

Insights into global diatom distribution and diversity in

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Citation Report

#	ARTICLE	IF	CITATIONS
1	Editing of the urease gene by CRISPR-Cas in the diatom <i>Thalassiosira pseudonana</i> . <i>Plant Methods</i> , 2016, 12, 49.	1.9	137
2	Extreme Diversity of Diplonemid Eukaryotes in the Ocean. <i>Current Biology</i> , 2016, 26, 3060-3065.	1.8	105
3	Delineating ecologically significant taxonomic units from global patterns of marine picocyanobacteria. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , 2016, 113, E3365-74.	3.3	159
4	Halocarbon emissions from marine phytoplankton and climate change. <i>International Journal of Environmental Science and Technology</i> , 2017, 14, 1355-1370.	1.8	40
5	Recent progress in diatom genomics and epigenomics. <i>Current Opinion in Plant Biology</i> , 2017, 36, 46-55.	3.5	33
6	Modelling plankton ecosystems in the meta-omics era. Are we ready?. <i>Marine Genomics</i> , 2017, 32, 1-17.	0.4	29
7	Light sensing and responses in marine microalgae. <i>Current Opinion in Plant Biology</i> , 2017, 37, 70-77.	3.5	56
8	Analysis of phytoplankton assemblage structure in the Mediterranean Sea based on high-throughput sequencing of partial 18S rRNA sequences. <i>Marine Genomics</i> , 2017, 36, 49-55.	0.4	31
9	Interactions between polystyrene microplastics and marine phytoplankton lead to species-specific hetero-aggregation. <i>Environmental Pollution</i> , 2017, 228, 454-463.	3.7	270
10	Two new species in the <i>Chaetoceros socialis</i> complex (Bacillariophyta): <i>C.Âsporotruncatus</i> and <i>C.Âdichatoensis</i> , and characterization of its relatives, <i>C.Âradicans</i> and <i>C.Âcinctus</i> . <i>Journal of Phycology</i> , 2017, 53, 889-907.	1.0	25
11	Diversity of CO ₂ -concentrating mechanisms and responses to CO ₂ concentration in marine and freshwater diatoms. <i>Journal of Experimental Botany</i> , 2017, 68, 3925-3935.	2.4	35
12	Change in the elemental composition and cell geometry of the marine diatom <i>Attheya longicornis</i> under nitrogen- and iron-depleted conditions. <i>Diatom Research</i> , 2017, 32, 11-20.	0.5	2
13	Detachment of the fucoxanthin chlorophyll a / c binding protein (FCP) antenna is not involved in the acclimative regulation of photoprotection in the pennate diatom <i>Phaeodactylum tricornutum</i> . <i>Biochimica Et Biophysica Acta - Bioenergetics</i> , 2017, 1858, 218-230.	0.5	37
14	Use of plankton-derived vitamin B1 precursors, especially thiazole-related precursor, by key marine picoeukaryotic phytoplankton. <i>ISME Journal</i> , 2017, 11, 753-765.	4.4	69
15	Application of Omics™ Approaches to Microbial Oceanography. , 2017, , 223-233.		1
16	Effects of eutrophication on diatom abundance, biovolume and diversity in tropical coastal waters. <i>Environmental Monitoring and Assessment</i> , 2017, 189, 432.	1.3	12
17	Diversity and taxonomic identification of <i>Shionodiscus</i> spp. in the Australian sector of the Subantarctic Zone. <i>Diatom Research</i> , 2017, 32, 295-307.	0.5	3
18	Diversity and distribution of the planktonic diatom genus <i>Chaetoceros</i> (Bacillariophyceae) in the Golden Horn Estuary (Sea of Marmara). <i>Diatom Research</i> , 2017, 32, 309-323.	0.5	12

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20	The role of intraspecific variation in the ecological and evolutionary success of diatoms in changing environments. <i>Philosophical Transactions of the Royal Society B: Biological Sciences</i> , 2017, 372, 20160399.	1.8	95
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22	Viral to metazoan marine plankton nucleotide sequences from the Tara Oceans expedition. <i>Scientific Data</i> , 2017, 4, 170093.	2.4	147
23	Nitrate Reductase Knockout Uncouples Nitrate Transport from Nitrate Assimilation and Drives Repartitioning of Carbon Flux in a Model Pennate Diatom. <i>Plant Cell</i> , 2017, 29, 2047-2070.	3.1	102
24	Diversity and temporal patterns of planktonic protist assemblages at a Mediterranean Long Term Ecological Research site. <i>FEMS Microbiology Ecology</i> , 2017, 93, fiw200.	1.3	173
25	The planktonic diatom genus <i>Chaetoceros</i> Ehrenberg (Bacillariophyta) from the Adriatic Sea. <i>Phytotaxa</i> , 2017, 314, 1.	0.1	14
26	Diatom flagellar genes and their expression during sexual reproduction in <i>Leptocylindrus danicus</i> . <i>BMC Genomics</i> , 2017, 18, 813.	1.2	12
27	A Consumer's Guide to Satellite Remote Sensing of Multiple Phytoplankton Groups in the Global Ocean. <i>Frontiers in Marine Science</i> , 2017, 4, .	1.2	115
28	Phytoplankton Blooms at Increasing Levels of Atmospheric Carbon Dioxide: Experimental Evidence for Negative Effects on Prymnesiophytes and Positive on Small Picoeukaryotes. <i>Frontiers in Marine Science</i> , 2017, 4, .	1.2	68
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31	High-throughput sequencing for algal systematics. <i>European Journal of Phycology</i> , 2018, 53, 256-272.	0.9	33
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34	Enhanced dissolved lipid production as a response to the sea surface warming. <i>Journal of Marine Systems</i> , 2018, 180, 289-298.	0.9	13
35	<i>Thalassiosira mala</i> (Bacillariophyta), a potentially harmful, marine diatom from Chilka Lake and other coastal localities of Odisha, India: Nomenclature, frustule morphology and global biogeography. <i>Journal of Biosciences</i> , 2018, 43, 59-74.	0.5	6
36	Morphological diversity and phylogeny of the diatom genus <i>Entomoneis</i> (Bacillariophyta) in marine plankton: six new species from the Adriatic Sea. <i>Journal of Phycology</i> , 2018, 54, 275-298.	1.0	9
37	Neobodonids are dominant kinetoplastids in the global ocean. <i>Environmental Microbiology</i> , 2018, 20, 878-889.	1.8	27

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39	Under the canopy: Community-wide effects of invasive algae in Marine Protected Areas revealed by metabarcoding. <i>Marine Pollution Bulletin</i> , 2018, 127, 54-66.	2.3	24
40	Integrative analysis of large scale transcriptome data draws a comprehensive landscape of <i>Phaeodactylum tricornutum</i> genome and evolutionary origin of diatoms. <i>Scientific Reports</i> , 2018, 8, 4834.	1.6	131
41	Nanoplanktonic diatoms are globally overlooked but play a role in spring blooms and carbon export. <i>Nature Communications</i> , 2018, 9, 953.	5.8	150
42	Combined exploitation of CO ₂ and nutrient replenishment for increasing biomass and lipid productivity of the marine diatoms <i>Thalassiosira weissflogii</i> and <i>Cyclotella cryptica</i> . <i>Journal of Applied Phycology</i> , 2018, 30, 243-251.	1.5	17
43	Taxon-specific contributions to silica production in natural diatom assemblages. <i>Limnology and Oceanography</i> , 2018, 63, 1056-1075.	1.6	14
44	First records of two planktonic Indo-Pacific diatoms: <i>Chaetoceros bacteriastroides</i> and <i>C. pseudosymmetricus</i> in the Adriatic Sea. <i>Oceanologia</i> , 2018, 60, 101-105.	1.1	7
45	Bacterial Epibiotic Communities of Ubiquitous and Abundant Marine Diatoms Are Distinct in Short- and Long-Term Associations. <i>Frontiers in Microbiology</i> , 2018, 9, 2879.	1.5	33
46	Diatom diversity through HTS-metabarcoding in coastal European seas. <i>Scientific Reports</i> , 2018, 8, 18059.	1.6	48
49	Annotated 18S and 28S rDNA reference sequences of taxa in the planktonic diatom family Chaetocerotaceae. <i>PLoS ONE</i> , 2018, 13, e0208929.	1.1	39
50	MRP3 is a sex determining gene in the diatom <i>Pseudo-nitzschia multistriata</i> . <i>Nature Communications</i> , 2018, 9, 5050.	5.8	21
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53	Diatom populations in an upwelling environment decrease silica content to avoid growth limitation. <i>Environmental Microbiology</i> , 2018, 20, 4184-4193.	1.8	37
54	Planktonic prokaryote and protist communities in a submarine canyon system in the Ligurian Sea (NW) Tj ETQq0 0,0,rgBT /Overlock 10	1.5	19
55	<i>Pseudo-nitzschia</i> , <i>Nitzschia</i> , and domoic acid: New research since 2011. <i>Harmful Algae</i> , 2018, 79, 3-43.	2.2	233
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59	Diverse Internal Symbiont Community in the Endosymbiotic Foraminifera <i>Pararotalia calcariformata</i> : Implications for Symbiont Shuffling Under Thermal Stress. <i>Frontiers in Microbiology</i> , 2018, 9, 2018.	1.5	26
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62	Dynamic Changes between Two LHCX-Related Energy Quenching Sites Control Diatom Photoacclimation. <i>Plant Physiology</i> , 2018, 177, 953-965.	2.3	46
63	Morphological, molecular and toxigenic characteristics of Namibian <i>Pseudo-nitzschia</i> species – including <i>Pseudo-nitzschia bucculenta</i> sp. nov.. <i>Harmful Algae</i> , 2018, 76, 80-95.	2.2	25
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66	Contrasting biogeography and diversity patterns between diatoms and haptophytes in the central Pacific Ocean. <i>Scientific Reports</i> , 2018, 8, 10916.	1.6	52
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70	Time-dependent upregulation of electron transport with concomitant induction of regulated excitation dissipation in <i>Haslea</i> diatoms. <i>Photosynthesis Research</i> , 2018, 137, 377-388.	1.6	20
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77	Spatial and temporal dynamics of Antarctic shallow soft-bottom benthic communities: ecological drivers under climate change. <i>BMC Ecology</i> , 2019, 19, 27.	3.0	23
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80	Spatial heterogeneity of the planktonic protistan community in a semi-closed eutrophic bay, China. <i>Journal of Plankton Research</i> , 2019, 41, 223-239.	0.8	7
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89	Turbulence induces clustering and segregation of non-motile, buoyancy-regulating phytoplankton. <i>Journal of the Royal Society Interface</i> , 2019, 16, 20190324.	1.5	12
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93	First Viruses Infecting the Marine Diatom <i>Guinardia delicatula</i> . <i>Frontiers in Microbiology</i> , 2018, 9, 3235.	1.5	37
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96	Scientistsâ€™ warning to humanity: microorganisms and climate change. <i>Nature Reviews Microbiology</i> , 2019, 17, 569-586.	13.6	1,138
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108	Community-Level Responses to Iron Availability in Open Ocean Plankton Ecosystems. <i>Global Biogeochemical Cycles</i> , 2019, 33, 391-419.	1.9	76
109	Diatoms shape the biogeography of heterotrophic prokaryotes in early spring in the Southern Ocean. <i>Environmental Microbiology</i> , 2019, 21, 1452-1465.	1.8	33
110	Untangling hidden nutrient dynamics: rapid ammonium cycling and single-cell ammonium assimilation in marine plankton communities. <i>ISME Journal</i> , 2019, 13, 1960-1974.	4.4	49
111	Metatranscriptomic Signatures Associated With Phytoplankton Regime Shift From Diatom Dominance to a Dinoflagellate Bloom. <i>Frontiers in Microbiology</i> , 2019, 10, 590.	1.5	61
112	Global warming and oligotrophication lead to increased lipid production in marine phytoplankton. <i>Science of the Total Environment</i> , 2019, 668, 171-183.	3.9	24

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113	Live Single-Cell Metabolomics With Matrix-Free Laser/Desorption Ionization Mass Spectrometry to Address Microalgal Physiology. <i>Frontiers in Plant Science</i> , 2019, 10, 172.	1.7	26
114	Photosynthetic adaptation to low iron, light, and temperature in Southern Ocean phytoplankton. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , 2019, 116, 4388-4393.	3.3	104
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120	Molecular biogeography of planktonic and benthic diatoms in the Yangtze River. <i>Microbiome</i> , 2019, 7, 153.	4.9	50
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122	Re-shaping marine plankton communities: effects of diatom oxylipins on copepods and beyond. <i>Marine Biology</i> , 2019, 166, 1.	0.7	14
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124	Community structural differences shape microbial responses to high molecular weight organic matter. <i>Environmental Microbiology</i> , 2019, 21, 557-571.	1.8	40
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135	Diatom modulation of select bacteria through use of two unique secondary metabolites. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , 2020, 117, 27445-27455.	3.3	118
136	Bioprospecting of marine diatoms <i>Thalassiosira</i> , <i>Skeletonema</i> and <i>Chaetoceros</i> for lipids and other value-added products. <i>Bioresource Technology</i> , 2020, 318, 124073.	4.8	59
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138	Diatoms and Their Ecological Importance. <i>Encyclopedia of the UN Sustainable Development Goals</i> , 2020, , 1-9.	0.0	2
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143	Marine heat waves alter gene expression of key enzymes of membrane and storage lipids metabolism in <i>Phaeodactylum tricornutum</i> . <i>Plant Physiology and Biochemistry</i> , 2020, 156, 357-368.	2.8	11
145	Shifts in the protist community associated with an anticyclonic gyre in the Alboran Sea (Mediterranean Sea). <i>FEMS Microbiology Ecology</i> , 2020, 96, .	1.3	5
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