Luc De Meester

List of Publications by Year
in descending order

354	25,156	9428 76	11946 139
papers	citations	h-index	g-index

369	369	369	25027
all docs	docs citations	times ranked	citing authors

#	Article	IF	Citations
1	Bacterioplankton Assembly Along a Eutrophication Gradient Is Mainly Structured by Environmental Filtering, Including Indirect Effects of Phytoplankton Composition. Microbial Ecology, 2023, 85, 400-410.	1.4	1
2	Cryptic ecoâ€evolutionary feedback in the city: Urban evolution of prey dampens the effect of urban evolution of the predator. Journal of Animal Ecology, 2022, 91, 514-526.	1.3	10
3	The internal structure of metacommunities. Oikos, 2022, 2022, .	1.2	32
4	Hostâ€“parasite dynamics shaped by temperature and genotype: Quantifying the role of underlying vital rates. Functional Ecology, 2022, 36, 485-499.	1.7	3
5	A global agenda for advancing freshwater biodiversity research. Ecology Letters, 2022, 25, 255-263.	3.0	95
6	Feedback between climate change and eutrophication: revisiting the allied attack concept and how to strike back. Inland Waters, 2022, 12, 187-204.	1.1	41
7	Accounting for temporal change in multiple biodiversity patterns improves the inference of metacommunity processes. Ecology, 2022, 103, e3683.	1.5	17
8	Plankton Diversity in Tropical Wetlands Under Different Hydrological Conditions (Lake Tana,) Tj ETQq0 0 0 rgBT /Overlock 10 Tf 50 462	1.5	6
9	Scared to evolve? Non-consumptive effects drive rapid adaptive evolution in a natural prey population. Proceedings of the Royal Society B: Biological Sciences, 2022, 289, 20220188.	1.2	3
10	Quantifying ecoâ€evolutionary contributions to trait divergence in spatially structured systems. Ecological Monographs, 2022, 92, .	2.4	4
11	Evolution of pesticide tolerance and associated changes in the microbiome in the water flea Daphnia magna. Ecotoxicology and Environmental Safety, 2022, 240, 113697.	2.9	6
12	Socioâ€ecoâ€evolutionary dynamics in cities. Evolutionary Applications, 2021, 14, 248-267.	1.5	86
13	Resurrecting the metabolome: Rapid evolution magnifies the metabolomic plasticity to predation in a natural Daphnia population. Molecular Ecology, 2021, 30, 2285-2297.	2.0	6
14	Ideas and perspectives: Biogeochemistry â€“ some key foci for the future. Biogeosciences, 2021, 18, 3005-3013.	1.3	8
15	Extensive standing genetic variation from a small number of founders enables rapid adaptation in Daphnia. Nature Communications, 2021, 12, 4306.	5.8	27
16	Integrating fundamental processes to understand ecoâ€evolutionary community dynamics and patterns. Functional Ecology, 2021, 35, 2138-2155.	1.7	11
17	Adaptive Evolution Can Both Prevent Ecosystem Collapse and Delay Ecosystem Recovery. American Naturalist, 2021, 198, E185-E197.	1.0	9
18	Measuring the contribution of evolution to community trait structure in freshwater zooplankton. Oikos, 2021, 130, 1773.	1.2	5

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19	Transient Eco-Evolutionary Dynamics and the Window of Opportunity for Establishment of Immigrants. American Naturalist, 2021, 198, E95-E110.	1.0	1
20	Eco-Evolutionary Dynamics in Freshwater Systems. , 2021, , .		2
21	Interspecific differences, plastic, and evolutionary responses to a heat wave in three coâ€occurring Daphnia species. Limnology and Oceanography, 2021, 66, 1201-1220.	1.6	9
22	Differential local genetic adaptation to pesticide use in organic and conventional agriculture in an aquatic non-target species. Proceedings of the Royal Society B: Biological Sciences, 2021, 288, 20211903.	1.2	9
23	The Relative Importance of Human Disturbance, Environmental and Spatial Factors on the Community Composition of Wetland Birds. Water (Switzerland), 2021, 13, 3448.	1.2	4
24	Urbanization drives crossâ€taxon declines in abundance and diversity at multiple spatial scales. Global Change Biology, 2020, 26, 1196-1211.	4.2	167
25	Set ambitious goals for biodiversity and sustainability. Science, 2020, 370, 411-413.	6.0	225
26	The bacterioplankton community composition and a host genotype dependent occurrence of taxa shape the Daphnia magna gut bacterial community. FEMS Microbiology Ecology, 2020, 96, .	1.3	29
27	A processâ€based metacommunity framework linking local and regional scale community ecology. Ecology Letters, 2020, 23, 1314-1329.	3.0	193
28	Food nutrient availability affects epibiont prevalence and richness in natural Daphnia populations. Limnology and Oceanography, 2020, 65, 2529-2540.	1.6	2
29	Sediment and Nutrient Retention Capacity of Natural Riverine Wetlands in Southwest Ethiopia. Frontiers in Environmental Science, 2020, 8, .	1.5	7
30	Evolutionary origins for ecological patterns in space. Proceedings of the National Academy of Sciences of the United States of America, 2020, 117, 17482-17490.	3.3	55
31	Key management rules for agricultural alpine newt breeding ponds based on habitat suitability models. Global Ecology and Conservation, 2020, 23, e01086.	1.0	5
32	Effects of thermal evolution on the stoichiometric responses to nano-ZnO under warming are not general: insights from experimental evolution. Ecotoxicology, 2020, 29, 175-184.	1.1	3
33	Comparing Adaptive Radiations Across Space, Time, and Taxa. Journal of Heredity, 2020, 111, 1-20.	1.0	146
34	Diet and Genotype of an Aquatic Invertebrate Affect the Composition of Free-Living Microbial Communities. Frontiers in Microbiology, 2020, 11, 380.	1.5	32
35	Terrestrial Locomotor Evolution in Urban Environments. , 2020, , 197-216.		7
36	Why are Lake Abaya and Lake Chamo so different? A limnological comparison of two neighboring major Ethiopian Rift Valley lakes. Hydrobiologia, 2019, 829, 113-124.	1.0	13

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37	Consumer-resource dynamics is an eco-evolutionary process in a natural plankton community. Nature Ecology and Evolution, 2019, 3, 1351-1358.	3.4	43
38	Rapid evolution in response to warming does not affect the toxicity of a pollutant: Insights from experimental evolution in heated mesocosms. Evolutionary Applications, 2019, 12, 977-988.	1.5	10
39	The power of numbers: dynamics of hatching and dormant egg production in two populations of the water flea Daphnia magna. Aquatic Ecology, 2019, 53, 393-406.	0.7	4
40	Freshwater Bacterioplankton Metacommunity Structure Along Urbanization Gradients in Belgium. Frontiers in Microbiology, 2019, 10, 743.	1.5	17
41	Ecosystem tipping points in an evolving world. Nature Ecology and Evolution, 2019, 3, 355-362.	3.4	203
42	Analysing ecoâ€evolutionary dynamicsâ€"The challenging complexity of the real world. Functional Ecology, 2019, 33, 43-59.	1.7	80
43	The genetic architecture underlying diapause termination in a planktonic crustacean. Molecular Ecology, 2019, 28, 998-1008.	2.0	21
44	Regional neutrality evolves through local adaptive niche evolution. Proceedings of the National Academy of Sciences of the United States of America, 2019, 116, 2612-2617.	3.3	41
45	Zooplankton grazing selectivity regulates herbivory and dominance of toxic phytoplankton over multiple prey generations. Limnology and Oceanography, 2019, 64, 1214-1227.	1.6	49
46	Urban hot-tubs: Local urbanization has profound effects on average and extreme temperatures in ponds. Landscape and Urban Planning, 2018, 176, 22-29.	3.4	65
47	A comparative hierarchical analysis of bacterioplankton and biofilm metacommunity structure in an interconnected pond system. Environmental Microbiology, 2018, 20, 1271-1282.	1.8	3
48	Inoculation history affects community composition in experimental freshwater bacterioplankton communities. Environmental Microbiology, 2018, 20, 1120-1133.	1.8	14
49	Changes in bacterioplankton community structure during early lake ontogeny resulting from the retreat of the Greenland Ice Sheet. ISME Journal, 2018, 12, 544-555.	4.4	16
50	Thermal evolution offsets the elevated toxicity of a contaminant under warming: A resurrection study in Daphnia magna. Evolutionary Applications, 2018, 11, 1425-1436.	1.5	19
51	Acute and chronic effects of exposure to the juvenile hormone analog fenoxycarb during sexual reproduction in Daphnia magna. Ecotoxicology, 2018, 27, 627-634.	1.1	11
52	Compositional and functional consequences of environmental change in Belgian farmland ponds. Freshwater Biology, 2018, 63, 581-596.	1.2	10
53	Bottom-Up Effects on Biomass Versus Top-Down Effects on Identity: A Multiple-Lake Fish Community Manipulation Experiment. Ecosystems, 2018, 21, 166-177.	1.6	31
54	Taxonomic, functional and phylogenetic metacommunity ecology of cladoceran zooplankton along urbanization gradients. Ecography, 2018, 41, 183-194.	2.1	73

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55	Early transcriptional response pathways in Daphnia magna are coordinated in networks of crustaceanâ€specific genes. Molecular Ecology, 2018, 27, 886-897.	2.0	38
56	Founder effects determine the genetic structure of the water flea Daphnia in Ethiopian reservoirs. Limnology and Oceanography, 2018, 63, 915-926.	1.6	11
57	Genetic adaptation as a biological buffer against climate change: Potential and limitations. Integrative Zoology, 2018, 13, 372-391.	1.3	56
58	Rapid evolution leads to differential population dynamics and topâ€down control in resurrected Daphnia populations. Evolutionary Applications, 2018, 11, 96-111.	1.5	15
59	Evolution at two time frames: Polymorphisms from an ancient singular divergence event fuel contemporary parallel evolution. PLoS Genetics, 2018, 14, e1007796.	1.5	77
60	Predictability of the impact of multiple stressors on the keystone species Daphnia. Scientific Reports, 2018, 8, 17572.	1.6	32
61	Body-size shifts in aquatic and terrestrial urban communities. Nature, 2018, 558, 113-116.	13.7	196
62	Stoichiometric responses to nano ZnO under warming are modified by thermal evolution in Daphnia magna. Aquatic Toxicology, 2018, 202, 90-96.	1.9	6
63	City life on fast lanes: Urbanization induces an evolutionary shift towards a faster lifestyle in the water flea Daphnia. Functional Ecology, 2018, 32, 2225-2240.	1.7	57
64	Urbanization drives genetic differentiation in physiology and structures the evolution of pace-of-life syndromes in the water flea Daphnia magna. Proceedings of the Royal Society B: Biological Sciences, 2018, 285, 20180169.	1.2	31
65	Integrating trait and phylogenetic distances to assess scaleâ€dependent community assembly processes. Ecography, 2017, 40, 742-752.	2.1	38
66	Thermal tolerance in the keystone species Daphnia magnaâ€”a candidate gene and an outlier analysis approach. Molecular Ecology, 2017, 26, 2291-2305.	2.0	28
67	Intraâ€and interspecific niche variation as reconstructed from stable isotopes in two ecologically different Ethiopian Rift Valley lakes. Functional Ecology, 2017, 31, 1482-1492.	1.7	11
68	Differential effects of dominant and subordinate plant species on the establishment success of target species in a grassland restoration experiment. Applied Vegetation Science, 2017, 20, 363-375.	0.9	6
69	Eco-evolutionary dynamics in urbanized landscapes: evolution, species sorting and the change in zooplankton body size along urbanization gradients. Philosophical Transactions of the Royal Society B: Biological Sciences, 2017, 372, 20160030.	1.8	52
70	The heat is on: Genetic adaptation to urbanization mediated by thermal tolerance and body size. Global Change Biology, 2017, 23, 5218-5227.	4.2	141
71	Urbanization drives community shifts towards thermophilic and dispersive species at local and landscape scales. Global Change Biology, 2017, 23, 2554-2564.	4.2	114
72	Adaptive and non-adaptive divergence in a common landscape. Nature Communications, 2017, 8, 267.	5.8	66

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73	Host-genotype dependent gut microbiota drives zooplankton tolerance to toxic cyanobacteria. Nature Communications, 2017, 8, 1608.	5.8	113
74	A call to action: strong long-term limnological changes in the two largest Ethiopian Rift Valley lakes, Abaya and Chamo. Inland Waters, 2017, 7, 129-137.	1.1	17
75	Effects of dispersal and environmental heterogeneity on the replacement and nestedness components of Î²â€diversity. Ecology, 2017, 98, 525-533.	1.5	143
76	Conserved Transcription Factors Steer Growth-Related Genomic Programs in Daphnia. Genome Biology and Evolution, 2017, 9, 1821-1842.	1.1	13
77	Rapid evolution of antioxidant defence in a natural population of Daphnia magna. Journal of Evolutionary Biology, 2016, 29, 1328-1337.	0.8	13
78	Ecoâ€evolutionary partitioning metrics: assessing the importance of ecological and evolutionary contributions to population and community change. Ecology Letters, 2016, 19, 839-853.	3.0	61
79	Can underwater refuges protect fish populations against cormorant predation? Evidence from a largeâ€scale multiple pond experiment. Fisheries Management and Ecology, 2016, 23, 89-98.	1.0	8
80	Resurrecting complexity: the interplay of plasticity and rapid evolution in the multiple trait response to strong changes in predation pressure in the water flea Daphnia magna. Ecology Letters, 2016, 19, 180-190.	3.0	115
81	Characterization of genome-wide SNPs for the water flea Daphnia pulicaria generated by genotyping-by-sequencing (GBS). Scientific Reports, 2016, 6, 28569.	1.6	14
82	Disentangling the effect of body size and phylogenetic distances on zooplankton top-down control of algae. Proceedings of the Royal Society B: Biological Sciences, 2016, 283, 20160487.	1.2	46
83	The influence of balanced and imbalanced resource supply on biodiversityâ€“functioning relationship across ecosystems. Philosophical Transactions of the Royal Society B: Biological Sciences, 2016, 371, 20150283.	1.8	43
84	Environment not dispersal limitation drives clonal composition of Arctic Daphnia in a recently deglaciated area. Molecular Ecology, 2016, 25, 5830-5842.	2.0	17
85	Assessing hatching rates and the timing of hatching from plankton resting stages-an accurate and cost effective high throughput approach. Limnology and Oceanography: Methods, 2016, 14, 718-724.	1.0	2
86	Effects of adding an arbuscular mycorrhizal fungi inoculum and of distance to donor sites on plant species recolonization following topsoil removal. Applied Vegetation Science, 2016, 19, 7-19.	0.9	38
87	Frequency of antibiotic application drives rapid evolutionary adaptation of Escherichia coli persistence. Nature Microbiology, 2016, 1, 16020.	5.9	210
88	Temporal genetic stability in natural populations of the waterflea <scp>D</scp>aphnia magna in response to strong selection pressure. Molecular Ecology, 2016, 25, 6024-6038.	2.0	35
89	Daphnia magna transcriptome by RNA-Seq across 12 environmental stressors. Scientific Data, 2016, 3, 160030.	2.4	89
90	The broad footprint of climate change from genes to biomes to people. Science, 2016, 354, .	6.0	883

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91	Local adaptation of a bacterium is as important as its presence in structuring a natural microbial community. Nature Communications, 2016, 7, 12453.	5.8	79
92	Colonization history and clonal richness of asexual Daphnia in periglacial habitats of contrasting age in West Greenland. Journal of Animal Ecology, 2016, 85, 1108-1117.	1.3	9
93	Energy storage and fecundity explain deviations from ecological stoichiometry predictions under global warming and sizeâ€selective predation. Journal of Animal Ecology, 2016, 85, 1431-1441.	1.3	39
94	Community assembly is a race between immigration and adaptation: ecoâ€evolutionary interactions across spatial scales. Ecography, 2016, 39, 858-870.	2.1	46
95	Evolving Perspectives on Monopolization and Priority Effects. Trends in Ecology and Evolution, 2016, 31, 136-146.	4.2	213
96	Reply to Garner et al.. Trends in Ecology and Evolution, 2016, 31, 83-84.	4.2	24
97	Inbreeding and adaptive plasticity: an experimental analysis on predatorâ€induced responses in the water flea Daphnia. Ecology and Evolution, 2015, 5, 2712-2721.	0.8	5
98	Experimental evolution reveals high insecticide tolerance in Daphnia inhabiting farmland ponds. Evolutionary Applications, 2015, 8, 442-453.	1.5	27
99	Genotypic diversity and differentiation among populations of two benthic freshwater diatoms as revealed by microsatellites. Molecular Ecology, 2015, 24, 4433-4448.	2.0	16
100	Rapid local adaptation mediates zooplankton community assembly in experimental mesocosms. Ecology Letters, 2015, 18, 992-1000.	3.0	81
101	Suppression of invasive topmouth gudgeon Pseudorasbora parva by native pike Esox lucius in ponds. Aquatic Conservation: Marine and Freshwater Ecosystems, 2015, 25, 41-48.	0.9	15
102	The Impact of Conservation Management on the Community Composition of Multiple Organism Groups in Eutrophic Interconnected Man-Made Ponds. PLoS ONE, 2015, 10, e0139371.	1.1	9
103	Determinants of community structure in the global plankton interactome. Science, 2015, 348, 1262073.	6.0	842
104	Parasite and nutrient enrichment effects on Daphnia interspecific competition. Ecology, 2015, 96, 1421-1430.	1.5	18
105	Environmental rather than spatial factors structure bacterioplankton communities in shallow lakes along a >â€‰6000â€‰km latitudinal gradient in <scp>S</scp>outh <scp>A</scp>merica. Environmental Microbiology, 2015, 17, 2336-2351.	1.8	67
106	Timing matters: Sensitivity of Daphnia magna dormant eggs to fenoxycarb exposure depends on embryonic developmental stage. Aquatic Toxicology, 2015, 159, 176-183.	1.9	23
107	Fitness tradeâ€offs explain low levels of persister cells in the opportunistic pathogen PseudomonasÂaeruginosa. Molecular Ecology, 2015, 24, 1572-1583.	2.0	38
108	Evolution of carbaryl resistance in the water flea Daphnia: complex interactions between inbreeding, stress, and selection. Hydrobiologia, 2015, 743, 199-209.	1.0	3

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109	A comparative analysis of the fatty acid composition of sexual and asexual eggs ofDaphnia magnaand its plasticity as a function of food quality. Journal of Plankton Research, 2015, 37, 752-763.	0.8	19
110	Global cytosine methylation in Daphnia magna depends on genotype, environment, and their interaction. Environmental Toxicology and Chemistry, 2015, 34, 1056-1061.	2.2	53
111	Rapid Adaptation of a Daphnia magna Population to Metal Stress Is Associated with Heterozygote Excess. Environmental Science & Technology, 2015, 49, 9298-9307.	4.6	38
112	Rapid evolution of thermal tolerance in the waterÂflea Daphnia. Nature Climate Change, 2015, 5, 665-668.	8.1	230
113	Antibody-modified iron oxide nanoparticles for efficient magnetic isolation and flow cytometric determination of L. pneumophila. Mikrochimica Acta, 2015, 182, 1439-1446.	2.5	14
114	Genomics and the challenging translation into conservation practice. Trends in Ecology and Evolution, 2015, 30, 78-87.	4.2	469
115	Partitioning the variation in African vertebrate distributions into environmental and spatial components â€“ exploring the link between ecology and biogeography. Ecography, 2015, 38, 450-461.	2.1	14
116	The importance of environmental variables for submerged macrophyte community assemblage and coverage in shallow lakes: differences between northern and southern Europe. Hydrobiologia, 2015, 744, 49-61.	1.0	21
117	Fitness differences and persistent founder effects determine the clonal composition during population buildâ€up in Daphnia. Oikos, 2015, 124, 620-628.	1.2	4
118	Eco-evolutionary dynamics in freshwater systems. Journal of Limnology, 2014, 73, .	0.3	10
119	Dispersal Ability Determines the Role of Environmental, Spatial and Temporal Drivers of Metacommunity Structure. PLoS ONE, 2014, 9, e111227.	1.1	226
120	Strong effects of occasional drying on subsequent water clarity and cyanobacterial blooms in cool tropical reservoirs. Freshwater Biology, 2014, 59, 870-884.	1.2	18
121	Evolutionary and plastic responses of freshwater invertebrates to climate change: realized patterns and future potential. Evolutionary Applications, 2014, 7, 42-55.	1.5	161
122	An experimental analysis of species sorting and mass effects in freshwater bacterioplankton. Freshwater Biology, 2014, 59, 2081-2095.	1.2	24
123	An SNP-based second-generation genetic map of Daphnia magna and its application to QTL analysis of phenotypic traits. BMC Genomics, 2014, 15, 1033.	1.2	49
124	Colonization of Daphnia magna in a newly created pond: founder effects and secondary immigrants. Hydrobiologia, 2014, 723, 167-179.	1.0	22
125	Salinity and depth as structuring factors of cryptic divergence in Moina brachiata (Crustacea:) Tj ETQq1 1 0.784314 rgBT /Overlock 1	0.4	20
126	An evolutionary perspective on the resistance of <scp>D</scp>aphnia to the epizoic rotifer <scp>B</scp>rachionus rubens. Freshwater Biology, 2014, 59, 1247-1256.	1.2	9

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127	Local and regional founder effects in lake zooplankton persist after thousands of years despite high dispersal potential. Molecular Ecology, 2014, 23, 1014-1027.	2.0	55
128	Under niche construction: an operational bridge between ecology, evolution, and ecosystem science. Ecological Monographs, 2014, 84, 245-263.	2.4	148
129	Effect of land use on pollution status and risk of fish endocrine disruption in small farmland ponds. Hydrobiologia, 2014, 723, 103-120.	1.0	4
130	A gene with major phenotypic effects as a target for selection vs. homogenizing gene flow. Molecular Ecology, 2014, 23, 162-181.	2.0	33
131	The Fungal Aroma Gene ATF1 Promotes Dispersal of Yeast Cells through Insect Vectors. Cell Reports, 2014, 9, 425-432.	2.9	163
132	An ecosystem service approach to support integrated pond management: A case study using Bayesian belief networks â€“ Highlighting opportunities and risks. Journal of Environmental Management, 2014, 145, 79-87.	3.8	42
133	Biodiversity only makes sense in the light of evolution. Journal of Biosciences, 2014, 39, 333-337.	0.5	9
134	Development of a multimetric index based on benthic macroinvertebrates for the assessment of natural wetlands in Southwest Ethiopia. Ecological Indicators, 2013, 29, 510-521.	2.6	128
135	Pesticide exposure impacts not only hatching of dormant eggs, but also hatchling survival and performance in the water flea Daphnia magna. Ecotoxicology, 2013, 22, 803-814.	1.1	41
136	Planktonic ciliate community structure in shallow lakes of lowland Western Europe. European Journal of Protistology, 2013, 49, 538-551.	0.5	15
137	Gene expression profiling of three different stressors in the water flea Daphnia magna. Ecotoxicology, 2013, 22, 900-914.	1.1	21
138	The initial tolerance to sub-lethal Cd exposure is the same among ten naÃ¯ve pond populations of Daphnia magna, but their micro-evolutionary potential to develop resistance is very different. Aquatic Toxicology, 2013, 144-145, 322-331.	1.9	20
139	Drivers of population genetic differentiation in the wild: isolation by dispersal limitation, isolation by adaptation and isolation by colonization. Molecular Ecology, 2013, 22, 5983-5999.	2.0	398
140	Effects of dietary arabinoxylan-oligosaccharides (AXOS) and endogenous probiotics on the growth performance, non-specific immunity and gut microbiota of juvenile Siberian sturgeon (AcipenserÂbaerii). Fish and Shellfish Immunology, 2013, 35, 766-775.	1.6	145
141	Constitutive but no Triops-induced differences in bet-hedging strategies for hatching in Daphnia. Hydrobiologia, 2013, 715, 29-35.	1.0	10
142	Physico-chemical and biological characterization of anopheline mosquito larval habitats (Diptera:) Tj ETQq0 0 0 rgBT /Overlock 10 Tf 50	1.0	48
143	The evolutionary time machine: using dormant propagules to forecast how populations can adapt to changing environments. Trends in Ecology and Evolution, 2013, 28, 274-282.	4.2	123
144	The role of selection in driving landscape genomic structure of the waterflea Daphnia magna. Molecular Ecology, 2013, 22, 583-601.	2.0	74

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145	Interactive effects of a bacterial parasite and the insecticide carbaryl to life-history and physiology of two Daphnia magna clones differing in carbaryl sensitivity. Aquatic Toxicology, 2013, 130-131, 149-159.	1.9	29
146	Pesticides Removal by Filtration over Cactus Pear Leaves: A Cheap and Natural Method for Smallâ€Scale Water Purification in Semiâ€Arid Regions. Clean - Soil, Air, Water, 2013, 41, 235-243.	0.7	11
147	Local genetic adaptation generates latitudeâ€specific effects of warming on predatorâ€“prey interactions. Global Change Biology, 2013, 19, 689-696.	4.2	67
148	The ecology of the riverine Garra species (Teleostei, Cypriniformes) in reservoirs of the semi-arid highlands of northern Ethiopia: temporal dynamics of feeding activity. Inland Waters, 2013, 3, 331-340.	1.1	3
149	How to Maximally Support Local and Regional Biodiversity in Applied Conservation? Insights from Pond Management. PLoS ONE, 2013, 8, e72538.	1.1	57
150	Linking genes to communities and ecosystems: Daphnia as an ecogenomic model. Proceedings of the Royal Society B: Biological Sciences, 2012, 279, 1873-1882.	1.2	282
151	Functional divergence of gene duplicates through ectopic recombination. EMBO Reports, 2012, 13, 1145-1151.	2.0	32
152	Evidence against the use of surrogates for biomonitoring of Neotropical floodplains. Freshwater Biology, 2012, 57, 2411-2423.	1.2	36
153	Analysis of the microbial community structure in a membrane bioreactor during initial stages of filtration. Biofouling, 2012, 28, 225-238.	0.8	27
154	Cladoceran community composition in tropical semi-arid highland reservoirs in Tigray (Northern) Tj ETQq0 0 0 rgBT /Overlock 10 Tf 50 3	0.7	17
155	Analysis of environmental factors determining the abundance and diversity of macroinvertebrate taxa in natural wetlands of Southwest Ethiopia. Ecological Informatics, 2012, 7, 52-61.	2.3	66
156	Combined exposure to parasite and pesticide causes increased mortality in the water flea Daphnia. Aquatic Ecology, 2012, 46, 261-268.	0.7	10
157	Evolutionary changes in plant reproductive traits following habitat fragmentation and their consequences for population fitness. Journal of Ecology, 2012, 100, 76-87.	1.9	126
158	Warmer climates boost cyanobacterial dominance in shallow lakes. Global Change Biology, 2012, 18, 118-126.	4.2	663
159	A crucial step toward realism: responses to climate change from an evolving metacommunity perspective. Evolutionary Applications, 2012, 5, 154-167.	1.5	106
160	Genotypeâ€ƒÃ—â€ƒgenotype interactions between the toxic cyanobacterium Microcystis and its grazer, the waterflea Daphnia. Evolutionary Applications, 2012, 5, 168-182.	1.5	74
161	Genomic signature of natural and anthropogenic stress in wild populations of the waterflea Daphnia magna: validation in space, time and experimental evolution. Molecular Ecology, 2012, 21, 2160-2175.	2.0	97
162	Dispersalâ€mediated trophic interactions can generate apparent patterns of dispersal limitation in aquatic metacommunities. Ecology Letters, 2012, 15, 218-226.	3.0	70

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163	Body size and dispersal mode as key traits determining metacommunity structure of aquatic organisms. Ecology Letters, 2012, 15, 740-747.	3.0	532
164	Single nucleotide polymorphism discovery from expressed sequence tags in the waterflea Daphnia magna. BMC Genomics, 2011, 12, 309.	1.2	18
165	Priority effects and species sorting in a long paleoecological record of repeated community assembly through time. Ecology, 2011, 92, 2267-2275.	1.5	46
166	Permanent Genetic Resources added to Molecular Ecology Resources Database 1 October 2010-30 November 2010. Molecular Ecology Resources, 2011, 11, 418-421.	2.2	43
167	Fitness and virulence of a bacterial endoparasite in an environmentally stressed crustacean host. Parasitology, 2011, 138, 122-131.	0.7	29
168	Allied attack: climate change and eutrophication. Inland Waters, 2011, 1, 101-105.	1.1	548
169	The interplay of past and current stress exposure on the water flea Daphnia. Functional Ecology, 2011, 25, 974-982.	1.7	25
170	COLLATERAL DAMAGE: RAPID EXPOSURE-INDUCED EVOLUTION OF PESTICIDE RESISTANCE LEADS TO INCREASED SUSCEPTIBILITY TO PARASITES. Evolution; International Journal of Organic Evolution, 2011, 65, 2681-2691.	1.1	61
171	Challenges for biodiversity research in Europe. Procedia, Social and Behavioral Sciences, 2011, 13, 83-100.	0.5	8
172	Evolutionary ecotoxicology of pesticide resistance: a case study in Daphnia. Ecotoxicology, 2011, 20, 543-551.	1.1	96
173	Genetic diversity of Microcystis blooms (Cyanobacteria) in recently constructed reservoirs in Tigray (Northern Ethiopia) assessed by rDNA ITS. Aquatic Ecology, 2011, 45, 289-306.	0.7	11
174	Phenoloxidase but not lytic activity reflects resistance against Pasteuria ramosa in Daphnia magna. Biology Letters, 2011, 7, 156-159.	1.0	21
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