Maren Wellenreuther

List of Publications by Year
in descending order

88 papers	3,313 citations	172457 29 h-index	189892 50 g-index
107 all docs	107 docs citations	107 times ranked	4151 citing authors

#	Article	IF	Citations
1	Eco-Evolutionary Genomics of Chromosomal Inversions. Trends in Ecology and Evolution, 2018, 33, 427-440.	8.7	399
2	Harnessing the Power of Genomics to Secure the Future of Seafood. Trends in Ecology and Evolution, 2017, 32, 665-680.	8.7	202
3	A Roadmap for Understanding the Evolutionary Significance of Structural Genomic Variation. Trends in Ecology and Evolution, 2020, 35, 561-572.	8.7	190
4	Going beyond SNPs: The role of structural genomic variants in adaptive evolution and species diversification. Molecular Ecology, 2019, 28, 1203-1209.	3.9	178
5	Detecting Polygenic Evolution: Problems, Pitfalls, and Promises. Trends in Genetics, 2016, 32, 155-164.	6.7	138
6	Sexual selection and genetic colour polymorphisms in animals. Molecular Ecology, 2014, 23, 5398-5414.	3.9	137
7	Odonata (dragonflies and damselflies) as a bridge between ecology and evolutionary genomics. Frontiers in Zoology, 2016, 13, 46.	2.0	75
8	Gene expression under thermal stress varies across a geographical range expansion front. Molecular Ecology, 2016, 25, 1141-1156.	3.9	73
9	Climatic niche divergence or conservatism? Environmental niches and range limits in ecologically similar damselflies. Ecology, 2012, 93, 1353-1366.	3.2	70
10	Epigenetic inheritance and reproductive mode in plants and animals. Trends in Ecology and Evolution, 2021, 36, 1124-1140.	8.7	70
11	Balancing selection via life-history trade-offs maintains an inversion polymorphism in a seaweed fly. Nature Communications, 2020, 11, 670.	12.8	69
12	The genomic pool of standing structural variation outnumbers single nucleotide polymorphism by threefold in the marine teleost Chrysophrys auratus. Molecular Ecology, 2019, 28, 1210-1223.	3.9	67
13	Evolutionary consequences of climateâ€induced range shifts in insects. Biological Reviews, 2016, 91, 1050-1064.	10.4	63
14	STRONG ASYMMETRY IN THE RELATIVE STRENGTHS OF PREZYGOTIC AND POSTZYGOTIC BARRIERS BETWEEN TWO DAMSELFLY SISTER SPECIES. Evolution; International Journal of Organic Evolution, 2012, 66, 690-707.	2.3	59
15	Genetic divergence predicts reproductive isolation in damselflies. Journal of Evolutionary Biology, 2014, 27, 76-87.	1.7	58
16	Ecological diversification in habitat use by subtidal triplefin fishes (Tripterygiidae). Marine Ecology - Progress Series, 2007, 330, 235-246.	1.9	58
17	Permanent Genetic Resources added to Molecular Ecology Resources Database 1 December 2009â€“31 January 2010. Molecular Ecology Resources, 2010, 10, 576-579.	4.8	56
18	SIMULATING RANGE EXPANSION: MALE SPECIES RECOGNITION AND LOSS OF PREMATING ISOLATION IN DAMSELFLIES. Evolution; International Journal of Organic Evolution, 2010, 64, 242-252.	2.3	51

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19	Observations of movement dynamics of flying insects using high resolution lidar. Scientific Reports, 2016, 6, 29083.	3.3	49
20	Locally Adaptive Inversions Modulate Genetic Variation at Different Geographic Scales in a Seaweed Fly. Molecular Biology and Evolution, 2021, 38, 3953-3971.	8.9	48
21	De novo transcriptome of Ischnura elegans provides insights into sensory biology, colour and vision genes. BMC Genomics, 2014, 15, 808.	2.8	46
22	Environmental and Climatic Determinants of Molecular Diversity and Genetic Population Structure in a Coenagrionid Damselfly. PLoS ONE, 2011, 6, e20440.	2.5	45
23	Insect monitoring with fluorescence lidar techniques: feasibility study. Applied Optics, 2009, 48, 5668.	2.1	44
24	Insect monitoring with fluorescence lidar techniques: field experiments. Applied Optics, 2010, 49, 5133.	2.1	44
25	The influence of stochastic and selective forces in the population divergence of female colour polymorphism in damselflies of the genus Ischnura. Heredity, 2011, 107, 513-522.	2.6	42
26	Response of predators to prey abundance: separating the effects of prey density and patch size. Journal of Experimental Marine Biology and Ecology, 2002, 273, 61-71.	1.5	37
27	Intercontinental karyotypeâ€“environment parallelism supports a role for a chromosomal inversion in local adaptation in a seaweed fly. Proceedings of the Royal Society B: Biological Sciences, 2018, 285, 20180519.	2.6	37
28	Introgression and rapid species turnover in sympatric damselflies. BMC Evolutionary Biology, 2011, 11, 210.	3.2	35
29	Sex differences in developmental plasticity and canalization shape population divergence in mate preferences. Proceedings of the Royal Society B: Biological Sciences, 2014, 281, 20141636.	2.6	35
30	High-Density Linkage Map and QTLs for Growth in Snapper (Chrysophrys auratus). G3: Genes, Genomes, Genetics, 2019, 9, 1027-1035.	1.8	35
31	Physiology underpins habitat partitioning in a sympatric sisterâ€species pair of intertidal fishes. Functional Ecology, 2008, 22, 1108-1117.	3.6	34
32	Fifteen years of quantitative trait loci studies in fish: challenges and future directions. Molecular Ecology, 2017, 26, 1465-1476.	3.9	34
33	Local adaptation along an environmental cline in a species with an inversion polymorphism. Journal of Evolutionary Biology, 2017, 30, 1068-1077.	1.7	30
34	Unlocking the potential of ancient fish DNA in the genomic era. Evolutionary Applications, 2019, 12, 1513-1522.	3.1	30
35	Rapid evolution of prezygotic barriers in non-territorial damselflies. Biological Journal of the Linnean Society, 2014, 113, 485-496.	1.6	29
36	Genetic stock structure of New Zealand fish and the use of genomics in fisheries management: an overview and outlook. New Zealand Journal of Zoology, 2021, 48, 1-31.	1.1	29

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37	Reproductive isolation in temperate reef fishes. Marine Biology, 2007, 152, 619-630.	1.5	27
38	Nonadaptive radiation in damselflies. Evolutionary Applications, 2016, 9, 103-118.	3.1	27
39	Rare Events in Remote Dark-Field Spectroscopy: An Ecological Case Study of Insects. IEEE Journal of Selected Topics in Quantum Electronics, 2012, 18, 1573-1582.	2.9	25
40	Ontogenetic shifts in male mating preference and morph-specific polyandry in a female colour polymorphic insect. BMC Evolutionary Biology, 2013, 13, 116.	3.2	25
41	Transcriptome profiling in the damselfly Ischnura elegans identifies genes with sex-biased expression. BMC Genomics, 2016, 17, 985.	2.8	25
42	Permanent Genetic Resources added to Molecular Ecology Resources Database 1 February 2011â€“31 March 2011. Molecular Ecology Resources, 2011, 11, 757-758.	4.8	24
43	Trophic ecology of New Zealand triplefin fishes (Family Tripterygiidae). Marine Biology, 2009, 156, 1703-1714.	1.5	23
44	Genetic diversity and heritability of economically important traits in captive Australasian snapper (Chrysophrys auratus). Aquaculture, 2019, 505, 190-198.	3.5	23
45	Comparative Morphology of the Mechanosensory Lateral Line System in a Clade of New Zealand Triplefin Fishes. Brain, Behavior and Evolution, 2010, 75, 292-308.	1.7	22
46	Women in evolution â€“ highlighting the changing face of evolutionary biology. Evolutionary Applications, 2016, 9, 3-16.	3.1	22
47	Domestication and Temperature Modulate Gene Expression Signatures and Growth in the Australasian Snapper Chrysophrys auratus. G3: Genes, Genomes, Genetics, 2019, 9, 105-116.	1.8	22
48	Molecular and ecological signatures of an expanding hybrid zone. Ecology and Evolution, 2018, 8, 4793-4806.	1.9	21
49	Determinants of habitat association in a sympatric clade of marine fishes. Marine Biology, 2008, 154, 393-402.	1.5	19
50	Consistent spatial patterns across biogeographic gradients in temperate reef fishes. Ecography, 2008, 31, 84-94.	4.5	19
51	Alternative reproductive strategies and the maintenance of female color polymorphism in damselflies. Ecology and Evolution, 2017, 7, 5592-5602.	1.9	19
52	DNA degradation in fish: Practical solutions and guidelines to improve DNA preservation for genomic research. Ecology and Evolution, 2020, 10, 8643-8651.	1.9	19
53	A role for ecology in male mate discrimination of immigrant females in Calopteryx damselflies?. Biological Journal of the Linnean Society, 2010, 100, 506-518.	1.6	18
54	Genome assembly, sex-biased gene expression and dosage compensation in the damselfly Ischnura elegans. Genomics, 2021, 113, 1828-1837.	2.9	17

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55	Don't Fall Off the Adaptation Cliff: When Asymmetrical Fitness Selects for Suboptimal Traits. PLoS ONE, 2012, 7, e34889.	2.5	12
56	Evaluating new species for aquaculture: A genomic dissection of growth in the New Zealand silver trevally (Pseudocaranx georgianus). Evolutionary Applications, 2022, 15, 591-602.	3.1	12
57	A large chromosomal inversion shapes gene expression in seaweed flies (Coelopa frigida). Evolution Letters, 2021, 5, 607-624.	3.3	11
58	The genome of New Zealand trevally (Carangidae: Pseudocaranx georgianus) uncovers a XY sex determination locus. BMC Genomics, 2021, 22, 785.	2.8	11
59	Genomeâ€wide analysis reveals the genetic stock structure of hoki (Macruronus) Tj ETQq1 1 0.784314 rgBT /Overlock 10 Tf 50 582	3.1	11
60	Body size and ecological diversification in a sister species pair of triplefin fishes. Evolutionary Ecology, 2008, 22, 575-592.	1.2	10
61	Genetic divergence and phenotypic plasticity contribute to variation in cuticular hydrocarbons in the seaweed fly Coelopa frigida. Ecology and Evolution, 2019, 9, 12156-12170.	1.9	10
62	Balancing selection maintains cryptic colour morphs. Molecular Ecology, 2017, 26, 6185-6188.	3.9	9
63	Inversion frequencies and phenotypic effects are modulated by the environment: insights from a reciprocal transplant study in Coelopa frigida. Evolutionary Ecology, 2018, 32, 683-698.	1.2	9
64	Understanding climate change response in the age of genomics. Journal of Animal Ecology, 2022, 91, 1056-1063.	2.8	9
65	Tidal range and recovery from the impacts of mechanical beach grooming. Ocean and Coastal Management, 2018, 154, 66-71.	4.4	8
66	Phylogeographic structure and historical demography of tarakihi (Nemadactylus macropterus) and king tarakihi (Nemadactylus n.sp.) in New Zealand. New Zealand Journal of Marine and Freshwater Research, 2022, 56, 247-271.	2.0	8
67	Genomic Signatures of Domestication Selection in the Australasian Snapper (Chrysophrys auratus). Genes, 2021, 12, 1737.	2.4	8
68	Unraveling the complex genetic basis of growth in New Zealand silver trevally (Pseudocaranx) Tj ETQq0 0 0 rgBT /Overlock 10 Tf 50 2	1.8	8
69	The evolution of habitat specialisation in a group of marine triplefin fishes. Evolutionary Ecology, 2009, 23, 557-568.	1.2	7
70	Isolation and characterization of polymorphic microsatellite loci for the Skyros wall lizard Podarcis gaigeae (Squamata: Lacertidae). Molecular Ecology Resources, 2009, 9, 1005-1008.	4.8	6
71	Male-biased recombination in odonates: insights from a linkage map of the damselfly Ischnura elegans. Journal of Genetics, 2013, 92, 115-119.	0.7	6
72	Fisheries genomics of snapper (Chrysophrys auratus) along the west Australian coast. Evolutionary Applications, 0, , .	3.1	6

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73	Genomic prediction of growth in a commercially, recreationally, and culturally important marine resource, the Australian snapper (Chrysophrys auratus). G3: Genes, Genomes, Genetics, 2022, 12, .	1.8	5
74	Differential expression analyses reveal extensive transcriptional plasticity induced by temperature in New Zealand silver trevally (Pseudocaranx georgianus). Evolutionary Applications, 2022, 15, 237-248.	3.1	5
75	Deep Convolutional Neural Networks for Fish Weight Prediction from Images. , 2021, , .		4
76	The importance of eco-evolutionary dynamics for predicting and managing insect range shifts. Current Opinion in Insect Science, 2022, 52, 100939.	4.4	4
77	Fish as Model Systems to Study Epigenetic Drivers in Human Self-Domestication and Neurodevelopmental Cognitive Disorders. Genes, 2022, 13, 987.	2.4	4
78	Ten polymorphic microsatellite markers for Hieracium s.s. (Asteraceae). Conservation Genetics Resources, 2010, 2, 295-300.	0.8	3
79	From the woods to the halls of science: Louis Bernatchezâ€™s contributions to science, wildlife conservation and people. Evolutionary Applications, 2020, 13, 1105-1116.	3.1	3
80	Description of the growth hormone gene of the Australasian snapper, Chrysophrys auratus , and associated intraâ€•and interspecific genetic variation. Journal of Fish Biology, 2021, 99, 1060-1070.	1.6	3
81	Genomic Stock Structure of the Marine Teleost Tarakihi (Nemadactylus macropterus) Provides Evidence of Potential Fine-Scale Adaptation and a Temperature-Associated Cline Amid Panmixia. Frontiers in Ecology and Evolution, 0, 10, .	2.2	3
82	Predicting hybridisation as a consequence of climate change in damselflies. Insect Conservation and Diversity, 2019, 12, 427-436.	3.0	2
83	The Relative Power of Structural Genomic Variation versus SNPs in Explaining the Quantitative Trait Growth in the Marine Teleost Chrysophrys auratus. Genes, 2022, 13, 1129.	2.4	2
84	Synergistic Integration of Genomics and Ecoevolutionary Dynamics for Sustainable Fisheries: A Reply to Kuparinen and Uusi-HeikkilÃ. Trends in Ecology and Evolution, 2018, 33, 308-310.	8.7	1
85	Multi-disciplinary Lidar Applications. , 2010, , .		0
86	Genomic structural variants involved in local adaptation of the European plaice. Peer Community in Evolutionary Biology, 0, , 100095.	0.0	0
87	An Investigation on Multi-Objective Fish Breeding Program Design. , 2021, , .		0
88	Supergenes promote ecological stasis in a keystone species. Trends in Genetics, 2022, , .	6.7	0