Obstetricia Et Gynecologica Scandinavica, 2019, 98, 687-688.	1.3	2
22	Ecological Stoichiometry: A Link Between Developmental Speed and Physiological Stress in an Omnivorous Insect. Frontiers in Behavioral Neuroscience, 2019, 13, 42.	1.0	19
23	Womenâ€™s preferences for menâ€™s facial masculinity are strongest under favorable ecological conditions. Scientific Reports, 2019, 9, 3387.	1.6	76
24	Low intrasexual competitiveness and decreasing testosterone in human males (Homo sapiens): the adaptive meaning. Behaviour, 2019, 157, 1-15.	0.4	4
25	A Life History Approach to the Female Sexual Orientation Spectrum: Evolution, Development, Causal Mechanisms, and Health. Archives of Sexual Behavior, 2019, 48, 1273-1308.	1.2	78
26	A head start for life history development? Family income mediates associations between height and immune response in men. American Journal of Physical Anthropology, 2019, 168, 421-427.	2.1	17
27	England first, America second: The ecological predictors of life history and innovation. Behavioral and Brain Sciences, 2019, 42, e205.	0.4	2
28	The role of mating context and fecundability in womenâ€™s preferences for menâ€™s facial masculinity and beardedness. Psychoneuroendocrinology, 2018, 93, 90-102.	1.3	46
29	Depression subtyping based on evolutionary psychiatry: Proximate mechanisms and ultimate functions. Brain, Behavior, and Immunity, 2018, 69, 603-617.	2.0	84
30	On estrogenic masculinization of the human brain and behavior. Hormones and Behavior, 2018, 97, 1-2.	1.0	12
31	Choosing Fighting Competitors Among Men: Testosterone, Personality, and Motivations. Evolutionary Psychology, 2018, 16, 147470491875724.	0.6	7
32	Sexual ornaments reveal the strength of melanization immune response and longevity of male paper wasps. Journal of Insect Physiology, 2018, 109, 163-168.	0.9	9
33	Linking organismal growth, coping styles, stress reactivity, and metabolism via responses against a selective serotonin reuptake inhibitor in an insect. Scientific Reports, 2018, 8, 8599.	1.6	16
34	Independent and interactive effects of immune activation and larval diet on adult immune function, growth and development in the greater wax moth (Galleria mellonella). Journal of Evolutionary Biology, 2018, 31, 1485-1497.	0.8	8
35	Fat is not just an energy store. Journal of Experimental Biology, 2018, 221, .	0.8	7
36	Depression subtyping based on evolutionary psychiatry: From reactive short-term mood change to depression. Brain, Behavior, and Immunity, 2018, 69, 630.	2.0	5

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37	Menâ€™s Preferences for Female Facial Femininity Decline With Age. Journals of Gerontology - Series B Psychological Sciences and Social Sciences, 2017, 72, 180-186.	2.4	21
38	Specificity of Womenâ€™s Sexual Response: Proximate Mechanisms and Ultimate Causes. Archives of Sexual Behavior, 2017, 46, 1195-1198.	1.2	9
39	Further Evidence Using a Continuous Measure of Conception Probability that Womenâ€™s Preferences for Male Facial and Body Hair May Not Change with Fecundability. Archives of Sexual Behavior, 2017, 46, 1159-1160.	1.2	8
40	Reproduction compromises adaptive immunity in a cyprinid fish. Ecological Research, 2017, 32, 559-566.	0.7	16
41	Metabolic rate associates with, but does not generate covariation between, behaviours in western stutter-trilling crickets, Gryllus integer. Proceedings of the Royal Society B: Biological Sciences, 2017, 284, 20162481.	1.2	37
42	Microbiome symbionts and diet diversity incur costs on the immune system of insect larvae. Journal of Experimental Biology, 2017, 220, 4204-4212.	0.8	56
43	Habitat quality affects stress responses and survival in a bird wintering under extremely low ambient temperatures. Die Naturwissenschaften, 2017, 104, 99.	0.6	13
44	An Evolutionary Approach to Clinical Pharmacopsychology. Psychotherapy and Psychosomatics, 2017, 86, 370-371.	4.0	8
45	Food quality affects the expression of antimicrobial peptide genes upon simulated parasite attack in the larvae of greater wax moth. Entomologia Experimentalis Et Applicata, 2017, 165, 129-137.	0.7	8
46	Is Juvenile Hormone a potential mechanism that underlay the â€œbranched Y-modelâ€?. General and Comparative Endocrinology, 2016, 230-231, 170-176.	0.8	9
47	A dark cuticle allows higher investment in immunity, longevity and fecundity in a beetle upon a simulated parasite attack. Oecologia, 2016, 182, 99-109.	0.9	23
48	The Role of Facial and Body Hair Distribution in Womenâ€™s Judgments of Menâ€™s Sexual Attractiveness. Archives of Sexual Behavior, 2016, 45, 877-889.	1.2	68
49	Early-life temperature modifies adult encapsulation response in an invasive ectoparasite. Parasitology, 2015, 142, 1290-1296.	0.7	13
50	Effects of food quality on tradeâ€offs among growth, immunity and survival in the greater wax moth Galleria mellonella. Insect Science, 2015, 22, 431-439.	1.5	49
51	Investment in a sexual signal results in reduced survival under extreme conditions in the male great tit (Parus major). Behavioral Ecology and Sociobiology, 2015, 69, 151-158.	0.6	9
52	Intensity of haemosporidian infection of parids positively correlates with proximity to water bodies, but negatively with host survival. Journal of Ornithology, 2015, 156, 1075-1084.	0.5	33
53	Personality and density affect nest defence and nest survival in the great tit. Acta Ethologica, 2015, 18, 111-120.	0.4	32
54	Sexâ€Specific Associations Between Nest Defence, Exploration and Breathing Rate in Breeding Pied Flycatchers. Ethology, 2014, 120, 492-501.	0.5	19

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55	High Repeatability of Anti-Predator Responses and Resting Metabolic Rate in a Beetle. Journal of Insect Behavior, 2014, 27, 57-66.	0.4	21
56	Hissing calls improve survival in incubating female great tits (Parus major). Acta Ethologica, 2014, 17, 83-88.	0.4	36
57	Cross-cultural variation in men's preference for sexual dimorphism in women's faces. Biology Letters, 2014, 10, 20130850.	1.0	82
58	Effects of Interaction between Temperature Conditions and Copper Exposure on Immune Defense and Other Life-History Traits of the Blow Fly Protophormia terraenovae. Environmental Science & Technology, 2014, 48, 8793-8799.	4.6	8
59	Body height affects the strength of immune response in young men, but not young women. Scientific Reports, 2014, 4, 6223.	1.6	28
60	Adiposity, compared with masculinity, serves as a more valid cue to immunocompetence in human mate choice. Proceedings of the Royal Society B: Biological Sciences, 2013, 280, 20122495.	1.2	68
61	Stress, Behaviour and Immunity in Wildâ€Caught Wintering Great Tits (<scp>P</scp>arus major). Ethology, 2013, 119, 397-406.	0.5	23
62	Predation promotes survival of beetles with lower resting metabolic rates. Entomologia Experimentalis Et Applicata, 2013, 148, 94-103.	0.7	38
63	Depressed performance and detoxification enzyme activities of Helicoverpa armigera fed with conventional cotton foliage subjected to methyl jasmonate exposure. Entomologia Experimentalis Et Applicata, 2013, 147, 186-195.	0.7	21
64	Facial attractiveness is related to women's cortisol and body fat, but not with immune responsiveness. Biology Letters, 2013, 9, 20130255.	1.0	42
65	Predation selects for low resting metabolic rate and consistent individual differences in anti-predator behavior in a beetle. Acta Ethologica, 2013, 16, 163-172.	0.4	61
66	Physiological condition and blood parasites of breeding Great Tits: a comparison of core and northernmost populations. Journal of Ornithology, 2013, 154, 1019-1028.	0.5	7
67	Is a Womanâ€™s Preference for Chest Hair in Men Influenced by Parasite Threat?. Archives of Sexual Behavior, 2013, 42, 1181-1189.	1.2	15
68	Trade-off between cellular immunity and life span in mealworm beetles Tenebrio molitor. Environmental Epigenetics, 2013, 59, 340-346.	0.9	27
69	A Putative Human Pheromone, Androstadienone, Increases Cooperation between Men. PLoS ONE, 2013, 8, e62499.	1.1	33
70	Sexual Imprinting on Facial Traits of Opposite-Sex Parents in Humans. Evolutionary Psychology, 2012, 10, 621-630.	0.6	32
71	The effects of simulated acid rain and heavy metal pollution on the mountain birchâ€“autumnal moth interaction. Chemoecology, 2012, 22, 251-262.	0.6	3
72	Comparative analysis reveals a possible immunity-related absence of blood parasites in Common Gulls (Larus canus) and Black-headed Gulls (Chroicocephalus ridibundus). Journal of Ornithology, 2012, 153, 1245-1252.	0.5	11

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73	Rapid induced resistance of silver birch affects both innate immunity and performance of gypsy moths: the role of plant chemical defenses. Arthropod-Plant Interactions, 2012, 6, 507-518.	0.5	23
74	Evidence for the stress-linked immunocompetence handicap hypothesis in humans. Nature Communications, 2012, 3, 694.	5.8	154
75	Transgenerational Effects of Heavy Metal Pollution on Immune Defense of the Blow Fly Protophormia terraenovae. PLoS ONE, 2012, 7, e38832.	1.1	46
76	Linking anti-predator behaviour and habitat quality: group effect in nest defence of a passerine bird. Acta Ethologica, 2012, 15, 127-134.	0.4	22
77	Is plasticity in mating preferences adapted to perceived exposure to pathogens?. Acta Ethologica, 2012, 15, 135-140.	0.4	15
78	A rapid effect of handling on counts of white blood cells in a wintering passerine bird: a more practical measure of stress?. Journal of Ornithology, 2012, 153, 161-166.	0.5	83
79	Transgenerational Effects of Parental Larval Diet on Offspring Development Time, Adult Body Size and Pathogen Resistance in Drosophila melanogaster. PLoS ONE, 2012, 7, e31611.	1.1	92
80	Effects of inbreeding on potential and realized immune responses inTenebrio molitor. Parasitology, 2011, 138, 906-912.	0.7	13
81	Prenatal Influences on Sexual Orientation: Digit Ratio (2D:4D) and Number of Older Siblings. Evolutionary Psychology, 2011, 9, 496-508.	0.6	26
82	Overwinter survival depends on immune defence and body length in male Aquarius najas water striders. Entomologia Experimentalis Et Applicata, 2011, 140, 45-51.	0.7	36
83	Boron Fertilization Enhances the Induced Defense of Silver Birch. Journal of Chemical Ecology, 2011, 37, 460-471.	0.9	17
84	Boldness as a consistent personality trait in the noble crayfish, Astacus astacus. Acta Ethologica, 2011, 14, 17-25.	0.4	35
85	The role of sexual imprinting and the Westermarck effect in mate choice in humans. Behavioral Ecology and Sociobiology, 2011, 65, 859-873.	0.6	70
86	Predation selects for increased immune function in male damselflies,Calopteryx splendens. Proceedings of the Royal Society B: Biological Sciences, 2011, 278, 1231-1238.	1.2	25
87	Increase in the substrate availability decreases phenoloxidase activity in the autumnal moth, Epirrita autumnata. Chemoecology, 2010, 20, 11-18.	0.6	8
88	Activation of the immune system promotes insect dispersal in the wild. Oecologia, 2010, 162, 541-547.	0.9	34
89	Immune system activation interacts with territory-holding potential and increases predation of the damselfly Calopteryx splendens by birds. Oecologia, 2010, 163, 825-832.	0.9	33
90	Starvation Reveals Maintenance Cost of Humoral Immunity. Evolutionary Biology, 2010, 37, 49-57.	0.5	57

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91	Fattening strategies of wintering great tits support the optimal body mass hypothesis under conditions of extremely low ambient temperature. Functional Ecology, 2010, 24, 172-177.	1.7	71
92	Preference for human male body hair changes across the menstrual cycle and menopause. Behavioral Ecology, 2010, 21, 419-423.	1.0	43
93	Effects of long-term simulated acid rain on a plantâ€“herbivore interaction. Basic and Applied Ecology, 2009, 10, 589-596.	1.2	16
94	Macroarthropod species richness and conservation priorities in Stratiotes aloides (L.) lakes. Journal of Insect Conservation, 2009, 13, 413-419.	0.8	17
95	Influence of alternative mating tactics on predation risk in the damselfly Calopteryx virgo. Canadian Journal of Zoology, 2009, 87, 684-688.	0.4	16
96	Direct effects of heavy metal pollution on the immune function of a geometrid moth, Epirrita autumnata. Chemosphere, 2008, 71, 1840-1844.	4.2	43
97	Effects of hostâ€plant shift on immune and other key lifeâ€history traits of an eruptive Geometrid, Epirrita autumnata (Borkhausen). Ecological Entomology, 2008, 33, 510-516.	1.1	29
98	Territoriality in odonates. , 2008, , 203-218.		69
99	Heavy metal pollution disturbs immune response in wild ant populations. Environmental Pollution, 2007, 145, 324-328.	3.7	100
100	Diet-mediated effects of heavy metal pollution on growth and immune response in the geometrid moth Epirrita autumnata. Environmental Pollution, 2007, 145, 348-354.	3.7	76
101	Forceps size and immune function in the earwig Forficula auricularia L.. Biological Journal of the Linnean Society, 2007, 90, 509-516.	0.7	38
102	Natural host-plant quality affects immune defence of an insect herbivore. Entomologia Experimentalis Et Applicata, 2007, 123, 167-176.	0.7	93
103	Foliar Phenolics are Differently Associated with Epirrita autumnata Growth and Immunocompetence. Journal of Chemical Ecology, 2007, 33, 1013-1023.	0.9	64
104	Immunological Memory of Mountain Birches: Effects of Phenolics on Performance of the Autumnal Moth Depend on Herbivory History of Trees. Journal of Chemical Ecology, 2007, 33, 1160-1176.	0.9	52
105	Do male mealworm beetles, Tenebrio molitor, sustain the honesty of pheromone signals under immune challenge?. Acta Ethologica, 2007, 10, 63-72.	0.4	25
106	Immune function, dominance and mating success in drumming male wolf spiders Hygrolycosa rubrofasciata. Behavioral Ecology and Sociobiology, 2006, 60, 826-832.	0.6	30
107	Male steroid hormones and female preference for male body odor. Evolution and Human Behavior, 2006, 27, 259-269.	1.4	54
108	DEFOLIATING INSECT IMMUNE DEFENSE INTERACTS WITH INDUCED PLANT DEFENSE DURING A POPULATION OUTBREAK. Ecology, 2006, 87, 291-296.	1.5	71

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109	Formation of melanin-based wing patterns is influenced by condition and immune challenge in Pieris brassicae. Entomologia Experimentalis Et Applicata, 2005, 116, 237-243.	0.7	27
110	What do male tench, Tinca tinca, advertise with morphological ornaments?. Acta Ethologica, 2005, 8, 70-78.	0.4	7
111	Individual variation in immune function in the ant Formica exsecta; effects of the nest, body size and sex. Evolutionary Ecology, 2004, 18, 75-84.	0.5	61
112	Sexual advertisement and immune function in an arachnid species (Lycosidae). Behavioral Ecology, 2004, 15, 602-606.	1.0	75
113	Condition dependence of pheromones and immune function in the grain beetle Tenebrio molitor. Functional Ecology, 2003, 17, 534-540.	1.7	179
114	Courtship song and immune function in the field cricket Gryllus bimaculatus. Biological Journal of the Linnean Society, 2003, 79, 503-510.	0.7	156
115	The role of juvenile hormone in immune function and pheromone production trade-offs: a test of the immunocompetence handicap principle. Proceedings of the Royal Society B: Biological Sciences, 2003, 270, 2257-2261.	1.2	171
116	Do pheromones reveal male immunocompetence?. Proceedings of the Royal Society B: Biological Sciences, 2002, 269, 1681-1685.	1.2	163
117	Immunocompetence, developmental stability and wingspot size in the damselflyCalopteryx splendensL.. Proceedings of the Royal Society B: Biological Sciences, 2000, 267, 2453-2457.	1.2	208
118	Immune defence, a possible nonvisual selective factor behind the industrial melanism of moths (Lepidoptera). Biological Journal of the Linnean Society, 0, 99, 831-838.	0.7	34
119	Macroinvertebrate species occupancy frequency distribution patterns in eutrophic lakes. Aquatic Ecology, 0, , 1.	0.7	1