

Claus Wedekind

List of Publications by Year in descending order

Source: <https://exaly.com/author-pdf/547290/publications.pdf>

Version: 2024-02-01

135
papers

7,064
citations

71061

41
h-index

64755

79
g-index

154
all docs

154
docs citations

154
times ranked

4648
citing authors

#	ARTICLE	IF	CITATIONS
1	Cooperation Through Image Scoring in Humans. <i>Science</i> , 2000, 288, 850-852.	6.0	790
2	MHC-dependent mate preferences in humans. <i>Proceedings of the Royal Society B: Biological Sciences</i> , 1995, 260, 245-249.	1.2	778
3	Body odour preferences in men and women: do they aim for specific MHC combinations or simply heterozygosity?. <i>Proceedings of the Royal Society B: Biological Sciences</i> , 1997, 264, 1471-1479.	1.2	426
4	Adaptive or Nonadaptive Immunosuppression by Sex Hormones?. <i>American Naturalist</i> , 1994, 143, 936-938.	1.0	284
5	The Long-Term Benefits of Human Generosity in Indirect Reciprocity. <i>Current Biology</i> , 2002, 12, 1012-1015.	1.8	235
6	Working memory constrains human cooperation in the Prisoner's Dilemma. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , 1998, 95, 13755-13758.	3.3	213
7	Human cooperation in the simultaneous and the alternating Prisoner's Dilemma: Pavlov versus Generous Tit-for-Tat.. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , 1996, 93, 2686-2689.	3.3	200
8	Nonlinkage of major histocompatibility complex class I and class II loci in bony fishes. <i>Immunogenetics</i> , 2000, 51, 108-116.	1.2	164
9	Potential genetic benefits of mate selection in whitefish. <i>Journal of Evolutionary Biology</i> , 2001, 14, 980-986.	0.8	145
10	The evolution of punishment through reputation. <i>Proceedings of the Royal Society B: Biological Sciences</i> , 2011, 278, 371-377.	1.2	137
11	Evidence for MHC-correlated perfume preferences in humans. <i>Behavioral Ecology</i> , 2001, 12, 140-149.	1.0	130
12	Non-random fertilization in mice correlates with the MHC and something else. <i>Heredity</i> , 1996, 77, 400-409.	1.2	124
13	Title is missing!. <i>Journal of Chemical Ecology</i> , 1998, 24, 787-801.	0.9	110
14	Sexual Selection and Life-History Decisions: Implications for Supportive Breeding and the Management of Captive Populations. <i>Conservation Biology</i> , 2002, 16, 1204-1211.	2.4	103
15	Mate choice and maternal selection for specific parasite resistances before, during and after fertilization. <i>Philosophical Transactions of the Royal Society B: Biological Sciences</i> , 1994, 346, 303-311.	1.8	93
16	The infectivity, growth, and virulence of the cestode <i>Schistocephalus solidus</i> in its first intermediate host, the copepod <i>Macrocyclus albidus</i> . <i>Parasitology</i> , 1997, 115, 317-324.	0.7	82
17	Do three-spined sticklebacks avoid consuming copepods, the first intermediate host of <i>Schistocephalus solidus</i> ? An experimental analysis of behavioural resistance. <i>Parasitology</i> , 1996, 112, 371-383.	0.7	77
18	Male-Biased Susceptibility to Helminth Infection: An Experimental Test with a Copepod. <i>Oikos</i> , 1998, 81, 458.	1.2	77

#	ARTICLE	IF	CITATIONS
19	Evidence for strategic egg production in a hermaphroditic cestode. <i>Parasitology</i> , 1998, 117, 373-382.	0.7	77
20	MHC-genotype of progeny influenced by parental infection. <i>Proceedings of the Royal Society B: Biological Sciences</i> , 1998, 265, 711-716.	1.2	74
21	MHC-linked susceptibility to a bacterial infection, but no MHC-linked cryptic female choice in whitefish. <i>Journal of Evolutionary Biology</i> , 2004, 17, 11-18.	0.8	74
22	Population Consequences of Environmental Sex Reversal. <i>Conservation Biology</i> , 2009, 23, 196-206.	2.4	73
23	Induced Hatching to Avoid Infectious Egg Disease in Whitefish. <i>Current Biology</i> , 2002, 12, 69-71.	1.8	72
24	Genetic and phenotypic population divergence on a microgeographic scale in brown trout. <i>Molecular Ecology</i> , 2012, 21, 2896-2915.	2.0	72
25	Environmental sex reversal, Trojan sex genes, and sex ratio adjustment: conditions and population consequences. <i>Molecular Ecology</i> , 2010, 19, 627-646.	2.0	71
26	The genetic consequences of hatchery-induced sperm competition in a salmonid. <i>Biological Conservation</i> , 2007, 137, 180-188.	1.9	69
27	MHC genes, body odours, and odour preferences. <i>Nephrology Dialysis Transplantation</i> , 2000, 15, 1269-1271.	0.4	67
28	Size-dependent sex allocation in a simultaneous hermaphrodite parasite. <i>Journal of Evolutionary Biology</i> , 2001, 14, 55-67.	0.8	67
29	Manipulating sex ratios for conservation: short-term risks and long-term benefits. <i>Animal Conservation</i> , 2002, 5, 13-20.	1.5	63
30	Male dominance linked to size and age, but not to 'good genes' in brown trout (<i>Salmo trutta</i>). <i>BMC Evolutionary Biology</i> , 2007, 7, 207.	3.2	62
31	Effects of global warming on sex ratios in fishes. <i>Journal of Fish Biology</i> , 2020, 97, 596-606.	0.7	61
32	Shift of Spawning Season and Effects of Climate Warming on Developmental Stages of a Grayling (<i>Salmonidae</i>). <i>Conservation Biology</i> , 2010, 24, 1418-1423.	2.4	59
33	Control of introduced species using Trojan sex chromosomes. <i>Trends in Ecology and Evolution</i> , 2007, 22, 441-443.	4.2	56
34	Elevated resource availability sufficient to turn opportunistic into virulent fish pathogens. <i>Ecology</i> , 2010, 91, 1251-1256.	1.5	52
35	Viability of brown trout embryos positively linked to melanin-based but negatively to carotenoid-based colours of their fathers. <i>Proceedings of the Royal Society B: Biological Sciences</i> , 2008, 275, 1737-1744.	1.2	51
36	Lifetime reproductive output in a hermaphrodite cestode when reproducing alone or in pairs: a time cost of pairing. <i>Evolutionary Ecology</i> , 1999, 13, 381-394.	0.5	49

#	ARTICLE	IF	CITATIONS
37	Fishery-induced selection on an Alpine whitefish: quantifying genetic and environmental effects on individual growth rate. <i>Evolutionary Applications</i> , 2009, 2, 200-208.	1.5	47
38	Effects of different mating scenarios on embryo viability in brown trout. <i>Molecular Ecology</i> , 2010, 19, 5296-5307.	2.0	46
39	Social situation, sperm competition and sex allocation in a simultaneous hermaphrodite parasite, the cestode <i>Schistocephalus solidus</i> . <i>Journal of Evolutionary Biology</i> , 2001, 14, 942-953.	0.8	45
40	Size-dependent discrimination of mating partners in the simultaneous hermaphroditic cestode <i>Schistocephalus solidus</i> . <i>Behavioral Ecology</i> , 2002, 13, 254-259.	1.0	45
41	Lek-Like Spawning Behaviour and Different Female Mate Preferences in Roach (<i>Rutilus Rutilus</i>). <i>Behaviour</i> , 1996, 133, 681-695.	0.4	44
42	Demographic and genetic consequences of disturbed sex determination. <i>Philosophical Transactions of the Royal Society B: Biological Sciences</i> , 2017, 372, 20160326.	1.8	44
43	Male body size and breeding tubercles are both linked to intrasexual dominance and reproductive success in the minnow. <i>Animal Behaviour</i> , 2009, 77, 823-829.	0.8	42
44	Persistent Unequal Sex Ratio in a Population of Grayling (<i>Salmonidae</i>) and Possible Role of Temperature Increase. <i>Conservation Biology</i> , 2013, 27, 229-234.	2.4	40
45	HUMAN COOPERATION BASED ON PUNISHMENT REPUTATION. <i>Evolution; International Journal of Organic Evolution</i> , 2013, 67, 2446-2450.	1.1	39
46	Handicaps not Obligatory in Sexual Selection for Resistance Genes. <i>Journal of Theoretical Biology</i> , 1994, 170, 57-62.	0.8	38
47	Tolerance of whitefish embryos to <i>Pseudomonas fluorescens</i> linked to genetic and maternal effects, and reduced by previous exposure. <i>Fish and Shellfish Immunology</i> , 2009, 26, 531-535.	1.6	38
48	RISK-INDUCED EARLY HATCHING IN SALMONIDS. <i>Ecology</i> , 2005, 86, 2525-2529.	1.5	37
49	Copepod reaction to odor stimuli influenced by cestode infection. <i>Behavioral Ecology</i> , 1998, 9, 414-418.	1.0	35
50	SSCP analysis of Mhc class IIB genes in the threespine stickleback. <i>Journal of Fish Biology</i> , 2001, 58, 887-890.	0.7	31
51	Reputation based on punishment rather than generosity allows for evolution of cooperation in sizable groups. <i>Evolution and Human Behavior</i> , 2015, 36, 59-64.	1.4	31
52	Title is missing!. <i>Aquatic Ecology</i> , 2000, 34, 279-285.	0.7	29
53	The Course of Malaria in Mice: Major Histocompatibility Complex (MHC) Effects, but No General MHC Heterozygote Advantage in Single-Strain Infections. <i>Genetics</i> , 2005, 170, 1427-1430.	1.2	29
54	“Good-genes” and “compatible-genes” effects in an Alpine whitefish and the information content of breeding tubercles over the course of the spawning season. <i>Genetica</i> , 2008, 134, 21-30.	0.5	29

#	ARTICLE	IF	CITATIONS
55	Increased diversity of egg-associated bacteria on brown trout (<i>Salmo trutta</i>) at elevated temperatures. <i>Scientific Reports</i> , 2015, 5, 17084.	1.6	29
56	Manipulating sex ratio to increase population growth: the example of the Lesser Kestrel. <i>Animal Conservation</i> , 2007, 10, 236-244.	1.5	28
57	Maternal and paternal contributions to pathogen resistance dependent on development stage in a whitefish (<i>Salmonidae</i>). <i>Functional Ecology</i> , 2014, 28, 714-723.	1.7	28
58	Effects of host genetics and environment on egg-associated microbiotas in brown trout (<i>Salmo trutta</i>). <i>Journal of Herpetology</i> , 2010, 44, 107-114.	2.0	28
59	No sibling odor preference in juvenile three-spined sticklebacks. <i>Behavioral Ecology</i> , 1999, 10, 493-497.	1.0	27
60	The weaker points of fish acute toxicity tests and how tests on embryos can solve some issues. <i>Environmental Pollution</i> , 2007, 148, 385-389.	3.7	27
61	Introduction of Trojan sex chromosomes to boost population growth. <i>Journal of Theoretical Biology</i> , 2007, 249, 153-161.	0.8	27
62	Pathogen-induced hatching and population-specific life-history response to waterborne cues in brown trout (<i>Salmo trutta</i>). <i>Behavioral Ecology and Sociobiology</i> , 2013, 67, 649-656.	0.6	27
63	Sperm velocity in an Alpine whitefish: effects of age, size, condition, fluctuating asymmetry and gonad abnormalities. <i>Journal of Fish Biology</i> , 2007, 71, 672-683.	0.7	25
64	SSCP analysis of Mhc class II B genes in the threespine stickleback. <i>Journal of Fish Biology</i> , 2001, 58, 887-890.	0.7	24
65	GAME THEORY: Enhanced: Give and Ye Shall Be Recognized. <i>Science</i> , 1998, 280, 2070b-2071.	6.0	24
66	"Good-genes" and "compatible-genes" effects in an Alpine whitefish and the information content of breeding tubercles over the course of the spawning season. <i>Genetica</i> , 2007, 132, 199-208.	0.5	23
67	The evolutionary significance of costly punishment is still to be demonstrated. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , 2009, 106, E135; author reply E136.	3.3	23
68	Managing Population Sex Ratios in Conservation Practice: How and Why?. , 0, , .		23
69	Additive genetic variation for tolerance to estrogen pollution in natural populations of Alpine whitefish (<i>Coregonus alpinus</i> sp., <i>Salmonidae</i>). <i>Evolutionary Applications</i> , 2014, 7, 1084-1093.	1.5	23
70	Isolation and characterization of microsatellite loci from the tapeworm <i>Schistocephalus solidus</i> . <i>Molecular Ecology</i> , 2000, 9, 1926-1927.	2.0	22
71	The MHC and body odors: arbitrary effects caused by shifts of mean pleasantness. <i>Nature Genetics</i> , 2002, 31, 237-237.	9.4	21
72	Early maternal investment in mice: no evidence for compatible-genes sexual selection despite hybrid vigor. <i>Journal of Evolutionary Biology</i> , 2006, 19, 922-928.	0.8	20

#	ARTICLE	IF	CITATIONS
73	Predicting the mating system from phenotypic correlations between life-history and sperm quality traits in the Alpine whitefish <i>Coregonus zugensis</i> . <i>Behavioral Ecology and Sociobiology</i> , 2008, 62, 561-567.	0.6	19
74	Fish populations surviving estrogen pollution. <i>BMC Biology</i> , 2014, 12, 10.	1.7	19
75	Parental Influences on Pathogen Resistance in Brown Trout Embryos and Effects of Outcrossing within a River Network. <i>PLoS ONE</i> , 2013, 8, e57832.	1.1	19
76	Maternal allocation of carotenoids increases tolerance to bacterial infection in brown trout. <i>Oecologia</i> , 2017, 185, 351-363.	0.9	18
77	Sequence diversity of Mhc genes in lake whitefish. <i>Journal of Fish Biology</i> , 2001, 58, 359-373.	0.7	17
78	Female major histocompatibility complex type affects male testosterone levels and sperm number in the horse (<i>Equus caballus</i>). <i>Proceedings of the Royal Society B: Biological Sciences</i> , 2015, 282, 20150407.	1.2	17
79	Declining diversity of egg-associated bacteria during development of naturally spawned whitefish embryos (<i>Coregonus</i> spp.). <i>Aquatic Sciences</i> , 2015, 77, 481-497.	0.6	17
80	Major histocompatibility complex-linked social signalling affects female fertility. <i>Proceedings of the Royal Society B: Biological Sciences</i> , 2017, 284, 20171824.	1.2	17
81	Ejaculate Characteristics Depend on Social Environment in the Horse (<i>Equus caballus</i>). <i>PLoS ONE</i> , 2015, 10, e0143185.	1.1	17
82	MHC class I expression dependent on bacterial infection and parental factors in whitefish embryos (<i>Salmonidae</i>). <i>Molecular Ecology</i> , 2013, 22, 5256-5269.	2.0	16
83	The experimental rearing of large salmonid eggs in Petri dishes. <i>Functional Ecology</i> , 2004, 18, 138-140.	1.7	15
84	The Major Histocompatibility Complex and Perfumers' Descriptions of Human Body Odors. <i>Evolutionary Psychology</i> , 2007, 5, 147470490700500.	0.6	15
85	Temperature-induced sex reversal is not responsible for sex ratio distortions in grayling <i>Thymallus thymallus</i> or brown trout <i>Salmo trutta</i> . <i>Journal of Fish Biology</i> , 2013, 83, 404-411.	0.7	15
86	Sex differentiation in grayling (<i>Salmonidae</i>) goes through an all-male stage and is delayed in genetic males who instead grow faster. <i>Scientific Reports</i> , 2017, 7, 15024.	1.6	15
87	Sperm cryopreservation reduces offspring growth. <i>Proceedings of the Royal Society B: Biological Sciences</i> , 2019, 286, 20191644.	1.2	15
88	The Potential Effects of Social Interactions on Reproductive Efficiency of Stallions. <i>Journal of Equine Veterinary Science</i> , 2012, 32, 455-457.	0.4	14
89	Environmental stress linked to consumption of maternally derived carotenoids in brown trout embryos (<i>Salmo trutta</i>). <i>Ecology and Evolution</i> , 2017, 7, 5082-5093.	0.8	14
90	Stallion semen quality depends on major histocompatibility complex matching to teaser mare. <i>Molecular Ecology</i> , 2018, 27, 1025-1035.	2.0	14

#	ARTICLE	IF	CITATIONS
91	THE CLEARANCE OF HIDDEN CESTODE INFECTION TRIGGERED BY AN INDEPENDENT ACTIVATION OF HOST DEFENSE IN A TELEOST FISH. <i>Journal of Parasitology</i> , 2004, 90, 1329-1331.	0.3	13
92	The separate and combined effects of MHC genotype, parasite clone, and host gender on the course of malaria in mice. <i>BMC Genetics</i> , 2006, 7, 55.	2.7	13
93	Tackling the diversity of sex determination. <i>Biology Letters</i> , 2010, 6, 7-9.	1.0	13
94	Exposure to stallion accelerates the onset of mares' cyclicity. <i>Theriogenology</i> , 2014, 82, 189-194.	0.9	13
95	Testing the effects of genetic crossing distance on embryo survival within a metapopulation of brown trout (<i>Salmo trutta</i>). <i>Conservation Genetics</i> , 2014, 15, 375-386.	0.8	13
96	No additive genetic variance for tolerance to ethynylestradiol exposure in natural populations of brown trout (<i>Salmo trutta</i>). <i>Evolutionary Applications</i> , 2019, 12, 940-950.	1.5	13
97	Change in individual growth rate and its link to gill-net fishing in two sympatric whitefish species. <i>Evolutionary Ecology</i> , 2011, 25, 681-693.	0.5	12
98	Genetic correlations and little genetic variance for reaction norms may limit potential for adaptation to pollution by ionic and nanoparticulate silver in a whitefish (Salmonidae). <i>Ecology and Evolution</i> , 2016, 6, 2751-2762.	0.8	12
99	MHC-correlated preferences in diestrous female horses (<i>Equus caballus</i>). <i>Theriogenology</i> , 2017, 89, 318-323.e1.	0.9	12
100	Reply from C. Wedekind and T. Seebeck. <i>Trends in Ecology and Evolution</i> , 1996, 11, 24-25.	4.2	11
101	Sex-specific changes in gene expression in response to estrogen pollution around the onset of sex differentiation in grayling (Salmonidae). <i>BMC Genomics</i> , 2019, 20, 583.	1.2	11
102	A low-cost method of rearing multiple batches of fish. <i>Aquaculture</i> , 2001, 192, 31-37.	1.7	10
103	The Intensity of Human Body Odors and the MHC: Should We Expect a Link?. <i>Evolutionary Psychology</i> , 2006, 4, 147470490600400.	0.6	10
104	Testing for local adaptation in brown trout using reciprocal transplants. <i>BMC Evolutionary Biology</i> , 2012, 12, 247.	3.2	10
105	Quality of seminal fluids varies with type of stimulus at ejaculation. <i>Scientific Reports</i> , 2017, 7, 44339.	1.6	10
106	Searching for sex-reversals to explain population demography and the evolution of sex chromosomes. <i>Molecular Ecology</i> , 2010, 19, 1760-1762.	2.0	9
107	Gonadal alterations in male whitefish <i>Coregonus fatioides</i> : no evidence for genetic damage reducing viability in early life stages. <i>Diseases of Aquatic Organisms</i> , 2008, 81, 119-125.	0.5	9
108	Male Mutation Bias and Possible Long-Term Effects of Human Activities. <i>Conservation Biology</i> , 2010, 24, 1190-1197.	2.4	8

#	ARTICLE	IF	CITATIONS
109	Consumption of carotenoids not increased by bacterial infection in brown trout embryos (<i>Salmo trutta</i>). <i>Evolutionary Applications</i> , 2019, 12, 1078-1084.	1.1	8
110	Low adaptive potential for tolerance to ethynylestradiol, but also low toxicity, in a grayling population (<i>Thymallus thymallus</i>). <i>BMC Evolutionary Biology</i> , 2019, 19, 227.	3.2	8
111	Embryonic gene expression of <i>Coregonus palaea</i> (whitefish) under pathogen stress as analyzed by high-throughput RNA-sequencing. <i>Fish and Shellfish Immunology</i> , 2015, 47, 130-140.	1.6	7
112	Testing for population differences in evolutionary responses to pesticide pollution in brown trout (<i>Salmo trutta</i>). <i>Evolutionary Applications</i> , 2021, 14, 462-475.	1.5	7
113	Sperm costs and lifespan. <i>Nature</i> , 1993, 362, 417-418.	13.7	6
114	Sex-Specific Stress Tolerance in Embryos of Lake Char (<i>Salvelinus umbla</i>). <i>Frontiers in Ecology and Evolution</i> , 2021, 9, .	1.1	6
115	The establishment of communication systems depends on the scale of competition. <i>Evolution and Human Behavior</i> , 2012, 33, 232-240.	1.4	4
116	A predicted interaction between odour pleasantness and intensity provides evidence for major histocompatibility complex social signalling in women. <i>Proceedings of the Royal Society B: Biological Sciences</i> , 2018, 285, 20172714.	1.2	4
117	Male sexual signaling and expected effects of hatchery-induced sperm competition vary with water depth at which whitefish are caught. <i>Environmental Epigenetics</i> , 2021, 67, 337-340.	0.9	4
118	Mate Choice, the Major Histocompatibility Complex, and Offspring Viability. , 0, , 309-321.		3
119	Exposure to superfluous information reduces cooperation and increases antisocial punishment in reputation-based interactions. <i>Frontiers in Ecology and Evolution</i> , 2014, 2, .	1.1	3
120	Body Odours and Body Odour Preferences in Humans. , 2007, , .		3
121	Examining the Motivations for Generosity. <i>Science</i> , 2000, 290, 454-455.	6.0	2
122	Examining punishment at different explanatory levels. <i>Behavioral and Brain Sciences</i> , 2012, 35, 23-24.	0.4	2
123	High interindividual and intraindividual variation of oxytocin secretion in estrous mares exposed to stallions, but no significant link to mate preferences. <i>Theriogenology</i> , 2016, 86, 2222-2229.	0.9	2
124	Pros and cons of fluorescent pigment mass marking with different colours: A 5-year long study on grayling (<i>Thymallus thymallus</i> L.). <i>Fisheries Management and Ecology</i> , 2017, 24, 173-175.	1.0	2
125	Cycle-specific female preferences for visual and non-visual cues in the horse (<i>Equus caballus</i>). <i>PLoS ONE</i> , 2018, 13, e0191845.	1.1	2
126	Sex-Specific Life History Affected by Stocking in Juvenile Brown Trout. <i>Frontiers in Ecology and Evolution</i> , 2022, 10, .	1.1	2

#	ARTICLE	IF	CITATIONS
127	Persistent high hatchery recruitment despite advanced reoligotrophication and significant natural spawning in a whitefish. <i>Global Ecology and Conservation</i> , 2022, 38, e02219.	1.0	2
128	Embryo survival in the oviduct not significantly influenced by major histocompatibility complex social signaling in the horse. <i>Scientific Reports</i> , 2020, 10, 1056.	1.6	1
129	Sequence diversity of Mhc genes in lake whitefish. <i>Journal of Fish Biology</i> , 2001, 58, 359-373.	0.7	1
130	Additive Genetic Effects on Embryo Viability in a Whitefish (Salmonidae) Influenced by the Water Mould <i>Saprolegnia ferax</i> . <i>Journal of Bacteriology & Parasitology</i> , 2016, 07, .	0.2	1
131	'Goodi½ and 'Badi½ Body Odours. , 2002, 30, 23-29.		0
132	Valuable reputation gained by altruistic behavioral patterns. <i>Behavioral and Brain Sciences</i> , 2002, 25, 279-280.	0.4	0
133	Stochasticity in economic losses increases the value of reputation in indirect reciprocity. <i>Scientific Reports</i> , 2015, 5, 18182.	1.6	0
134	Implications of Sexual Selection for Virulence Management. , 2002, , 248-261.		0
135	Mate choice and maternal selection for specific parasite resistances before, during and after fertilization. , 1997, , 33-41.		0