

Luc De Meester

List of Publications by Year in descending order

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356
papers

25,156
citations

8181

76
h-index

10445

139
g-index

369
all docs

369
docs citations

369
times ranked

22411
citing authors

#	ARTICLE	IF	CITATIONS
1	The broad footprint of climate change from genes to biomes to people. <i>Science</i> , 2016, 354, .	12.6	883
2	Determinants of community structure in the global plankton interactome. <i>Science</i> , 2015, 348, 1262073.	12.6	842
3	The Monopolization Hypothesis and the dispersalâ€“gene flow paradox in aquatic organisms. <i>Acta Oecologica</i> , 2002, 23, 121-135.	1.1	674
4	Warmer climates boost cyanobacterial dominance in shallow lakes. <i>Global Change Biology</i> , 2012, 18, 118-126.	9.5	663
5	Allied attack: climate change and eutrophication. <i>Inland Waters</i> , 2011, 1, 101-105.	2.2	548
6	Hostâ€“parasite â€“Red Queenâ€“ dynamics archived in pond sediment. <i>Nature</i> , 2007, 450, 870-873.	27.8	537
7	Body size and dispersal mode as key traits determining metacommunity structure of aquatic organisms. <i>Ecology Letters</i> , 2012, 15, 740-747.	6.4	532
8	Genomics and the challenging translation into conservation practice. <i>Trends in Ecology and Evolution</i> , 2015, 30, 78-87.	8.7	469
9	Egg banks in freshwater zooplankton: evolutionary and ecological archives in the sediment. <i>Hydrobiologia</i> , 2003, 491, 65-84.	2.0	460
10	Drivers of population genetic differentiation in the wild: isolation by dispersal limitation, isolation by adaptation and isolation by colonization. <i>Molecular Ecology</i> , 2013, 22, 5983-5999.	3.9	398
11	The power of species sorting: Local factors drive bacterial community composition over a wide range of spatial scales. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , 2007, 104, 20404-20409.	7.1	395
12	Rapid, local adaptation of zooplankton behavior to changes in predation pressure in the absence of neutral genetic changes. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , 2001, 98, 6256-6260.	7.1	373
13	Impacts of climate warming on lake fish community structure and potential effects on ecosystem function. <i>Hydrobiologia</i> , 2010, 646, 73-90.	2.0	371
14	Ponds and pools as model systems in conservation biology, ecology and evolutionary biology. <i>Aquatic Conservation: Marine and Freshwater Ecosystems</i> , 2005, 15, 715-725.	2.0	352
15	ZOOPLANKTON METACOMMUNITY STRUCTURE: REGIONAL VS. LOCAL PROCESSES IN HIGHLY INTERCONNECTED PONDS. <i>Ecology</i> , 2003, 84, 991-1000.	3.2	330
16	Small habitat size and isolation can promote species richness: second-order effects on biodiversity in shallow lakes and ponds. <i>Oikos</i> , 2006, 112, 227-231.	2.7	320
17	Linking genes to communities and ecosystems: <i>Daphnia</i> as an ecogenomic model. <i>Proceedings of the Royal Society B: Biological Sciences</i> , 2012, 279, 1873-1882.	2.6	282
18	Predatorâ€“Mediated Plasticity in Morphology, Life History, and Behavior of <i>Daphnia</i> : The Uncoupling of Responses. <i>American Naturalist</i> , 1998, 152, 237-248.	2.1	277

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19	The evolutionary ecology of metacommunities. <i>Trends in Ecology and Evolution</i> , 2008, 23, 311-317.	8.7	253
20	Synergistic, antagonistic and additive effects of multiple stressors: predation threat, parasitism and pesticide exposure in <i>Daphnia magna</i> . <i>Journal of Applied Ecology</i> , 2008, 45, 1820-1828.	4.0	240
21	Rapid evolution of thermal tolerance in the water flea <i>Daphnia</i> . <i>Nature Climate Change</i> , 2015, 5, 665-668.	18.8	230
22	Ecological characteristics of small farmland ponds: Associations with land use practices at multiple spatial scales. <i>Biological Conservation</i> , 2006, 131, 523-532.	4.1	227
23	Dispersal Ability Determines the Role of Environmental, Spatial and Temporal Drivers of Metacommunity Structure. <i>PLoS ONE</i> , 2014, 9, e111227.	2.5	226
24	Set ambitious goals for biodiversity and sustainability. <i>Science</i> , 2020, 370, 411-413.	12.6	225
25	Evolving Perspectives on Monopolization and Priority Effects. <i>Trends in Ecology and Evolution</i> , 2016, 31, 136-146.	8.7	213
26	Frequency of antibiotic application drives rapid evolutionary adaptation of <i>Escherichia coli</i> persistence. <i>Nature Microbiology</i> , 2016, 1, 16020.	13.3	210
27	Ecosystem tipping points in an evolving world. <i>Nature Ecology and Evolution</i> , 2019, 3, 355-362.	7.8	203
28	MULTI-GROUP BIODIVERSITY IN SHALLOW LAKES ALONG GRADIENTS OF PHOSPHORUS AND WATER PLANT COVER. <i>Ecology</i> , 2005, 86, 1905-1915.	3.2	198
29	Functional ecology and palaeolimnology: using cladoceran remains to reconstruct anthropogenic impact. <i>Trends in Ecology and Evolution</i> , 2001, 16, 191-198.	8.7	196
30	Body-size shifts in aquatic and terrestrial urban communities. <i>Nature</i> , 2018, 558, 113-116.	27.8	196
31	A process-based metacommunity framework linking local and regional scale community ecology. <i>Ecology Letters</i> , 2020, 23, 1314-1329.	6.4	193
32	Genotype, Fish-Mediated Chemical, and Phototactic Behavior in <i>Daphnia Magna</i> . <i>Ecology</i> , 1993, 74, 1467-1474.	3.2	173
33	Urbanization drives cross-taxon declines in abundance and diversity at multiple spatial scales. <i>Global Change Biology</i> , 2020, 26, 1196-1211.	9.5	167
34	Local genetic differentiation and adaptation in freshwater zooplankton populations: Patterns and processes. <i>Ecoscience</i> , 1996, 3, 385-399.	1.4	166
35	The Fungal Aroma Gene ATF1 Promotes Dispersal of Yeast Cells through Insect Vectors. <i>Cell Reports</i> , 2014, 9, 425-432.	6.4	163
36	Evolutionary and plastic responses of freshwater invertebrates to climate change: realized patterns and future potential. <i>Evolutionary Applications</i> , 2014, 7, 42-55.	3.1	161

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37	METACOMMUNITY STRUCTURE: SYNERGY OF BIOTIC INTERACTIONS AS SELECTIVE AGENTS AND DISPERSAL AS FUEL. <i>Ecology</i> , 2004, 85, 114-119.	3.2	157
38	Community monopolization: local adaptation enhances priority effects in an evolving metacommunity. <i>Proceedings of the Royal Society B: Biological Sciences</i> , 2009, 276, 4129-4138.	2.6	157
39	Alternative antipredator defences and genetic polymorphism in a pelagic predator-prey system. <i>Nature</i> , 1995, 378, 483-485.	27.8	153
40	HIGH DISPERSAL CAPACITY OF CLADOCERAN ZOOPLANKTON IN NEWLY FOUNDED COMMUNITIES. <i>Ecology</i> , 2005, 86, 353-359.	3.2	152
41	Characterization of bacterial communities in four freshwater lakes differing in nutrient load and food web structure. <i>FEMS Microbiology Ecology</i> , 2005, 53, 205-220.	2.7	150
42	Under niche construction: an operational bridge between ecology, evolution, and ecosystem science. <i>Ecological Monographs</i> , 2014, 84, 245-263.	5.4	148
43	In deep trouble: Habitat selection constrained by multiple enemies in zooplankton. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , 2002, 99, 5481-5485.	7.1	146
44	Comparing Adaptive Radiations Across Space, Time, and Taxa. <i>Journal of Heredity</i> , 2020, 111, 1-20.	2.4	146
45	Effects of dietary arabinoxylan-oligosaccharides (AXOS) and endogenous probiotics on the growth performance, non-specific immunity and gut microbiota of juvenile Siberian sturgeon (<i>Acipenser baerii</i>). <i>Fish and Shellfish Immunology</i> , 2013, 35, 766-775.	3.6	145
46	Relationship between Bacterial Community Composition and Bottom-Up versus Top-Down Variables in Four Eutrophic Shallow Lakes. <i>Applied and Environmental Microbiology</i> , 2002, 68, 4740-4750.	3.1	143
47	Effects of dispersal and environmental heterogeneity on the replacement and nestedness components of β -diversity. <i>Ecology</i> , 2017, 98, 525-533.	3.2	143
48	The heat is on: Genetic adaptation to urbanization mediated by thermal tolerance and body size. <i>Global Change Biology</i> , 2017, 23, 5218-5227.	9.5	141
49	Hatching of cladoceran resting eggs: temperature and photoperiod. <i>Freshwater Biology</i> , 2005, 50, 96-104.	2.4	140
50	Contrasting bacterioplankton community composition and seasonal dynamics in two neighbouring hypertrophic freshwater lakes. <i>Environmental Microbiology</i> , 2001, 3, 680-690.	3.8	128
51	Development of a multimetric index based on benthic macroinvertebrates for the assessment of natural wetlands in Southwest Ethiopia. <i>Ecological Indicators</i> , 2013, 29, 510-521.	6.3	128
52	Invasion of an asexual American water flea clone throughout Africa and rapid displacement of a native sibling species. <i>Proceedings of the Royal Society B: Biological Sciences</i> , 2006, 273, 2839-2844.	2.6	127
53	Climatic control of dispersal-ecological specialization tradeoffs: a metacommunity process at the heart of the latitudinal diversity gradient?. <i>Global Ecology and Biogeography</i> , 2010, 19, 244-252.	5.8	126
54	Evolutionary changes in plant reproductive traits following habitat fragmentation and their consequences for population fitness. <i>Journal of Ecology</i> , 2012, 100, 76-87.	4.0	126

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55	Geographical and genetic distances among zooplankton populations in a set of interconnected ponds: a plea for using GIS modelling of the effective geographical distance. <i>Molecular Ecology</i> , 2001, 10, 1929-1938.	3.9	125
56	The evolutionary time machine: using dormant propagules to forecast how populations can adapt to changing environments. <i>Trends in Ecology and Evolution</i> , 2013, 28, 274-282.	8.7	123
57	Resurrecting complexity: the interplay of plasticity and rapid evolution in the multiple trait response to strong changes in predation pressure in the water flea <i>Daphnia magna</i> . <i>Ecology Letters</i> , 2016, 19, 180-190.	6.4	115
58	Urbanization drives community shifts towards thermophilic and dispersive species at local and landscape scales. <i>Global Change Biology</i> , 2017, 23, 2554-2564.	9.5	114
59	Host-genotype dependent gut microbiota drives zooplankton tolerance to toxic cyanobacteria. <i>Nature Communications</i> , 2017, 8, 1608.	12.8	113
60	PLANKTON BIODIVERSITY ALONG A GRADIENT OF PRODUCTIVITY AND ITS MEDIATION BY MACROPHYTES. <i>Ecology</i> , 2007, 88, 2199-2210.	3.2	112
61	Title is missing!. <i>Hydrobiologia</i> , 2001, 442, 117-126.	2.0	110
62	A crucial step toward realism: responses to climate change from an evolving metacommunity perspective. <i>Evolutionary Applications</i> , 2012, 5, 154-167.	3.1	106
63	Lack of Phylogeographic Structure in the Freshwater Cyanobacterium <i>Microcystis aeruginosa</i> Suggests Global Dispersal. <i>PLoS ONE</i> , 2011, 6, e19561.	2.5	106
64	Zooplankton community structure and environmental conditions in a set of interconnected ponds. <i>Hydrobiologia</i> , 2001, 442, 339-350.	2.0	104
65	Environmental stress and local adaptation in <i>Daphnia magna</i> . <i>Limnology and Oceanography</i> , 1999, 44, 393-402.	3.1	102
66	Land use, genetic diversity and toxicant tolerance in natural populations of <i>Daphnia magna</i> . <i>Aquatic Toxicology</i> , 2009, 95, 71-79.	4.0	98
67	Phylogeography of <i>Daphnia magna</i> in Europe. <i>Molecular Ecology</i> , 2005, 14, 753-764.	3.9	97
68	Genomic signature of natural and anthropogenic stress in wild populations of the waterflea <i>Daphnia magna</i> : validation in space, time and experimental evolution. <i>Molecular Ecology</i> , 2012, 21, 2160-2175.	3.9	97
69	Evolutionary ecotoxicology of pesticide resistance: a case study in <i>Daphnia</i> . <i>Ecotoxicology</i> , 2011, 20, 543-551.	2.4	96
70	A global agenda for advancing freshwater biodiversity research. <i>Ecology Letters</i> , 2022, 25, 255-263.	6.4	95
71	Ecological implications of parasites in natural <i>Daphnia</i> populations. <i>Oecologia</i> , 2005, 144, 382-390.	2.0	93
72	Coping with predator stress: interclonal differences in induction of heat-shock proteins in the water flea <i>Daphnia magna</i> . <i>Journal of Evolutionary Biology</i> , 2005, 18, 867-872.	1.7	92

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73	Predation and priority effects in experimental zooplankton communities. <i>Oikos</i> , 2007, 116, 419-426.	2.7	91
74	<i>Daphnia magna</i> transcriptome by RNA-Seq across 12 environmental stressors. <i>Scientific Data</i> , 2016, 3, 160030.	5.3	89
75	Socio-eco-evolutionary dynamics in cities. <i>Evolutionary Applications</i> , 2021, 14, 248-267.	3.1	86
76	EXTINCTION, RECOLONIZATION, AND DISPERSAL THROUGH TIME IN A PLANKTONIC CRUSTACEAN. <i>Ecology</i> , 2007, 88, 3032-3043.	3.2	84
77	Connectivity and cladoceran species richness in a metacommunity of shallow lakes. <i>Freshwater Biology</i> , 2003, 48, 823-832.	2.4	81
78	POPULATION DYNAMICS DETERMINE GENETIC ADAPTATION TO TEMPERATURE IN <i>DAPHNIA</i> . <i>Evolution; International Journal of Organic Evolution</i> , 2009, 63, 1867-1878.	2.3	81
79	Rapid local adaptation mediates zooplankton community assembly in experimental mesocosms. <i>Ecology Letters</i> , 2015, 18, 992-1000.	6.4	81
80	Analysing eco-evolutionary dynamics – The challenging complexity of the real world. <i>Functional Ecology</i> , 2019, 33, 43-59.	3.6	80
81	Local adaptation of a bacterium is as important as its presence in structuring a natural microbial community. <i>Nature Communications</i> , 2016, 7, 12453.	12.8	79
82	Evolution at two time frames: Polymorphisms from an ancient singular divergence event fuel contemporary parallel evolution. <i>PLoS Genetics</i> , 2018, 14, e1007796.	3.5	77
83	METACOMMUNITY STRUCTURE OF POND MACROINVERTEBRATES: EFFECTS OF DISPERSAL MODE AND GENERATION TIME. <i>Ecology</i> , 2007, 88, 1687-1695.	3.2	75
84	Genotype × genotype interactions between the toxic cyanobacterium <i>Microcystis</i> and its grazer, the waterflea <i>Daphnia</i> . <i>Evolutionary Applications</i> , 2012, 5, 168-182.	3.1	74
85	The role of selection in driving landscape genomic structure of the waterflea <i>Daphnia magna</i> . <i>Molecular Ecology</i> , 2013, 22, 583-601.	3.9	74
86	Taxonomic, functional and phylogenetic metacommunity ecology of cladoceran zooplankton along urbanization gradients. <i>Ecography</i> , 2018, 41, 183-194.	4.5	73
87	Pesticide exposure strongly enhances parasite virulence in an invertebrate host model. <i>Oikos</i> , 2008, 117, 1840-1846.	2.7	72
88	Use of ehippial morphology to assess richness of anomopods: potentials and pitfalls. <i>Journal of Limnology</i> , 2004, 63, 75.	1.1	71
89	Dispersal-mediated trophic interactions can generate apparent patterns of dispersal limitation in aquatic metacommunities. <i>Ecology Letters</i> , 2012, 15, 218-226.	6.4	70
90	Temporary pools are not 'enemy-free'. <i>Hydrobiologia</i> , 2002, 486, 147-159.	2.0	69

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91	EVIDENCE FOR STRONG HOST CLONE-PARASITE SPECIES INTERACTIONS IN THE DAPHNIA MICROPARASITE SYSTEM. <i>Evolution; International Journal of Organic Evolution</i> , 2003, 57, 784-792.	2.3	69
92	Genetic structure of cyclic parthenogenetic zooplankton populations – a conceptual framework. <i>Archiv für Hydrobiologie</i> , 2006, 167, 217-244.	1.1	69
93	A cryptic invasion within an invasion and widespread introgression in the European water frog complex: consequences of uncontrolled commercial trade and weak international legislation. <i>Molecular Ecology</i> , 2008, 17, 5023-5035.	3.9	68
94	Local genetic adaptation generates latitude-specific effects of warming on predator-prey interactions. <i>Global Change Biology</i> , 2013, 19, 689-696.	9.5	67
95	Environmental rather than spatial factors structure bacterioplankton communities in shallow lakes along a >6000 km latitudinal gradient in North America. <i>Environmental Microbiology</i> , 2015, 17, 2336-2351.	3.8	67
96	Title is missing!. , 1997, 360, 135-142.		66
97	Local adaptation to higher temperatures reduces immigration success of genotypes from a warmer region in the water flea <i>Daphnia</i> . <i>Global Change Biology</i> , 2009, 15, 3046-3055.	9.5	66
98	Cyclical Parthenogenesis in <i>Daphnia</i> : Sexual Versus Asexual Reproduction. , 2009, , 295-316.		66
99	Analysis of environmental factors determining the abundance and diversity of macroinvertebrate taxa in natural wetlands of Southwest Ethiopia. <i>Ecological Informatics</i> , 2012, 7, 52-61.	5.2	66
100	Adaptive and non-adaptive divergence in a common landscape. <i>Nature Communications</i> , 2017, 8, 267.	12.8	66
101	Contribution of cyclic parthenogenesis and colonization history to population structure in <i>Daphnia</i> . <i>Molecular Ecology</i> , 2009, 18, 1616-1628.	3.9	65
102	Urban hot-tubs: Local urbanization has profound effects on average and extreme temperatures in ponds. <i>Landscape and Urban Planning</i> , 2018, 176, 22-29.	7.5	65
103	Hatching of <i>Daphnia</i> asexual eggs. I. Intraspecific differences in the hatching responses of <i>D. magna</i> eggs. <i>Freshwater Biology</i> , 1993, 30, 219-226.	2.4	64
104	COLLATERAL DAMAGE: RAPID EXPOSURE-INDUCED EVOLUTION OF PESTICIDE RESISTANCE LEADS TO INCREASED SUSCEPTIBILITY TO PARASITES. <i>Evolution; International Journal of Organic Evolution</i> , 2011, 65, 2681-2691.	2.3	61
105	Eco-evolutionary partitioning metrics: assessing the importance of ecological and evolutionary contributions to population and community change. <i>Ecology Letters</i> , 2016, 19, 839-853.	6.4	61
106	Comment to Oksanen (2001): reconciling Oksanen (2001) and Hurlbert (1984). <i>Oikos</i> , 2003, 100, 394-396.	2.7	60
107	Inbreeding and outbreeding depression in <i>Daphnia</i> . <i>Oecologia</i> , 1993, 96, 80-84.	2.0	59
108	EVOLUTIONARY POTENTIAL AND LOCAL GENETIC DIFFERENTIATION IN A PHENOTYPICALLY PLASTIC TRAIT OF A CYCLICAL PARTHENOGEN, <i>DAPHNIA MAGNA</i> . <i>Evolution; International Journal of Organic Evolution</i> , 1996, 50, 1293-1298.	2.3	59

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109	A comparative analysis of cladoceran communities from different water body types: patterns in community composition and diversity. <i>Hydrobiologia</i> , 2008, 597, 19-27.	2.0	57
110	How to Maximally Support Local and Regional Biodiversity in Applied Conservation? Insights from Pond Management. <i>PLoS ONE</i> , 2013, 8, e72538.	2.5	57
111	City life on fast lanes: Urbanization induces an evolutionary shift towards a faster lifestyle in the water flea <i>Daphnia</i> . <i>Functional Ecology</i> , 2018, 32, 2225-2240.	3.6	57
112	Experimental thermal microevolution in community-embedded <i>Daphnia</i> populations. <i>Climate Research</i> , 2010, 43, 81-89.	1.1	57
113	Uncovering hidden species: hatching diapausing eggs for the analysis of cladoceran species richness. <i>Limnology and Oceanography: Methods</i> , 2005, 3, 399-407.	2.0	56
114	Water turbidity affects predator-prey interactions in a fish-damselfly system. <i>Oecologia</i> , 2005, 144, 327-336.	2.0	56
115	Genetic adaptation as a biological buffer against climate change: Potential and limitations. <i>Integrative Zoology</i> , 2018, 13, 372-391.	2.6	56
116	Adaptive microevolutionary responses to simulated global warming in <i>Simocephalus vetulus</i> : a mesocosm study. <i>Global Change Biology</i> , 2007, 13, 878-886.	9.5	55
117	The genetic legacy of polyploid Bolivian <i>Daphnia</i> : the tropical Andes as a source for the North and South American <i>D. pulicaria</i> complex. <i>Molecular Ecology</i> , 2008, 17, 1789-1800.	3.9	55
118	Influence of nutrients, submerged macrophytes and zooplankton grazing on phytoplankton biomass and diversity along a latitudinal gradient in Europe. <i>Hydrobiologia</i> , 2010, 653, 79-90.	2.0	55
119	Local and regional founder effects in lake zooplankton persist after thousands of years despite high dispersal potential. <i>Molecular Ecology</i> , 2014, 23, 1014-1027.	3.9	55
120	Evolutionary origins for ecological patterns in space. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , 2020, 117, 17482-17490.	7.1	55
121	Depth selection behavior, fish kairomones, and the life histories of <i>Daphnia hyalina</i> – <i>galeata</i> hybrid clones. <i>Limnology and Oceanography</i> , 1999, 44, 1248-1258.	3.1	54
122	The first-generation <i>Daphnia magna</i> linkage map. <i>BMC Genomics</i> , 2010, 11, 508.	2.8	54
123	An analysis of the phototactic behaviour of <i>Daphnia magna</i> clones and their sexual descendants. <i>Hydrobiologia</i> , 1991, 225, 217-227.	2.0	53
124	Age and size of European saltmarshes and the population genetic consequences for ground beetles. <i>Oecologia</i> , 1998, 114, 503-513.	2.0	53
125	Global cytosine methylation in <i>Daphnia magna</i> depends on genotype, environment, and their interaction. <i>Environmental Toxicology and Chemistry</i> , 2015, 34, 1056-1061.	4.3	53
126	Haunted by the past: Evidence for dormant stage banks of microparasites and epibionts of <i>Daphnia</i> . <i>Limnology and Oceanography</i> , 2004, 49, 1355-1364.	3.1	52

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127	Genetic composition of resident populations influences establishment success of immigrant species. <i>Oecologia</i> , 2007, 153, 431-440.	2.0	52
128	Eco-evolutionary dynamics in urbanized landscapes: evolution, species sorting and the change in zooplankton body size along urbanization gradients. <i>Philosophical Transactions of the Royal Society B: Biological Sciences</i> , 2017, 372, 20160030.	4.0	52
129	Enhanced anti-predator defence in the presence of food stress in the water flea <i>Daphnia magna</i> . <i>Functional Ecology</i> , 2010, 24, 322-329.	3.6	51
130	Dormant propagule banks integrate spatio-temporal heterogeneity in cladoceran communities. <i>Oecologia</i> , 2005, 142, 109-116.	2.0	50
131	An SNP-based second-generation genetic map of <i>Daphnia magna</i> and its application to QTL analysis of phenotypic traits. <i>BMC Genomics</i> , 2014, 15, 1033.	2.8	49
132	Zooplankton grazing selectivity regulates herbivory and dominance of toxic phytoplankton over multiple prey generations. <i>Limnology and Oceanography</i> , 2019, 64, 1214-1227.	3.1	49
133	Evidence for local adaptation in neighbouring <i>Daphnia</i> populations: a laboratory transplant experiment. <i>Freshwater Biology</i> , 2001, 46, 187-198.	2.4	48
134	Physico-chemical and biological characterization of anopheline mosquito larval habitats (Diptera: Tj ETQq0 0 0 rgBT /Overlock 10 Tf 50	2.5	48
135	Life histories and habitat selection in <i>Daphnia</i> : divergent life histories of <i>D. magna</i> clones differing in phototactic behaviour. <i>Oecologia</i> , 1994, 97, 333-341.	2.0	47
136	Cryptic invasion and dispersal of an American <i>Daphnia</i> in East Africa. <i>Limnology and Oceanography</i> , 2005, 50, 1278-1283.	3.1	46
137	Priority effects and species sorting in a long paleoecological record of repeated community assembly through time. <i>Ecology</i> , 2011, 92, 2267-2275.	3.2	46
138	Disentangling the effect of body size and phylogenetic distances on zooplankton top-down control of algae. <i>Proceedings of the Royal Society B: Biological Sciences</i> , 2016, 283, 20160487.	2.6	46
139	Community assembly is a race between immigration and adaptation: eco-evolutionary interactions across spatial scales. <i>Ecography</i> , 2016, 39, 858-870.	4.5	46
140	Evolutionary Potential and Local Genetic Differentiation in a Phenotypically Plastic Trait of a Cyclical Parthenogen, <i>Daphnia magna</i> . <i>Evolution; International Journal of Organic Evolution</i> , 1996, 50, 1293.	2.3	45
141	Clonal erosion and genetic drift in cyclical parthenogens – the interplay between neutral and selective processes. <i>Journal of Evolutionary Biology</i> , 2010, 23, 997-1012.	1.7	45
142	Direct and indirect measures of dispersal in the fairy shrimp <i>Branchipodopsis wolffi</i> indicate a small scale isolation-by-distance pattern. <i>Limnology and Oceanography</i> , 2007, 52, 676-684.	3.1	44
143	Limnological and ecological characteristics of tropical highland reservoirs in Tigray, Northern Ethiopia. <i>Hydrobiologia</i> , 2008, 610, 193-209.	2.0	44
144	Food level and sex shape predator-induced physiological stress: immune defence and antioxidant defence. <i>Oecologia</i> , 2009, 161, 461-467.	2.0	44

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145	Regional structuring of genetic variation in short-lived rock pool populations of <i>Branchipodopsis wolffi</i> (Crustacea: Anostraca). <i>Oecologia</i> , 2000, 123, 506-515.	2.0	43
146	<i>Daphnia</i> community analysis in shallow Kenyan lakes and ponds using dormant eggs in surface sediments. <i>Freshwater Biology</i> , 2006, 51, 399-411.	2.4	43
147	Survival selection on escape performance and its underlying phenotypic traits: a case of many-to-one mapping. <i>Journal of Evolutionary Biology</i> , 2009, 22, 1172-1182.	1.7	43
148	Permanent Genetic Resources added to Molecular Ecology Resources Database 1 October 2010-30 November 2010. <i>Molecular Ecology Resources</i> , 2011, 11, 418-421.	4.8	43
149	The influence of balanced and imbalanced resource supply on biodiversity-functioning relationship across ecosystems. <i>Philosophical Transactions of the Royal Society B: Biological Sciences</i> , 2016, 371, 20150283.	4.0	43
150	Consumer-resource dynamics is an eco-evolutionary process in a natural plankton community. <i>Nature Ecology and Evolution</i> , 2019, 3, 1351-1358.	7.8	43
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