

Caroline Souffreau

List of Publications by Citations

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Version: 2024-04-26

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The third column is the impact factor (IF) of the journal, and the fourth column is the number of citations of the article.

29
papers

1,752
citations

22
h-index

30
g-index

30
ext. papers

2,266
ext. citations

6.9
avg, IF

4.15
L-index

#	Paper	IF	Citations
29	Ocean plankton. Determinants of community structure in the global plankton interactome. <i>Science</i> , 2015 , 348, 1262073	33.3	496
28	The importance of dispersal related and local factors in shaping the taxonomic structure of diatom metacommunities. <i>Oikos</i> , 2009 , 118, 1239-1249	4	148
27	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, 766-75	4.3	118
26	Body-size shifts in aquatic and terrestrial urban communities. <i>Nature</i> , 2018 , 558, 113-116	50.4	107
25	Tolerance of benthic diatoms from temperate aquatic and terrestrial habitats to experimental desiccation and temperature stress. <i>Phycologia</i> , 2010 , 49, 309-324	2.7	83
24	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, 718-24	4.3	73
23	Urbanization drives cross-taxon declines in abundance and diversity at multiple spatial scales. <i>Global Change Biology</i> , 2020 , 26, 1196-1211	11.4	72
22	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, 101-15	2.5	69
21	Prebiotic effects of arabinoxylan oligosaccharides on juvenile Siberian sturgeon (<i>Acipenser baerii</i>) with emphasis on the modulation of the gut microbiota using 454 pyrosequencing. <i>FEMS Microbiology Ecology</i> , 2013 , 86, 357-71	4.3	63
20	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	2.7	57
19	Environmental rather than spatial factors structure bacterioplankton communities in shallow lakes along a > 6000 km latitudinal gradient in South America. <i>Environmental Microbiology</i> , 2015 , 17, 2336-51	5.2	53
18	Analysing eco-evolutionary dynamics—the challenging complexity of the real world. <i>Functional Ecology</i> , 2019 , 33, 43-59	5.6	46
17	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	7.7	41
16	Taxonomic, functional and phylogenetic metacommunity ecology of cladoceran zooplankton along urbanization gradients. <i>Ecography</i> , 2018 , 41, 183-194	6.5	41
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,	5.8	38
14	A time-calibrated multi-gene phylogeny of the diatom genus <i>Pinnularia</i> . <i>Molecular Phylogenetics and Evolution</i> , 2011 , 61, 866-79	4.1	37
13	Study of biofilms on PVDF membranes after chemical cleaning by sodium hypochlorite. <i>Separation and Purification Technology</i> , 2015 , 141, 314-321	8.3	31

12	In vitro selection and characterization of putative probiotics isolated from the gut of <i>Acipenser baerii</i> (Brandt, 1869). <i>Aquaculture Research</i> , 2014 , 45, 341-352	1.9	31
11	Integrating trait and phylogenetic distances to assess scale-dependent community assembly processes. <i>Ecography</i> , 2017 , 40, 742-752	6.5	26
10	Priority effects in experimental populations of the cyanobacterium <i>Microcystis</i> . <i>Environmental Microbiology</i> , 2009 , 11, 2564-73	5.2	25
9	Analysis of the microbial community structure in a membrane bioreactor during initial stages of filtration. <i>Biofouling</i> , 2012 , 28, 225-38	3.3	24
8	Chemical limnology in coastal East Antarctic lakes: monitoring future climate change in centres of endemism and biodiversity. <i>Antarctic Science</i> , 2012 , 24, 23-33	1.7	23
7	An experimental analysis of species sorting and mass effects in freshwater bacterioplankton. <i>Freshwater Biology</i> , 2014 , 59, 2081-2095	3.1	19
6	Freshwater Bacterioplankton Metacommunity Structure Along Urbanization Gradients in Belgium. <i>Frontiers in Microbiology</i> , 2019 , 10, 743	5.7	11
5	Inoculation history affects community composition in experimental freshwater bacterioplankton communities. <i>Environmental Microbiology</i> , 2018 , 20, 1120-1133	5.2	10
4	A polyphasic approach to the delimitation of diatom species: a case study for the genus <i>Pinnularia</i> (Bacillariophyta). <i>Journal of Phycology</i> , 2019 , 55, 365-379	3	6
3	A comparative hierarchical analysis of bacterioplankton and biofilm metacommunity structure in an interconnected pond system. <i>Environmental Microbiology</i> , 2018 , 20, 1271-1282	5.2	2
2	Food nutrient availability affects epibiont prevalence and richness in natural <i>Daphnia</i> populations. <i>Limnology and Oceanography</i> , 2020 , 65, 2529-2540	4.8	2
1	Bacterioplankton Assembly Along a Eutrophication Gradient Is Mainly Structured by Environmental Filtering, Including Indirect Effects of Phytoplankton Composition.. <i>Microbial Ecology</i> , 2022 , 1	4.4	0