

Thorsten B H Reusch

List of Publications by Year in descending order

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183
papers

14,321
citations

18479

62
h-index

24978

109
g-index

200
all docs

200
docs citations

200
times ranked

12464
citing authors

#	ARTICLE	IF	CITATIONS
1	Ecosystem recovery after climatic extremes enhanced by genotypic diversity. Proceedings of the National Academy of Sciences of the United States of America, 2005, 102, 2826-2831.	7.1	957
2	The genome of the seagrass <i>Zostera marina</i> reveals angiosperm adaptation to the sea. Nature, 2016, 530, 331-335.	27.8	460
3	Adaptive evolution of a key phytoplankton species to ocean acidification. Nature Geoscience, 2012, 5, 346-351.	12.9	442
4	Female sticklebacks count alleles in a strategy of sexual selection explaining MHC polymorphism. Nature, 2001, 414, 300-302.	27.8	438
5	The Baltic Sea as a time machine for the future coastal ocean. Science Advances, 2018, 4, eaar8195.	10.3	339
6	Mate choice decisions of stickleback females predictably modified by MHC peptide ligands. Proceedings of the National Academy of Sciences of the United States of America, 2005, 102, 4414-4418.	7.1	324
7	Evolution in an acidifying ocean. Trends in Ecology and Evolution, 2014, 29, 117-125.	8.7	324
8	Parasite Selection for Immunogenetic Optimality. Science, 2003, 301, 1343-1343.	12.6	318
9	North Atlantic phylogeography and large-scale population differentiation of the seagrass <i>Zostera marina</i> L.. Molecular Ecology, 2004, 13, 1923-1941.	3.9	277
10	Climate change in the oceans: evolutionary versus phenotypically plastic responses of marine animals and plants. Evolutionary Applications, 2014, 7, 104-122.	3.1	276
11	Multiple parasites are driving major histocompatibility complex polymorphism in the wild. Journal of Evolutionary Biology, 2003, 16, 224-232.	1.7	271
12	Molecular ecology of global change. Molecular Ecology, 2007, 16, 3973-3992.	3.9	254
13	Importance of genetic diversity in eelgrass <i>Zostera marina</i> for its resilience to global warming. Marine Ecology - Progress Series, 2008, 355, 1-7.	1.9	250
14	Severe tissue damage in Atlantic cod larvae under increasing ocean acidification. Nature Climate Change, 2012, 2, 42-46.	18.8	231
15	Adaptation of a globally important coccolithophore to ocean warming and acidification. Nature Climate Change, 2014, 4, 1024-1030.	18.8	209
16	Female sticklebacks <i>Gasterosteus aculeatus</i> use self-reference to optimize MHC allele number during mate selection. Behavioral Ecology and Sociobiology, 2003, 54, 119-126.	1.4	208
17	Major histocompatibility complex diversity influences parasite resistance and innate immunity in sticklebacks. Proceedings of the Royal Society B: Biological Sciences, 2004, 271, 197-204.	2.6	194
18	Transcriptomic resilience to global warming in the seagrass <i>Zostera marina</i> , a marine foundation species. Proceedings of the National Academy of Sciences of the United States of America, 2011, 108, 19276-19281.	7.1	184

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19	Microbial contributions to the persistence of coral reefs. <i>ISME Journal</i> , 2017, 11, 2167-2174.	9.8	173
20	A microsatellite-based estimation of clonal diversity and population subdivision in <i>Zostera marina</i> , a marine flowering plant. <i>Molecular Ecology</i> , 2000, 9, 127-140.	3.9	165
21	Contribution of genetics and genomics to seagrass biology and conservation. <i>Journal of Experimental Marine Biology and Ecology</i> , 2007, 350, 234-259.	1.5	165
22	Climate Change Impacts on Seagrass Meadows and Macroalgal Forests: An Integrative Perspective on Acclimation and Adaptation Potential. <i>Frontiers in Marine Science</i> , 2018, 5, .	2.5	149
23	Chlorobiphenyls: Model Compounds for Metabolism in Food Chain Organisms and Their Potential Use as Ecotoxicological Stress Indicators by Application of the Metabolic Slope Concept. <i>Environmental Science & Technology</i> , 1995, 29, 1851-1859.	10.0	145
24	Lifetime reproductive success is maximized with optimal major histocompatibility complex diversity. <i>Proceedings of the Royal Society B: Biological Sciences</i> , 2009, 276, 925-934.	2.6	144
25	Rapid genetic divergence in postglacial populations of threespine stickleback (<i>Gasterosteus</i>) Tj ETQq1 1 0.784314 rgBT /Overlock 10 TF 2435-2445.	3.9	142
26	Comparative analysis of amplicon and metagenomic sequencing methods reveals key features in the evolution of animal metaorganisms. <i>Microbiome</i> , 2019, 7, 133.	11.1	141
27	Genomics of Divergence along a Continuum of Parapatric Population Differentiation. <i>PLoS Genetics</i> , 2015, 11, e1004966.	3.5	135
28	EXPERIMENTAL EVOLUTION MEETS MARINE PHYTOPLANKTON. <i>Evolution; International Journal of Organic Evolution</i> , 2013, 67, 1849-1859.	2.3	122
29	Effects of a simulated heat wave on photophysiology and gene expression of high- and low-latitude populations of <i>Zostera marina</i> . <i>Marine Ecology - Progress Series</i> , 2011, 435, 83-95.	1.9	120
30	How a complex life cycle can improve a parasite's sex life. <i>Journal of Evolutionary Biology</i> , 2005, 18, 1069-1075.	1.7	111
31	Ocean Acidification Effects on Atlantic Cod Larval Survival and Recruitment to the Fished Population. <i>PLoS ONE</i> , 2016, 11, e0155448.	2.5	104
32	Variable responses of native eelgrass <i>Zostera marina</i> to a non-indigenous bivalve <i>Musculista senhousia</i> . <i>Oecologia</i> , 1998, 113, 428-441.	2.0	101
33	Population-specificity of heat stress gene induction in northern and southern eelgrass <i>Zostera marina</i> populations under simulated global warming. <i>Molecular Ecology</i> , 2010, 19, 2870-2883.	3.9	101
34	The blue carbon wealth of nations. <i>Nature Climate Change</i> , 2021, 11, 704-709.	18.8	97
35	Mortality selection during the 2003 European heat wave in three-spined sticklebacks: effects of parasites and MHC genotype. <i>BMC Evolutionary Biology</i> , 2008, 8, 124.	3.2	96
36	Microsatellites reveal high population connectivity in eelgrass (<i>Zostera marina</i>) in two contrasting coastal areas. <i>Limnology and Oceanography</i> , 2002, 47, 78-85.	3.1	95

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37	Microsatellites reveal origin and genetic diversity of Eurasian invasions by one of the world's most notorious marine invader, <i>Mnemiopsis leidyi</i> (Ctenophora). <i>Molecular Ecology</i> , 2010, 19, 2690-2699.	3.9	93
38	Evolution of male pregnancy associated with remodeling of canonical vertebrate immunity in seahorses and pipefishes. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , 2020, 117, 9431-9439.	7.1	93
39	Fitness-consequences of geitonogamous selfing in a clonal marine angiosperm (<i>Zostera marina</i>). <i>Journal of Evolutionary Biology</i> , 2001, 14, 129-138.	1.7	91
40	Does disturbance enhance genotypic diversity in clonal organisms? A field test in the marine angiosperm <i>Zostera marina</i> . <i>Molecular Ecology</i> , 2005, 15, 277-286.	3.9	91
41	Back to the sea twice: identifying candidate plant genes for molecular evolution to marine life. <i>BMC Evolutionary Biology</i> , 2011, 11, 8.	3.2	88
42	Microsatellite loci in eelgrass <i>Zostera marina</i> reveal marked polymorphism within and among populations. <i>Molecular Ecology</i> , 1999, 8, 317-321.	3.9	87
43	Habitat differentiation vs. isolation-by-distance: the genetic population structure of <i>Elymus athericus</i> in European salt marshes. <i>Molecular Ecology</i> , 2003, 12, 505-515.	3.9	87
44	Somatic genetic drift and multilevel selection in a clonal seagrass. <i>Nature Ecology and Evolution</i> , 2020, 4, 952-962.	7.8	86
45	The emerging role of genetic diversity for ecosystem functioning: Estuarine macrophytes as models. <i>Estuaries and Coasts</i> , 2006, 29, 159-164.	2.2	83
46	Two different epigenetic information channels in wild three-spined sticklebacks are involved in salinity adaptation. <i>Science Advances</i> , 2020, 6, eaaz1138.	10.3	83
47	Genome-wide patterns of standing genetic variation in a marine population of three-spined sticklebacks. <i>Molecular Ecology</i> , 2013, 22, 635-649.	3.9	78
48	Is asexual reproduction more important at geographical limits? A genetic study of the seagrass <i>Zostera marina</i> in the Ria Formosa, Portugal. <i>Marine Ecology - Progress Series</i> , 2003, 265, 77-83.	1.9	78
49	Inbreeding depression influences genet size distribution in a marine angiosperm. <i>Molecular Ecology</i> , 2003, 12, 619-629.	3.9	77
50	Inter- and Intralocus Recombination Drive MHC Class IIB Gene Diversification in a Teleost, the Three-Spined Stickleback <i>Gasterosteus aculeatus</i> . <i>Journal of Molecular Evolution</i> , 2005, 61, 531-541.	1.8	77
51	Native predators contribute to invasion resistance to the non-indigenous bivalve <i>Musculista senhousia</i> in southern California, USA. <i>Marine Ecology - Progress Series</i> , 1998, 170, 159-168.	1.9	77
52	Size and estimated age of genets in eelgrass, <i>Zostera marina</i> , assessed with microsatellite markers. <i>Marine Biology</i> , 1999, 133, 519-525.	1.5	75
53	Macrophyte Canopy Structure and the Success of an Invasive Marine Bivalve. <i>Oikos</i> , 1999, 84, 398.	2.7	75
54	One day is enough: rapid and specific host-parasite interactions in a stickleback-trematode system. <i>Biology Letters</i> , 2006, 2, 382-384.	2.3	72

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55	FUNCTIONAL GENETIC DIVERGENCE IN HIGH CO ₂ ADAPTED <i>EMILIANIA HUXLEYI</i> POPULATIONS. <i>Evolution; International Journal of Organic Evolution</i> , 2013, 67, 1892-1900.	2.3	71
56	Floral neighbourhoods in the sea: how floral density, opportunity for outcrossing and population fragmentation affect seed set in <i>Zostera marina</i> . <i>Journal of Ecology</i> , 2003, 91, 610-615.	4.0	70
57	Absence of major histocompatibility complex class II mediated immunity in pipefish, <i>Syngnathus typhle</i> : evidence from deep transcriptome sequencing. <i>Biology Letters</i> , 2013, 9, 20130044.	2.3	70
58	Extensive Copy-Number Variation of Young Genes across Stickleback Populations. <i>PLoS Genetics</i> , 2014, 10, e1004830.	3.5	70
59	Biophysical and Population Genetic Models Predict the Presence of ‘Phantom’ Stepping Stones Connecting Mid-Atlantic Ridge Vent Ecosystems. <i>Current Biology</i> , 2016, 26, 2257-2267.	3.9	69
60	New markers-old questions: population genetics of seagrasses. <i>Marine Ecology - Progress Series</i> , 2001, 211, 261-274.	1.9	69
61	Genome scans detect consistent divergent selection among subtidal vs. intertidal populations of the marine angiosperm <i>Zostera marina</i> . <i>Molecular Ecology</i> , 2007, 16, 5156-5157.	3.9	68
62	Salinity change impairs pipefish immune defence. <i>Fish and Shellfish Immunology</i> , 2012, 33, 1238-1248.	3.6	68
63	Genome-wide transcriptomic responses of the seagrasses <i>Zostera marina</i> and <i>Nanozostera noltii</i> under a simulated heatwave confirm functional types. <i>Marine Genomics</i> , 2014, 15, 65-73.	1.1	68
64	Dispersion patterns of parasites in 0+ year three-spined sticklebacks: a cross population comparison. <i>Journal of Fish Biology</i> , 2002, 60, 1529-1542.	1.6	66
65	Recent duplication and inter-locus gene conversion in major histocompatibility class II genes in a teleost, the three-spined stickleback. <i>Immunogenetics</i> , 2004, 56, 427-37.	2.4	65
66	Widespread genetic mosaicism in the marine angiosperm <i>Zostera marina</i> is correlated with clonal reproduction. <i>Evolutionary Ecology</i> , 2011, 25, 899-913.	1.2	65
67	Identifying core features of adaptive metabolic mechanisms for chronic heat stress attenuation contributing to systems robustness. <i>Integrative Biology (United Kingdom)</i> , 2012, 4, 480.	1.3	65
68	Phylogeographic differentiation versus transcriptomic adaptation to warm temperatures in <i>Zostera marina</i> , a globally important seagrass. <i>Molecular Ecology</i> , 2016, 25, 5396-5411.	3.9	64
69	MHC genes and oxidative stress in sticklebacks: an immuno-ecological approach. <i>Proceedings of the Royal Society B: Biological Sciences</i> , 2006, 273, 1407-1414.	2.6	63
70	Differentiating between clonal growth and limited gene flow using spatial autocorrelation of microsatellites. <i>Heredity</i> , 1999, 83, 120-126.	2.6	62
71	Gene expression changes in the coccolithophore <i>Emiliana huxleyi</i> after 500 generations of selection to ocean acidification. <i>Proceedings of the Royal Society B: Biological Sciences</i> , 2014, 281, 20140003.	2.6	62
72	Swift thermal reaction norm evolution in a key marine phytoplankton species. <i>Evolutionary Applications</i> , 2016, 9, 1156-1164.	3.1	62

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73	Do nutrient availability and plant density limit seagrass colonization in the Baltic Sea?. <i>Marine Ecology - Progress Series</i> , 2000, 200, 159-166.	1.9	59
74	Genetic variation in MHC class II expression and interactions with MHC sequence polymorphism in three-spined sticklebacks. <i>Molecular Ecology</i> , 2006, 15, 1153-1164.	3.9	58
75	Comment on "Phytoplankton Calcification in a High-CO ₂ World". <i>Science</i> , 2008, 322, 1466-1466.	12.6	58
76	Dietary β -glucan (MacroGard®) enhances survival of first feeding turbot (<i>Scophthalmus maximus</i>) larvae by altering immunity, metabolism and microbiota. <i>Fish and Shellfish Immunology</i> , 2016, 48, 94-104.	3.6	58
77	From ecosystems to socio-economic benefits: A systematic review of coastal ecosystem services in the Baltic Sea. <i>Science of the Total Environment</i> , 2021, 755, 142565.	8.0	58
78	Phenotypic plasticity under rapid global changes: The intrinsic force for future seagrasses survival. <i>Evolutionary Applications</i> , 2021, 14, 1181-1201.	3.1	58
79	Long-term dynamics of adaptive evolution in a globally important phytoplankton species to ocean acidification. <i>Science Advances</i> , 2016, 2, e1501660.	10.3	56
80	Genotype-specific responses to light stress in eelgrass <i>Zostera marina</i> , a marine foundation plant. <i>Marine Ecology - Progress Series</i> , 2015, 519, 129-140.	1.9	56
81	Comparative Analysis of Expressed Sequence Tag (EST) Libraries in the Seagrass <i>Zostera marina</i> Subjected to Temperature Stress. <i>Marine Biotechnology</i> , 2008, 10, 297-309.	2.4	55
82	Housekeeping gene selection for quantitative real-time PCR assays in the seagrass <i>Zostera marina</i> subjected to heat stress. <i>Limnology and Oceanography: Methods</i> , 2006, 4, 367-373.	2.0	54
83	Bateman's principle and immunity in a sex-role reversed pipefish. <i>Journal of Evolutionary Biology</i> , 2011, 24, 1410-1420.	1.7	54
84	Ctenophore population recruits entirely through larval reproduction in the central Baltic Sea. <i>Biology Letters</i> , 2012, 8, 809-812.	2.3	53
85	Current European <i>Labyrinthula zosterae</i> Are Not Virulent and Modulate Seagrass (<i>Zostera marina</i>) Defense Gene Expression. <i>PLoS ONE</i> , 2014, 9, e92448.	2.5	53
86	PERSISTENCE AND SPACE OCCUPANCY BY SUBTIDAL BLUE MUSSEL PATCHES. <i>Ecological Monographs</i> , 1997, 67, 65-87.	5.4	52
87	Pollination in the marine realm: microsatellites reveal high outcrossing rates and multiple paternity in eelgrass <i>Zostera marina</i> . <i>Heredity</i> , 2000, 85, 459-464.	2.6	52
88	Male Pregnancy and Biparental Immune Priming. <i>American Naturalist</i> , 2012, 180, 802-814.	2.1	52
89	Local genetic structure in a clonal dioecious angiosperm. <i>Molecular Ecology</i> , 2005, 14, 957-967.	3.9	50
90	Abundant toxin-related genes in the genomes of beneficial symbionts from deep-sea hydrothermal vent mussels. <i>ELife</i> , 2015, 4, e07966.	6.0	50

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91	Differing effects of eelgrass <i>Zostera marina</i> on recruitment and growth of associated blue mussels <i>Mytilus edulis</i> . <i>Marine Ecology - Progress Series</i> , 1998, 167, 149-153.	1.9	50
92	Genetic neighbourhood of clone structures in eelgrass meadows quantified by spatial autocorrelation of microsatellite markers. <i>Heredity</i> , 2003, 91, 448-455.	2.6	49
93	Transcriptome profiling of immune tissues reveals habitat-specific gene expression between lake and river sticklebacks. <i>Molecular Ecology</i> , 2016, 25, 943-958.	3.9	49
94	Parasites and individual major histocompatibility complex diversity – an optimal choice?. <i>Microbes and Infection</i> , 2004, 6, 1110-1116.	1.9	48
95	Permanent Genetic Resources added to Molecular Ecology Resources Database 1 August 2010 – 30 September 2010. <i>Molecular Ecology Resources</i> , 2011, 11, 219-222.	4.8	48
96	Storm effects on eelgrass (<i>Zostera marina</i> L.) and blue mussel (<i>Mytilus edulis</i> L.) beds. <i>Journal of Experimental Marine Biology and Ecology</i> , 1995, 192, 257-271.	1.5	47
97	Genetic analyses reveal complex dynamics within a marine fish management area. <i>Evolutionary Applications</i> , 2019, 12, 830-844.	3.1	46
98	HOSTS ARE AHEAD IN A MARINE HOST-PARASITE COEVOLUTIONARY ARMS RACE: INNATE IMMUNE SYSTEM ADAPTATION IN PIPEFISH SYNGNATHUS TYPHLE AGAINST VIBRIO PHYLOTYPES. <i>Evolution; International Journal of Organic Evolution</i> , 2012, 66, 2528-2539.	2.3	45
99	A summer heat wave decreases the immunocompetence of the mesograzer, <i>Idotea baltica</i> . <i>Marine Biology</i> , 2010, 157, 1605-1611.	1.5	44
100	Quantitative PCR Reveals Strong Spatial and Temporal Variation of the Wasting Disease Pathogen, <i>Labyrinthula zosterae</i> in Northern European Eelgrass (<i>Zostera marina</i>) Beds. <i>PLoS ONE</i> , 2013, 8, e62169.	2.5	44
101	Five microsatellite loci in eelgrass <i>Zostera marina</i> and a test of cross-species amplification in <i>Z. noltii</i> and <i>Z. japonica</i> . <i>Molecular Ecology</i> , 2000, 9, 371-373.	3.9	43
102	Local adaptation and transplant dominance in genets of the marine clonal plant <i>Zostera marina</i> . <i>Marine Ecology - Progress Series</i> , 2002, 242, 111-118.	1.9	40
103	RSCA genotyping of MHC for high-throughput evolutionary studies in the model organism three-spined stickleback <i>Gasterosteus aculeatus</i> . <i>BMC Evolutionary Biology</i> , 2009, 9, 57.	3.2	39
104	Carrying Capacity and Colonization Dynamics of <i>Curvibacter</i> in the Hydra Host Habitat. <i>Frontiers in Microbiology</i> , 2018, 9, 443.	3.5	39
105	Dr. Zompo: an online data repository for <i>Zostera marina</i> and <i>Posidonia oceanica</i> ESTs. <i>Database: the Journal of Biological Databases and Curation</i> , 2009, 2009, bap009-bap009.	3.0	38
106	Isotopic signatures of eelgrass (<i>Zostera marina</i> L.) as bioindicator of anthropogenic nutrient input in the western Baltic Sea. <i>Marine Pollution Bulletin</i> , 2013, 72, 64-70.	5.0	38
107	Ocean current connectivity propelling the secondary spread of a marine invasive comb jelly across western Eurasia. <i>Global Ecology and Biogeography</i> , 2018, 27, 814-827.	5.8	38
108	Host-Microbe Interactions in the Chemosynthetic <i>Riftia pachyptila</i> Symbiosis. <i>MBio</i> , 2019, 10, .	4.1	38

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109	Costly major histocompatibility complex signals produced only by reproductively active males, but not females, must be validated by a "maleness signal"™ in three-spined sticklebacks. <i>Proceedings of the Royal Society B: Biological Sciences</i> , 2010, 277, 391-398.	2.6	37
110	Mating System and Clonal Architecture: A Comparative Study in Two Marine Angiosperms. <i>Evolutionary Ecology</i> , 2005, 19, 487-499.	1.2	36
111	Individual MHC class I and MHC class IIB diversities are associated with male and female reproductive traits in the three-spined stickleback. <i>Journal of Evolutionary Biology</i> , 2007, 20, 2005-2015.	1.7	36
112	Genetic sub-structure and intermediate optimal outcrossing distance in the marine angiosperm <i>Zostera marina</i> . <i>Marine Biology</i> , 2007, 152, 793-801.	1.5	35
113	Innate versus adaptive immunity in sticklebacks: evidence for trade-offs from a selection experiment. <i>Evolutionary Ecology</i> , 2007, 21, 473-483.	1.2	35
114	Population genetics of the invasive ctenophore <i>Mnemiopsis leidyi</i> in Europe reveal source-sink dynamics and secondary dispersal to the Mediterranean Sea. <i>Marine Ecology - Progress Series</i> , 2013, 485, 25-36.	1.9	35
115	Genotyping an <i>Emiliania huxleyi</i> (prymnesiophyceae) bloom event in the North Sea reveals evidence of asexual reproduction. <i>Biogeosciences</i> , 2014, 11, 5215-5234.	3.3	35
116	Between- and within-population variations in thermal reaction norms of the coccolithophore <i>Emiliania huxleyi</i> . <i>Limnology and Oceanography</i> , 2014, 59, 1570-1580.	3.1	35
117	Mapping and modeling eelgrass <i>Zostera marina</i> distribution in the western Baltic Sea. <i>Marine Ecology - Progress Series</i> , 2015, 522, 79-95.	1.9	35
118	New evidence for habitat-specific selection in Wadden Sea <i>Zostera marina</i> populations revealed by genome scanning using SNP and microsatellite markers. <i>Marine Biology</i> , 2010, 157, 81-89.	1.5	34
119	Evolutionary divergence and possible incipient speciation in post-glacial populations of a cosmopolitan aquatic plant. <i>Journal of Evolutionary Biology</i> , 2005, 18, 19-26.	1.7	33
120	Widespread occurrence of endophytic <i>Labyrinthula</i> spp. in northern European eelgrass <i>Zostera marina</i> beds. <i>Marine Ecology - Progress Series</i> , 2012, 445, 109-116.	1.9	33
121	SSCP analysis of Mhc class IIB genes in the threespine stickleback. <i>Journal of Fish Biology</i> , 2001, 58, 887-890.	1.6	31
122	Transgenerational plasticity and selection shape the adaptive potential of sticklebacks to salinity change. <i>Evolutionary Applications</i> , 2018, 11, 1873-1885.	3.1	30
123	Currency, Exchange, and Inheritance in the Evolution of Symbiosis. <i>Trends in Microbiology</i> , 2019, 27, 836-849.	7.7	29
124	Deep-sea predator niche segregation revealed by combined cetacean biologging and eDNA analysis of cephalopod prey. <i>Science Advances</i> , 2021, 7, .	10.3	29
125	Seagrass Evolution, Ecology and Conservation: A Genetic Perspective. , 2007, , 25-50.		29
126	A comparative population genetic study on calanoid freshwater copepods: Investigation of isolation-by-distance in two <i>Eudiaptomus</i> species with a different potential for dispersal. <i>Limnology and Oceanography</i> , 2006, 51, 117-124.	3.1	28

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127	Consistent Pattern of Local Adaptation during an Experimental Heat Wave in a Pipefish-Trematode Host-Parasite System. <i>PLoS ONE</i> , 2012, 7, e30658.	2.5	28
128	Divergent responses of Atlantic cod to ocean acidification and food limitation. <i>Global Change Biology</i> , 2019, 25, 839-849.	9.5	28
129	Inter- and intraspecific phenotypic plasticity of three phytoplankton species in response to ocean acidification. <i>Biology Letters</i> , 2017, 13, 20160774.	2.3	27
130	InÂvitro leukocyte response of three-spined sticklebacks (<i>Gasterosteus aculeatus</i>) to helminth parasite antigens. <i>Fish and Shellfish Immunology</i> , 2014, 36, 130-140.	3.6	26
131	It is the economy, stupid! Projecting the fate of fish populations using ecologicalâ€œeconomic modeling. <i>Global Change Biology</i> , 2016, 22, 264-270.	9.5	26
132	Rapid evolution of highly variable competitive abilities in a key phytoplankton species. <i>Nature Ecology and Evolution</i> , 2018, 2, 611-613.	7.8	26
133	Ecological-economic sustainability of the Baltic cod fisheries under ocean warming and acidification. <i>Journal of Environmental Management</i> , 2019, 238, 110-118.	7.8	26
134	Improved chromosome-level genome assembly and annotation of the seagrass, <i>Zostera marina</i> (eelgrass). <i>F1000Research</i> , 2021, 10, 289.	1.6	26
135	Characterization of microsatellite loci in the dwarf eelgrass <i>Zostera noltii</i> (<i>Zosteraceae</i>) and cross-reactivity with <i>Z. japonica</i> . <i>Molecular Ecology Notes</i> , 2004, 4, 497-499.	1.7	25
136	Modulation of the Eelgrass â€œ <i>Labyrinthula zosterae</i> Interaction Under Predicted Ocean Warming, Salinity Change and Light Limitation. <i>Frontiers in Marine Science</i> , 2019, 6, .	2.5	25
137	The Native Microbiome is Crucial for Offspring Generation and Fitness of <i>Aurelia aurita</i> . <i>MBio</i> , 2020, 11, .	4.1	25
138	Evolution via somatic genetic variation in modular species. <i>Trends in Ecology and Evolution</i> , 2021, 36, 1083-1092.	8.7	25
139	Assessing SNP-markers to study population mixing and ecological adaptation in Baltic cod. <i>PLoS ONE</i> , 2019, 14, e0218127.	2.5	24
140	Specific Gene Expression Responses to Parasite Genotypes Reveal Redundancy of Innate Immunity in Vertebrates. <i>PLoS ONE</i> , 2014, 9, e108001.	2.5	23
141	Genetic diversity and evolution in eukaryotic phytoplankton: revelations from population genetic studies. <i>Journal of Plankton Research</i> , 0, , .	1.8	23
142	Isolation and characterization of microsatellite loci from the tapeworm <i>Schistocephalus solidus</i> . <i>Molecular Ecology</i> , 2000, 9, 1926-1927.	3.9	22
143	Sibling species or poecilogony in the polychaete <i>Scoloplos armiger</i> ?. <i>Marine Biology</i> , 2003, 142, 937-947.	1.5	22
144	Polymorphic microsatellite loci for the trematode <i>Diplostomum pseudospathaceum</i> . <i>Molecular Ecology Notes</i> , 2004, 4, 577-579.	1.7	22

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147	Effects of dietary purified rapeseed protein concentrate on hepatic gene expression in juvenile turbot (<i>Psetta maxima</i>). <i>Aquaculture Nutrition</i> , 2016, 22, 170-180.	2.7	21
148	Formation and mosaicity of coccolith segment calcite of the marine algae <i>Emiliania huxleyi</i> . <i>Journal of Phycology</i> , 2018, 54, 85-104.	2.3	21
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152	Identification and characterization of 14 polymorphic EST-derived microsatellites in eelgrass (<i>Zostera</i>). <i>Overlook 10</i>	1.7	17
153	Effects of parental acclimation and energy limitation in response to high CO ₂ exposure in Atlantic cod. <i>Scientific Reports</i> , 2018, 8, 8348.	3.3	17
154	Salinity tolerance in <i>Daphnia magna</i> : characteristics of genotypes hatching from mixed sediments. <i>Oecologia</i> , 2005, 143, 509-516.	2.0	16
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165	Immunity comes first: The effect of parasite genotypes on adaptive immunity and immunization in three-spined sticklebacks. <i>Developmental and Comparative Immunology</i> , 2016, 54, 137-144.	2.3	12
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176	Small effective population sizes in two planktonic freshwater copepod species (<i>Eudiaptomus</i>) with apparently large census sizes. <i>Journal of Evolutionary Biology</i> , 2008, 21, 1755-1762.	1.7	8
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182	Identification and characterization of 10 microsatellite primers for the calanoid freshwater copepods <i>Eudiaptomus gracilis</i> and <i>E. graciloides</i> using enriched genomic libraries. <i>Molecular Ecology Notes</i> , 2004, 4, 355-357.	1.7	4
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