

Johan Decelle

List of Publications by Year in descending order

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Version: 2024-02-01

42
papers

7,096
citations

159585

30
h-index

315739

38
g-index

48
all docs

48
docs citations

48
times ranked

7134
citing authors

#	ARTICLE	IF	CITATIONS
1	Intracellular development and impact of a marine eukaryotic parasite on its zombified microalgal host. <i>ISME Journal</i> , 2022, 16, 2348-2359.	9.8	10
2	Morphological bases of phytoplankton energy management and physiological responses unveiled by 3D subcellular imaging. <i>Nature Communications</i> , 2021, 12, 1049.	12.8	51
3	A community perspective on the concept of marine holobionts: current status, challenges, and future directions. <i>PeerJ</i> , 2021, 9, e10911.	2.0	44
4	Mixotrophic growth of the extremophile <i>Galdieria sulphuraria</i> reveals the flexibility of its carbon assimilation metabolism. <i>New Phytologist</i> , 2021, 231, 326-338.	7.3	24
5	Cytokleptly in the plankton: A host strategy to optimize the bioenergetic machinery of endosymbiotic algae. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , 2021, 118, .	7.1	27
6	Multi-modal correlative chemical imaging of aquatic microorganisms. <i>Microscopy and Microanalysis</i> , 2021, 27, 298-300.	0.4	0
7	Subcellular architecture and metabolic connection in the planktonic photosymbiosis between <i>Collocladia</i> (radiolarians) and their microalgae. <i>Environmental Microbiology</i> , 2021, 23, 6569-6586.	3.8	14
8	Subcellular Chemical Imaging: New Avenues in Cell Biology. <i>Trends in Cell Biology</i> , 2020, 30, 173-188.	7.9	59
9	Visualization of the Ionome in Planktonic Symbioses. <i>Microscopy and Microanalysis</i> , 2019, 25, 1074-1075.	0.4	0
10	Selective Ion Accumulation in Biomineralizing Marine Acantharia. <i>Microscopy and Microanalysis</i> , 2019, 25, 1072-1073.	0.4	1
11	Mixotrophy Among Freshwater and Marine Protists. , 2019, , 199-199.		5
12	Algal Remodeling in a Ubiquitous Planktonic Photosymbiosis. <i>Current Biology</i> , 2019, 29, 968-978.e4.	3.9	45
13	Diatom diversity through HTS-metabarcoding in coastal European seas. <i>Scientific Reports</i> , 2018, 8, 18059.	3.3	48
14	Worldwide Occurrence and Activity of the Reef-Building Coral Symbiont <i>Symbiodinium</i> in the Open Ocean. <i>Current Biology</i> , 2018, 28, 3625-3633.e3.	3.9	52
15	A de novo approach to disentangle partner identity and function in holobiont systems. <i>Microbiome</i> , 2018, 6, 105.	11.1	19
16	Diversity and oceanic distribution of prasinophytes clade VII, the dominant group of green algae in oceanic waters. <i>ISME Journal</i> , 2017, 11, 512-528.	9.8	70
17	Bacterioplankton Biogeography of the Atlantic Ocean: A Case Study of the Distance-Decay Relationship. <i>Frontiers in Microbiology</i> , 2016, 7, 590.	3.5	45
18	Co-occurrence Analysis of Microbial Taxa in the Atlantic Ocean Reveals High Connectivity in the Free-Living Bacterioplankton. <i>Frontiers in Microbiology</i> , 2016, 7, 649.	3.5	152

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19	NanoSIMS chemical imaging combined with correlative microscopy for biological sample analysis. <i>Current Opinion in Biotechnology</i> , 2016, 41, 130-135.	6.6	45
20	Benthic protists: the under-charted majority. <i>FEMS Microbiology Ecology</i> , 2016, 92, fiw120.	2.7	94
21	The symbiotic life of <i>Symbiodinium</i> in the open ocean within a new species of calcifying ciliate (<i>Tiarina</i> sp.). <i>ISME Journal</i> , 2016, 10, 1424-1436.	9.8	37
22	Marine protist diversity in European coastal waters and sediments as revealed by high-throughput sequencing. <i>Environmental Microbiology</i> , 2015, 17, 4035-4049.	3.8	384
23	PhytoREF: a reference database of the plastidial 16S rRNA gene of photosynthetic eukaryotes with curated taxonomy. <i>Molecular Ecology Resources</i> , 2015, 15, 1435-1445.	4.8	198
24	Determinants of community structure in the global plankton interactome. <i>Science</i> , 2015, 348, 1262073.	12.6	842
25	Eukaryotic plankton diversity in the sunlit ocean. <i>Science</i> , 2015, 348, 1261605.	12.6	1,551
26	Towards an Integrative Morpho-molecular Classification of the Collodaria (Polycystinea, Radiolaria). <i>Protist</i> , 2015, 166, 374-388.	1.5	49
27	Transcriptome analyses to investigate symbiotic relationships between marine protists. <i>Frontiers in Microbiology</i> , 2015, 6, 98.	3.5	40
28	<i>Phaeocystis rex</i> sp. nov. (Phaeocystales, Prymnesiophyceae): a new solitary species that produces a multilayered scale cell covering. <i>European Journal of Phycology</i> , 2015, 50, 207-222.	2.0	15
29	Photosymbiosis in Marine Planktonic Protists. , 2015, , 465-500.		73
30	Intracellular Diversity of the V4 and V9 Regions of the 18S rRNA in Marine Protists (Radiolarians) Assessed by High-Throughput Sequencing. <i>PLoS ONE</i> , 2014, 9, e104297.	2.5	69
31	Patterns of Rare and Abundant Marine Microbial Eukaryotes. <i>Current Biology</i> , 2014, 24, 813-821.	3.9	450
32	<i>B</i> gen. nov. and <i>B</i> . <i>Ânutricula</i> comb. nov. (<i>Dinophyceae</i>), a dinoflagellate commonly found in symbiosis with polycystine radiolarians. <i>Journal of Phycology</i> , 2014, 50, 388-399.	2.3	80
33	Deep relationships of Rhizaria revealed by phylogenomics: A farewell to Haeckel's Radiolaria. <i>Molecular Phylogenetics and Evolution</i> , 2013, 67, 53-59.	2.7	65
34	Ancient DNA complements microfossil record in deep-sea subsurface sediments. <i>Biology Letters</i> , 2013, 9, 20130283.	2.3	102
35	New perspectives on the functioning and evolution of photosymbiosis in plankton. <i>Communicative and Integrative Biology</i> , 2013, 6, e24560.	1.4	17
36	Diversity, Ecology and Biogeochemistry of Cyst-Forming Acantharia (Radiolaria) in the Oceans. <i>PLoS ONE</i> , 2013, 8, e53598.	2.5	66

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37	CBOL Protist Working Group: Barcoding Eukaryotic Richness beyond the Animal, Plant, and Fungal Kingdoms. <i>PLoS Biology</i> , 2012, 10, e1001419.	5.6	488
38	The Protist Ribosomal Reference database (PR2): a catalog of unicellular eukaryote Small Sub-Unit rRNA sequences with curated taxonomy. <i>Nucleic Acids Research</i> , 2012, 41, D597-D604.	14.5	1,463
39	An original mode of symbiosis in open ocean plankton. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , 2012, 109, 18000-18005.	7.1	126
40	Multiple microalgal partners in symbiosis with the acantharian <i>Acanthochiasma</i> sp. (<i>Radiolaria</i>). <i>Symbiosis</i> , 2012, 58, 233-244.	2.3	44
41	Molecular Phylogeny and Morphological Evolution of the Acantharia (<i>Radiolaria</i>). <i>Protist</i> , 2012, 163, 435-450.	1.5	62
42	Morphological adaptations to chronic hypoxia in deep-sea decapod crustaceans from hydrothermal vents and cold seeps. <i>Marine Biology</i> , 2010, 157, 1259-1269.	1.5	38