

Claus Wedekind

List of Publications by Year in Descending Order

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The third column is the impact factor (IF) of the journal, and the fourth column is the number of citations of the article.

133
papers

5,793
citations

38
h-index

73
g-index

154
ext. papers

6,450
ext. citations

5.1
avg, IF

5.96
L-index

#	Paper	IF	Citations
133	Testing for population differences in evolutionary responses to pesticide pollution in brown trout (). <i>Evolutionary Applications</i> , 2021 , 14, 462-475	4.8	1
132	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	2.4	0
131	Effects of global warming on sex ratios in fishes. <i>Journal of Fish Biology</i> , 2020 , 97, 596-606	1.9	22
130	Embryo survival in the oviduct not significantly influenced by major histocompatibility complex social signaling in the horse. <i>Scientific Reports</i> , 2020 , 10, 1056	4.9	
129	Sperm cryopreservation reduces offspring growth. <i>Proceedings of the Royal Society B: Biological Sciences</i> , 2019 , 286, 20191644	4.4	5
128	No additive genetic variance for tolerance to ethynylestradiol exposure in natural populations of brown trout (). <i>Evolutionary Applications</i> , 2019 , 12, 940-950	4.8	7
127	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	4.5	4
126	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	5
125	Stallion semen quality depends on major histocompatibility complex matching to teaser mare. <i>Molecular Ecology</i> , 2018 , 27, 1025-1035	5.7	11
124	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,	4.4	3
123	Cycle-specific female preferences for visual and non-visual cues in the horse (<i>Equus caballus</i>). <i>PLoS ONE</i> , 2018 , 13, e0191845	3.7	2
122	Population Consequences of Releasing Sex-Reversed Fish 2018 , 179-188		1
121	Consumption of carotenoids not increased by bacterial infection in brown trout embryos (<i>Salmo trutta</i>). <i>PLoS ONE</i> , 2018 , 13, e0198834	3.7	4
120	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	1.8	0
119	Quality of seminal fluids varies with type of stimulus at ejaculation. <i>Scientific Reports</i> , 2017 , 7, 44339	4.9	9
118	Maternal allocation of carotenoids increases tolerance to bacterial infection in brown trout. <i>Oecologia</i> , 2017 , 185, 351-363	2.9	11
117	Environmental stress linked to consumption of maternally derived carotenoids in brown trout embryos (). <i>Ecology and Evolution</i> , 2017 , 7, 5082-5093	2.8	11

116	Demographic and genetic consequences of disturbed sex determination. <i>Philosophical Transactions of the Royal Society B: Biological Sciences</i> , 2017 , 372,	5.8	31
115	Sex differentiation in grayling (Salmonidae) goes through an all-male stage and is delayed in genetic males who instead grow faster. <i>Scientific Reports</i> , 2017 , 7, 15024	4.9	10
114	MHC-correlated preferences in diestrous female horses (<i>Equus caballus</i>). <i>Theriogenology</i> , 2017 , 89, 318-323.e11	3.8	11
113	Major histocompatibility complex-linked social signalling affects female fertility. <i>Proceedings of the Royal Society B: Biological Sciences</i> , 2017 , 284,	4.4	14
112	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, 2751-62	2.8	7
111	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	2.8	1
110	Effects of host genetics and environment on egg-associated microbiotas in brown trout (<i>Salmo trutta</i>). <i>Molecular Ecology</i> , 2016 , 25, 4930-45	5.7	22
109	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	2.5	13
108	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, 130-40	4.3	5
107	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	4	21
106	Increased diversity of egg-associated bacteria on brown trout (<i>Salmo trutta</i>) at elevated temperatures. <i>Scientific Reports</i> , 2015 , 5, 17084	4.9	18
105	Stochasticity in economic losses increases the value of reputation in indirect reciprocity. <i>Scientific Reports</i> , 2015 , 5, 18182	4.9	
104	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	4.4	17
103	Ejaculate Characteristics Depend on Social Environment in the Horse (<i>Equus caballus</i>). <i>PLoS ONE</i> , 2015 , 10, e0143185	3.7	17
102	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	2.6	11
101	Fish populations surviving estrogen pollution. <i>BMC Biology</i> , 2014 , 12, 10	7.3	9
100	Exposure to superfluous information reduces cooperation and increases antisocial punishment in reputation-based interactions. <i>Frontiers in Ecology and Evolution</i> , 2014 , 2,	3.7	2
99	Additive genetic variation for tolerance to estrogen pollution in natural populations of Alpine whitefish (<i>Coregonus</i> sp., Salmonidae). <i>Evolutionary Applications</i> , 2014 , 7, 1084-93	4.8	19

98	Maternal and paternal contributions to pathogen resistance dependent on development stage in a whitefish (Salmonidae). <i>Functional Ecology</i> , 2014 , 28, 714-723	5.6	22
97	Exposure to stallion accelerates the onset of mares' cyclicity. <i>Theriogenology</i> , 2014 , 82, 189-94	2.8	11
96	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, 404-11	1.9	12
95	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	2.5	21
94	Persistent unequal sex ratio in a population of grayling (Salmonidae) and possible role of temperature increase. <i>Conservation Biology</i> , 2013 , 27, 229-34	6	31
93	MHC class I expression dependent on bacterial infection and parental factors in whitefish embryos (Salmonidae). <i>Molecular Ecology</i> , 2013 , 22, 5256-69	5.7	12
92	Human cooperation based on punishment reputation. <i>Evolution; International Journal of Organic Evolution</i> , 2013 , 67, 2446-50	3.8	30
91	Parental influences on pathogen resistance in brown trout embryos and effects of outcrossing within a river network. <i>PLoS ONE</i> , 2013 , 8, e57832	3.7	16
90	The establishment of communication systems depends on the scale of competition. <i>Evolution and Human Behavior</i> , 2012 , 33, 232-240	4	1
89	Genetic and phenotypic population divergence on a microgeographic scale in brown trout. <i>Molecular Ecology</i> , 2012 , 21, 2896-915	5.7	51
88	The Potential Effects of Social Interactions on Reproductive Efficiency of Stallions. <i>Journal of Equine Veterinary Science</i> , 2012 , 32, 455-457	1.2	10
87	Testing for local adaptation in brown trout using reciprocal transplants. <i>BMC Evolutionary Biology</i> , 2012 , 12, 247	3	9
86	Managing Population Sex Ratios in Conservation Practice: How and Why? 2012 ,		9
85	Examining punishment at different explanatory levels. <i>Behavioral and Brain Sciences</i> , 2012 , 35, 23-4	0.9	2
84	The evolution of punishment through reputation. <i>Proceedings of the Royal Society B: Biological Sciences</i> , 2011 , 278, 371-7	4.4	110
83	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	1.8	12
82	Male mutation bias and possible long-term effects of human activities. <i>Conservation Biology</i> , 2010 , 24, 1190-7	6	8
81	Shift of spawning season and effects of climate warming on developmental stages of a grayling (Salmonidae). <i>Conservation Biology</i> , 2010 , 24, 1418-23	6	49

80	Environmental sex reversal, Trojan sex genes, and sex ratio adjustment: conditions and population consequences. <i>Molecular Ecology</i> , 2010 , 19, 627-46	5.7	56
79	Searching for sex-reversals to explain population demography and the evolution of sex chromosomes. <i>Molecular Ecology</i> , 2010 , 19, 1760-2	5.7	8
78	Effects of different mating scenarios on embryo viability in brown trout. <i>Molecular Ecology</i> , 2010 , 19, 5296-307	5.7	39
77	Tackling the diversity of sex determination. <i>Biology Letters</i> , 2010 , 6, 7-9	3.6	12
76	Elevated resource availability sufficient to turn opportunistic into virulent fish pathogens. <i>Ecology</i> , 2010 , 91, 1251-6	4.6	39
75	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	11.5	18
74	Fishery-induced selection on an Alpine whitefish: quantifying genetic and environmental effects on individual growth rate. <i>Evolutionary Applications</i> , 2009 , 2, 200-8	4.8	44
73	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	2.8	38
72	Population consequences of environmental sex reversal. <i>Conservation Biology</i> , 2009 , 23, 196-206	6	65
71	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, 531-5	4.3	30
70	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, 1737-44	4.4	43
69	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 , 132, 199-208	1.5	19
68	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	1.5	23
67	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	2.5	15
66	Gonadal alterations in male whitefish <i>Coregonus fatioid</i> : no evidence for genetic damage reducing viability in early life stages. <i>Diseases of Aquatic Organisms</i> , 2008 , 81, 119-25	1.7	4
65	Introduction of Trojan sex chromosomes to boost population growth. <i>Journal of Theoretical Biology</i> , 2007 , 249, 153-61	2.3	24
64	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	1.9	22
63	Manipulating sex ratio to increase population growth: the example of the Lesser Kestrel. <i>Animal Conservation</i> , 2007 , 10, 236-244	3.2	24

62	Male dominance linked to size and age, but not to good genes Tin brown trout (<i>Salmo trutta</i>). <i>BMC Evolutionary Biology</i> , 2007 , 7, 207	3	55
61	The Major Histocompatibility Complex and Perfumers T Descriptions of Human Body Odors. <i>Evolutionary Psychology</i> , 2007 , 5, 147470490700500	1.5	13
60	Control of introduced species using Trojan sex chromosomes. <i>Trends in Ecology and Evolution</i> , 2007 , 22, 441-3	10.9	45
59	The weaker points of fish acute toxicity tests and how tests on embryos can solve some issues. <i>Environmental Pollution</i> , 2007 , 148, 385-9	9.3	24
58	The genetic consequences of hatchery-induced sperm competition in a salmonid. <i>Biological Conservation</i> , 2007 , 137, 180-188	6.2	55
57	The Intensity of Human Body Odors and the MHC: Should We Expect a Link?. <i>Evolutionary Psychology</i> , 2006 , 4, 147470490600400	1.5	8
56	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	2.6	12
55	Early maternal investment in mice: no evidence for compatible-genes sexual selection despite hybrid vigor. <i>Journal of Evolutionary Biology</i> , 2006 , 19, 922-8	2.3	18
54	RISK-INDUCED EARLY HATCHING IN SALMONIDS. <i>Ecology</i> , 2005 , 86, 2525-2529	4.6	28
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, 1427-30	4	28
52	The experimental rearing of large salmonid eggs in Petri dishes. <i>Functional Ecology</i> , 2004 , 18, 138-140	5.6	14
51	MHC-linked susceptibility to a bacterial infection, but no MHC-linked cryptic female choice in whitefish. <i>Journal of Evolutionary Biology</i> , 2004 , 17, 11-8	2.3	71
50	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, 1329-31	0.9	11
49	Valuable reputation gained by altruistic behavioral patterns. <i>Behavioral and Brain Sciences</i> , 2002 , 25, 279-280	0.9	
48	Induced hatching to avoid infectious egg disease in whitefish. <i>Current Biology</i> , 2002 , 12, 69-71	6.3	65
47	The long-term benefits of human generosity in indirect reciprocity. <i>Current Biology</i> , 2002 , 12, 1012-5	6.3	208
46	Manipulating sex ratios for conservation: short-term risks and long-term benefits. <i>Animal Conservation</i> , 2002 , 5, 13-20	3.2	47
45	Sexual Selection and Life-History Decisions: Implications for Supportive Breeding and the Management of Captive Populations. <i>Conservation Biology</i> , 2002 , 16, 1204-1211	6	90

44	The MHC and body odors: arbitrary effects caused by shifts of mean pleasantness. <i>Nature Genetics</i> , 2002 , 31, 237; author reply 237	36.3	18
43	Size-dependent discrimination of mating partners in the simultaneous hermaphroditic cestode <i>Schistocephalus solidus</i> . <i>Behavioral Ecology</i> , 2002 , 13, 254-259	2.3	37
42	Good and bad body odours. <i>Current Problems in Dermatology</i> , 2002 , 30, 23-9		
41	Implications of Sexual Selection for Virulence Management 2002 , 248-261		
40	Size-dependent sex allocation in a simultaneous hermaphrodite parasite. <i>Journal of Evolutionary Biology</i> , 2001 , 14, 55-67	2.3	51
39	Potential genetic benefits of mate selection in whitefish. <i>Journal of Evolutionary Biology</i> , 2001 , 14, 980-986		127
38	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	2.3	36
37	SSCP analysis of Mhc class IIB genes in the threespine stickleback. <i>Journal of Fish Biology</i> , 2001 , 58, 887-890	2.9	30
36	Sequence diversity of Mhc genes in lake whitefish. <i>Journal of Fish Biology</i> , 2001 , 58, 359-373	1.9	16
35	Evidence for MHC-correlated perfume preferences in humans. <i>Behavioral Ecology</i> , 2001 , 12, 140-149	2.3	94
34	A low-cost method of rearing multiple batches of fish. <i>Aquaculture</i> , 2001 , 192, 31-37	4.4	10
33	Sequence diversity of Mhc genes in lake whitefish 2001 , 58, 359		1
32	SSCP analysis of Mhc class II B genes in the threespine stickleback. <i>Journal of Fish Biology</i> , 2001 , 58, 887-890	2.9	20
31	Isolation and characterization of microsatellite loci from the tapeworm <i>Schistocephalus solidus</i> . <i>Molecular Ecology</i> , 2000 , 9, 1926-7	5.7	19
30	Relative helminth size in crustacean hosts: in vivo determination, and effects of host gender and within-host competition in a copepod infected by a cestode. <i>Aquatic Ecology</i> , 2000 , 34, 279-285	1.9	27
29	Nonlinkage of major histocompatibility complex class I and class II loci in bony fishes. <i>Immunogenetics</i> , 2000 , 51, 108-116	3.2	155
28	Cooperation through image scoring in humans. <i>Science</i> , 2000 , 288, 850-2	33.3	667
27	Examining the motivations for generosity. <i>Science</i> , 2000 , 290, 454-5	33.3	2

26	No sibling odor preference in juvenile three-spined sticklebacks. <i>Behavioral Ecology</i> , 1999 , 10, 493-497	2.3	23
25	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	1.8	39
24	Different Carotenoids and Potential Information Content of Red Coloration of Male Three-Spined Stickleback. <i>Journal of Chemical Ecology</i> , 1998 , 24, 787-801	2.7	79
23	MHC-genotype of progeny influenced by parental infection. <i>Proceedings of the Royal Society B: Biological Sciences</i> , 1998 , 265, 711-6	4.4	65
22	Male-Biased Susceptibility to Helminth Infection: An Experimental Test with a Copepod. <i>Oikos</i> , 1998 , 81, 458	4	64
21	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, 13755-8	11.5	178
20	Copepod reaction to odor stimuli influenced by cestode infection. <i>Behavioral Ecology</i> , 1998 , 9, 414-418	2.3	32
19	Evidence for strategic egg production in a hermaphroditic cestode. <i>Parasitology</i> , 1998 , 117 (Pt 4), 373-82.	7.7	72
18	GAME THEORY: Enhanced: Give and Ye Shall Be Recognized. <i>Science</i> , 1998 , 280, 2070b-2071	33.3	18
17	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 (Pt 3), 317-24	2.7	77
16	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, 1471-9	4.4	353
15	Mate choice and maternal selection for specific parasite resistances before, during and after fertilization 1997 , 33-41		
14	Lek-Like Spawning Behaviour and Different Female Mate Preferences in Roach (<i>Rutilus Rutilus</i>). <i>Behaviour</i> , 1996 , 133, 681-695	1.4	36
13	Reply from C. Wedekind and T. Seebeck. <i>Trends in Ecology and Evolution</i> , 1996 , 11, 24-5	10.9	11
12	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	2.7	73
11	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, 2686-9	11.5	148
10	Non-random fertilization in mice correlates with the MHC and something else. <i>Heredity</i> , 1996 , 77 (Pt 4), 400-9	3.6	110
9	MHC-dependent mate preferences in humans. <i>Proceedings of the Royal Society B: Biological Sciences</i> , 1995 , 260, 245-9	4.4	627

8	Handicaps not obligatory in sexual selection for resistance genes. <i>Journal of Theoretical Biology</i> , 1994 , 170, 57-62	2.3	32
7	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, 303-11	5.8	79
6	Adaptive or Nonadaptive Immunosuppression by Sex Hormones?. <i>American Naturalist</i> , 1994 , 143, 936-938	3.7	243
5	Sperm costs and lifespan. <i>Nature</i> , 1993 , 362, 417-8	50.4	2
4	Mate Choice, the Major Histocompatibility Complex, and Offspring Viability	309-321	1
3	Sex-specific changes in gene expression and delayed sex differentiation in response to estrogen pollution in grayling (Salmonidae)		2
2	Sex differentiation in grayling (Salmonidae) goes through an all-male stage and is delayed in genetic males who instead grow faster		1
1	Toxicity of 2 pg ethynylestradiol in brown trout embryos (<i>Salmo trutta</i>)		1