

Caroline Souffreau

List of Publications by Year in descending order

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Version: 2024-02-01

30
papers

2,595
citations

304602

22
h-index

454834

30
g-index

30
all docs

30
docs citations

30
times ranked

4390
citing authors

#	ARTICLE	IF	CITATIONS
1	Determinants of community structure in the global plankton interactome. <i>Science</i> , 2015, 348, 1262073.	6.0	842
2	Body-size shifts in aquatic and terrestrial urban communities. <i>Nature</i> , 2018, 558, 113-116.	13.7	196
3	The importance of dispersal related and local factors in shaping the taxonomic structure of diatom metacommunities. <i>Oikos</i> , 2009, 118, 1239-1249.	1.2	167
4	Urbanization drives cross-taxon declines in abundance and diversity at multiple spatial scales. <i>Global Change Biology</i> , 2020, 26, 1196-1211.	4.2	167
5	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.	1.6	145
6	Tolerance of benthic diatoms from temperate aquatic and terrestrial habitats to experimental desiccation and temperature stress. <i>Phycologia</i> , 2010, 49, 309-324.	0.6	100
7	Effects of arabinoxylan-oligosaccharides (AXOS) on juvenile Siberian sturgeon (<i>Acipenser baerii</i>) performance, immune responses and gastrointestinal microbial community. <i>Fish and Shellfish Immunology</i> , 2012, 33, 718-724.	1.6	89
8	Molecular Evidence for Distinct Antarctic Lineages in the Cosmopolitan Terrestrial Diatoms <i>Pinnularia borealis</i> and <i>Hantzschia amphioxys</i> . <i>Protist</i> , 2013, 164, 101-115.	0.6	83
9	Prebiotic effects of arabinoxylan oligosaccharides on juvenile Siberian sturgeon (<i>Acipenser baerii</i>). <i>Microbiology Ecology</i> , 2013, 86, 357-371.	1.3	80
10	Analysing eco-evolutionary dynamics: The challenging complexity of the real world. <i>Functional Ecology</i> , 2019, 33, 43-59.	1.7	80
11	Taxonomic, functional and phylogenetic metacommunity ecology of cladoceran zooplankton along urbanization gradients. <i>Ecography</i> , 2018, 41, 183-194.	2.1	73
12	Tolerance of resting cells of freshwater and terrestrial benthic diatoms to experimental desiccation and freezing is habitat-dependent. <i>Phycologia</i> , 2013, 52, 246-255.	0.6	71
13	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.	1.8	67
14	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.	3.4	65
15	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.	1.8	52
16	A time-calibrated multi-gene phylogeny of the diatom genus <i>Pinnularia</i> . <i>Molecular Phylogenetics and Evolution</i> , 2011, 61, 866-879.	1.2	45
17	Study of biofilms on PVDF membranes after chemical cleaning by sodium hypochlorite. <i>Separation and Purification Technology</i> , 2015, 141, 314-321.	3.9	43
18	Integrating trait and phylogenetic distances to assess scale-dependent community assembly processes. <i>Ecography</i> , 2017, 40, 742-752.	2.1	38

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19	<i>In vitro</i>selection and characterization of putative probiotics isolated from the gut of<i>Acipenser baerii</i>(Brandt, 1869). Aquaculture Research, 2014, 45, 341-352.	0.9	35
20	Analysis of the microbial community structure in a membrane bioreactor during initial stages of filtration. Biofouling, 2012, 28, 225-238.	0.8	27
21	Chemical limnology in coastal East Antarctic lakes: monitoring future climate change in centres of endemism and biodiversity. Antarctic Science, 2012, 24, 23-33.	0.5	27
22	Priority effects in experimental populations of the cyanobacterium <i>Microcystis</i>. Environmental Microbiology, 2009, 11, 2564-2573.	1.8	26
23	An experimental analysis of species sorting and mass effects in freshwater bacterioplankton. Freshwater Biology, 2014, 59, 2081-2095.	1.2	24
24	Freshwater Bacterioplankton Metacommunity Structure Along Urbanization Gradients in Belgium. Frontiers in Microbiology, 2019, 10, 743.	1.5	17
25	A polyphasic approach to the delimitation of diatom species: a case study for the genus <i>Pinnularia</i> (Bacillariophyta). Journal of Phycology, 2019, 55, 365-379.	1.0	15
26	Inoculation history affects community composition in experimental freshwater bacterioplankton communities. Environmental Microbiology, 2018, 20, 1120-1133.	1.8	14
27	A comparative hierarchical analysis of bacterioplankton and biofilm metacommunity structure in an interconnected pond system. Environmental Microbiology, 2018, 20, 1271-1282.	1.8	3
28	Food nutrient availability affects epibiont prevalence and richness in natural Daphnia populations. Limnology and Oceanography, 2020, 65, 2529-2540.	1.6	2
29	Draft Genome Sequences of Five <i>Carnobacterium</i> sp. Strains Isolated from Freshwater Ponds in Belgium. Microbiology Resource Announcements, 2020, 9, .	0.3	1
30	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