

CITATION REPORT

List of articles citing

Whole-genome expression profiling of the marine diatom *Thalassiosira pseudonana* identifies genes involved in silicon bioprocesses

DOI: 10.1073/pnas.0707946105

Proceedings of the National Academy of Sciences of the United States of America, 2008, 105, 1579-84.

Source: <https://exaly.com/paper-pdf/44532061/citation-report.pdf>

Version: 2024-04-28

This report has been generated based on the citations recorded by exaly.com for the above article. For the latest version of this publication list, visit the link given above.

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

#	Paper	IF	Citations
231	Studies of marine planktonic diatoms. I. <i>Cyclotella nana</i> Hustedt, and <i>Detonula confervacea</i> (Cleve) Grun. 1962 , 8, 229-39		5788
230	The diversity of small eukaryotic phytoplankton (2008, 32, 795-820)		279
229	Genomic insights into marine microalgae. 2008 , 42, 619-45		124
228	Mining the diatom genome for the mechanism of biosilicification. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , 2008 , 105, 1391-2	11.5	20
227	Whole-cell response of the pennate diatom <i>Phaeodactylum tricornutum</i> to iron starvation. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , 2008 , 105, 10438-43	11.5	326
226	Silicon: Nitrogen Interactions in the Marine Environment. 2008 , 1589-1626		
225	Chitin in diatoms and its association with the cell wall. 2009 , 8, 1038-50		122
224	Gene silencing in the marine diatom <i>Phaeodactylum tricornutum</i> . 2009 , 37, e96		229
223	Update of the Diatom EST Database: a new tool for digital transcriptomics. 2009 , 37, D1001-5		56
222	Darwin, natural selection and the biological essentiality of aluminium and silicon. 2009 , 34, 589-93		97
221	The Glass Menagerie: diatoms for novel applications in nanotechnology. 2009 , 27, 116-27		309
220	Triacylglycerol accumulation and profiling in the model diatoms <i>Thalassiosira pseudonana</i> and <i>Phaeodactylum tricornutum</i> (Bacillariophyceae) during starvation. 2009 , 21, 669-681		135
219	Diatoms in biotechnology: modern tools and applications. 2009 , 82, 195-201		130
218	Analytical studies of silica biomineralization: towards an understanding of silica processing by diatoms. 2009 , 84, 607-16		65
217	Protists are microbes too: a perspective. 2009 , 3, 4-12		110
216	Microbial oceanography in a sea of opportunity. 2009 , 459, 180-4		72
215	The life of diatoms in the world's oceans. 2009 , 459, 185-92		599

214	3D imaging of diatoms with ion-abrasion scanning electron microscopy. 2009 , 166, 316-28		65
213	Genome-wide transcriptome analyses of silicon metabolism in <i>Phaeodactylum tricornutum</i> reveal the multilevel regulation of silicic acid transporters. 2009 , 4, e7458		82
212	Biomimetic photocatalyst system derived from the natural prototype in leaves for efficient visible-light-driven catalysis. 2009 , 19, 2695		41
211	Genetically designed Peptide-based molecular materials. 2009 , 3, 1606-15		78
210	Molecular Tools for Discovering the Secrets of Diatoms. 2009 , 59, 757-765		26
209	Creation of a pilot metatranscriptome library from eukaryotic plankton of a eutrophic bay (Tampa Bay, Florida). 2009 , 7, 249-259		3
208	Dynamic probe selection for studying microbial transcriptome with high-density genomic tiling microarrays. 2010 , 11, 82		9
207	EFFECTS OF IRON AND COPPER DEFICIENCY ON THE EXPRESSION OF MEMBERS OF THE LIGHT-HARVESTING FAMILY IN THE DIATOM THALASSIOSIRA PSEUDONANA (BACILLARIOPHYCEAE)1. 2010 , 46, 974-981		16
206	Genotypic and phenotypic variation in diatom silicification under paleo-oceanographic conditions. 2010 , 8, 433-45		18
205	Quantitative 3D elemental microtomography of <i>Cyclotella meneghiniana</i> at 400-nm resolution. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , 2010 , 107, 15676-80	11.5	127
204	Characterization of an endoplasmic reticulum-associated silaffin kinase from the diatom <i>Thalassiosira pseudonana</i> . 2010 , 285, 1166-76		17
203	Morphological and phylogenetic comparisons of <i>Neodenticula seminae</i> (Bacillariophyta) populations between the subarctic Pacific and the Gulf of St. Lawrence. 2010 , 45, 127-142		13
202	Oceanographic and biogeochemical insights from diatom genomes. 2010 , 2, 333-65		145
201	The voyage of the microbial eukaryote. 2010 , 13, 652-60		17
200	Digital expression profiling of novel diatom transcripts provides insight into their biological functions. 2010 , 11, R85		77
199	Silica Use Through Time: Macroevolutionary Change in the Morphology of the Diatom Fustule. 2010 , 27, 596-608		40
198	Introduction to Marine Genomics. 2010 ,		5
197	Genomic analysis at the single-cell level. 2011 , 45, 431-45		157

196	The model marine diatom <i>Thalassiosira pseudonana</i> likely descended from a freshwater ancestor in the genus <i>Cyclotella</i> . 2011 , 11, 125	63
195	Learning to read the oceans genomics of marine phytoplankton. 2011 , 60, 1-39	15
194	Gene biomarkers in diatom <i>Thalassiosira pseudonana</i> exposed to polycyclic aromatic hydrocarbons from contaminated marine surface sediments. 2011 , 101, 244-53	22
193	Co-limitation of diatoms by iron and silicic acid in the equatorial Pacific. 2011 , 58, 493-511	69
192	Metal quotas of plankton in the equatorial Pacific Ocean. 2011 , 58, 325-341	80
191	sxtA-based quantitative molecular assay to identify saxitoxin-producing harmful algal blooms in marine waters. 2011 , 77, 7050-7	86
190	Stemming epigenetics in marine stramenopiles. 2011 , 12, 357-70	18
189	Nutrient-regulated transcriptional responses in the brown tide-forming alga <i>Aureococcus anophagefferens</i> . 2011 , 13, 468-81	47
188	Impact of irradiance on the C allocation in the coastal marine diatom <i>Skeletonema marinoi</i> Sarno and Zingone. 2011 , 34, 1666-77	44
187	Proteomic analysis of the marine diatom <i>Thalassiosira pseudonana</i> upon exposure to benzo(a)pyrene. 2011 , 12, 159	51
186	Die E.-coli-Siderophore Enterobactin und Salmochelin bilden sechsfach koordinierte Siliciumkomplexe bei physiologischen pH-Werten. 2011 , 123, 4317-4321	4
185	The E. coli siderophores enterobactin and salmochelin form six-coordinate silicon complexes at physiological pH. 2011 , 50, 4230-3	20
184	Biom mineralization in diatoms: the role of silacidins. 2011 , 12, 1362-6	52
183	Nanopatterned protein microrings from a diatom that direct silica morphogenesis. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , 2011 , 108, 3175-80	11.5 146
182	Silicon uptake by sponges: a twist to understanding nutrient cycling on continental margins. 2011 , 1, 30	52
181	The role of proteins in biosilicification. 2012 , 2012, 867562	35
180	The response of diatom central carbon metabolism to nitrogen starvation is different from that of green algae and higher plants. 2012 , 158, 299-312	250
179	Identifying reference genes with stable expression from high throughput sequence data. 2012 , 3, 385	24

178	A comparative study of iron uptake mechanisms in marine microalgae: iron binding at the cell surface is a critical step. 2012 , 160, 2271-84	58
177	Ocean-atmosphere trace gas exchange. 2012 , 41, 6473-506	172
176	Integrated simulation with experimentation is a powerful tool for understanding diatom valve morphogenesis. 2012 , 109, 450-9	21
175	Identification and expression analysis of the gene <i>lhcSR</i> associated with adaptation to light and low temperature stress in the green tide forming alga <i>Ulva prolifera</i> . 2012 , 8, 746-755	9
174	Whole transcriptome analysis of the silicon response of the diatom <i>Thalassiosira pseudonana</i> . 2012 , 13, 499	81
173	Genomics and Genetics of Diatoms. 2012 , 64, 245-284	11
172	Frustule-related gene transcription and the influence of diatom community composition on silica precipitation in an iron-limited environment. 2012 , 57, 1619-1633	33
171	Effects of silver nanoparticles in diatom <i>Thalassiosira pseudonana</i> and cyanobacterium <i>Synechococcus</i> sp. 2012 , 46, 11336-44	70
170	The transcriptome and proteome of the diatom <i>Thalassiosira pseudonana</i> reveal a diverse phosphorus stress response. 2012 , 7, e33768	216
169	Iron utilization in marine cyanobacteria and eukaryotic algae. 2012 , 3, 43	95
168	Molecular Interactions in Natural and Synthetic Self-Assembly Systems. 2012 ,	
167	Expression, purification, and reconstitution of a diatom silicon transporter. 2012 , 51, 3776-85	28
166	Marine protistan diversity. 2012 , 4, 467-93	198
165	Characterization of the acylglycerols and resulting biodiesel derived from vegetable oil and microalgae (<i>Thalassiosira pseudonana</i> and <i>Phaeodactylum tricornutum</i>). 2012 , 109, 1146-54	25
164	Whole-genome expression analysis reveals a role for death-related genes in stress acclimation of the diatom <i>Thalassiosira pseudonana</i> . 2012 , 14, 67-81	68
163	Coupled effects of light and nitrogen source on the urea cycle and nitrogen metabolism over a diel cycle in the marine diatom <i>Thalassiosira pseudonana</i> . <i>Protist</i> , 2012 , 163, 232-51	2.5 50
162	What can we learn from genomics approaches in marine ecology? From sequences to eco-systems biology!. 2012 , 33, 131-148	9
161	Productivity and biochemical composition of <i>Phaeodactylum tricornutum</i> (Bacillariophyceae) cultures grown outdoors in tubular photobioreactors and open ponds. 2013 , 54, 115-122	78

160	Normalization genes for mRNA expression in the marine diatom <i>Ditylum brightwellii</i> following exposure to thermal and toxic chemical stresses. 2013 , 25, 1101-1109	11
159	Identification of G protein-coupled receptor signaling pathway proteins in marine diatoms using comparative genomics. 2013 , 14, 503	19
158	The impact of temperature on marine phytoplankton resource allocation and metabolism. 2013 , 3, 979-984	244
157	Plasticity in the proteome of <i>Emiliana huxleyi</i> CCMP 1516 to extremes of light is highly targeted. 2013 , 200, 61-73	33
156	Monitoring the single-cell stress response of the diatom <i>Thalassiosira pseudonana</i> by quantitative real-time reverse transcription-PCR. 2013 , 79, 1850-8	19
155	Ecological and evolutionary genomics of marine photosynthetic organisms. 2013 , 22, 867-907	27
154	Biom mineralization in diatoms-phosphorylated saccharides are part of <i>Stephanopyxis turris</i> biosilica. 2013 , 365, 52-60	26
153	A family of diatom-like silicon transporters in the siliceous loricate choanoflagellates. 2013 , 280, 20122543	36
152	Different transcriptional responses of heat shock protein 70/90 in the marine diatom <i>Ditylum brightwellii</i> exposed to metal compounds and endocrine-disrupting chemicals. 2013 , 92, 535-43	20
151	Transcriptome analysis of the sulfate deficiency response in the marine microalga <i>Emiliana huxleyi</i> . 2013 , 199, 650-62	53
150	De novo transcriptome profiling uncovers a drastic downregulation of photosynthesis upon nitrogen deprivation in the nonmodel green alga <i>Botryosphaerella sudeticus</i> . 2013 , 14, 715	18
149	Positive selection within a diatom species acts on putative protein interactions and transcriptional regulation. 2013 , 30, 422-34	20
148	A simple probabilistic model of submicroscopic diatom morphogenesis. 2013 , 10, 20130067	12
147	The central carbon and energy metabolism of marine diatoms. 2013 , 3, 325-46	43
146	Genome-wide diel growth state transitions in the diatom <i>Thalassiosira pseudonana</i> . <i>Proceedings of the National Academy of Sciences of the United States of America</i> , 2013 , 110, 7518-23	11.5 96
145	Role of biogenic silica in the removal of iron from the Antarctic seas. 2013 , 4, 1981	51
144	Death-specific protein in a marine diatom regulates photosynthetic responses to iron and light availability. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , 2013 , 110, 20123-8	11.5 33
143	Silicic acid supplied to coastal diatom communities influences cellular silicification and the potential export of carbon. 2013 , 58, 1707-1726	11

142	Diatom proteomics reveals unique acclimation strategies to mitigate Fe limitation. 2013 , 8, e75653	60
141	Transcriptional responses of three model diatoms to nitrate limitation of growth. 2014 , 1,	76
140	. 2014 ,	8
139	Understanding the sub-cellular dynamics of silicon transportation and synthesis in diatoms using population-level data and computational optimization. 2014 , 10, e1003687	5
138	Domoic Acid. 2014 , 189-216	7
137	Phosphorus deficiency affects multiple macromolecular biosynthesis pathways of <i>Thalassiosira weissflogii</i> . 2014 , 33, 85-91	10
136	Selection and validation of reference genes for qPCR analysis in the pennate diatoms <i>Pseudo-nitzschia multistriata</i> and <i>P. arenysensis</i> . 2014 , 451, 74-81	17
135	Effect of environmental conditions on various enzyme activities and triacylglycerol contents in cultures of the freshwater diatom, <i>Asterionella formosa</i> (Bacillariophyceae). 2014 , 101, 21-30	18
134	iTRAQ-based proteomic analysis of the metabolism mechanism associated with silicon response in the marine diatom <i>Thalassiosira pseudonana</i> . 2014 , 13, 720-34	35
133	Cellular metabolic responses of the marine diatom <i>Pseudo-nitzschia multiseriata</i> associated with cell wall formation. 2014 , 16, 29-38	2
132	Cellular responses associated with ROS production and cell fate decision in early stress response to iron limitation in the diatom <i>Thalassiosira pseudonana</i> . 2014 , 13, 5510-23	26
131	Global discovery and characterization of small non-coding RNAs in marine microalgae. 2014 , 15, 697	17
130	Advances in Calcium Phosphate Biomaterials. <i>Springer Series in Biomaterials Science and Engineering</i> , 2014 ,	0.6 27
129	Expression of a xanthine permease and phosphate transporter in cultures and field populations of the harmful alga <i>Aureococcus anophagefferens</i> : tracking nutritional deficiency during brown tides. 2014 , 16, 2444-57	19
128	Proteomics studies on stress responses in diatoms. 2015 , 15, 3943-53	20
127	Metabolomic Profiling of 13 Diatom Cultures and Their Adaptation to Nitrate-Limited Growth Conditions. 2015 , 10, e0138965	32
126	Degradation of diatom carbohydrates: A case study with N- and Si-stressed <i>Thalassiosira weissflogii</i> . 2015 , 470, 1-11	11
125	A novel protein, ubiquitous in marine phytoplankton, concentrates iron at the cell surface and facilitates uptake. 2015 , 25, 364-371	61

124	Titanium uptake and incorporation into silica nanostructures by the diatom sp. (Bacillariophyceae). 2015, 27, 777-786	16
123	Structure and function of the silicifying peptide R5. 2015, 3, 2607-2614	49
122	Molecular mechanisms by which marine phytoplankton respond to their dynamic chemical environment. 2015, 7, 325-40	14
121	Marine Biotoxins. 2015, 869-904	0
120	Screening the diatom <i>Nitzschia</i> sp. re-mutated by ¹³⁷ Cs-irradiation and optimizing growth conditions to increase lipid productivity. 2015, 27, 661-672	5
119	The expression of nitrate transporter genes reveals different nitrogen statuses of dominant diatom groups in the southern East China Sea. 2015, 24, 1374-86	11
118	Diatom acclimation to elevated CO ₂ via cAMP signalling and coordinated gene expression. 2015, 5, 761-765	57
117	The diatom molecular toolkit to handle nitrogen uptake. 2015, 24 Pt 1, 95-108	24
116	Whole-cell response to nitrogen deprivation in the diatom <i>Phaeodactylum tricornutum</i> . 2015, 66, 6281-96	147
115	Diversity and expression of diatom silicon transporter genes during a flood event in the East China Sea. 2015, 162, 1511-1522	2
114	Insights into possible cell-death markers in the diatom <i>Skeletonema marinoi</i> in response to senescence and silica starvation. 2015, 24 Pt 1, 81-8	22
113	Metatranscriptomes reveal functional variation in diatom communities from the Antarctic Peninsula. 2015, 9, 2275-89	36
112	Key genes as stress indicators in the ubiquitous diatom <i>Skeletonema marinoi</i> . 2015, 16, 411	29
111	Biomimetics and Marine Materials in Drug Delivery and Tissue Engineering. 2015, 1-24	
110	Transcriptome Analysis of <i>Scrippsiella trochoidea</i> CCMP 3099 Reveals Physiological Changes Related to Nitrate Depletion. 2016, 7, 639	26
109	Comparative Transcriptomic Analysis Reveals Novel Insights into the Adaptive Response of to Changing Ambient Phosphorus. 2016, 7, 1476	22
108	The evolution of silicon transporters in diatoms. 2016, 52, 716-731	27
107	Transcript level coordination of carbon pathways during silicon starvation-induced lipid accumulation in the diatom <i>Thalassiosira pseudonana</i> . 2016, 210, 890-904	47

106	Bridging the gap between omics and earth system science to better understand how environmental change impacts marine microbes. 2016 , 22, 61-75		44
105	Silica-Induced Protein (Sip) in Thermophilic Bacterium <i>Thermus thermophilus</i> Responds to Low Iron Availability. 2016 , 82, 3198-3207		4
104	Direct evidence of the molecular basis for biological silicon transport. 2016 , 7, 11926		25
103	Use of a lipid rich strain reveals mechanisms of nitrogen limitation and carbon partitioning in the haptophyte <i>Tisochrysis lutea</i> . <i>Algal Research</i> , 2016 , 20, 229-248	5	22
102	Biomimetics and Marine Materials in Drug Delivery and Tissue Engineering. 2016 , 521-544		2
101	Comprehensive metabolic reprogramming in freshwater <i>Nitzschia palea</i> strains undergoing nitrogen starvation is likely associated with its ecological origin. <i>Algal Research</i> , 2016 , 18, 116-126	5	11
100	Noncoding and coding transcriptome responses of a marine diatom to phosphate fluctuations. 2016 , 210, 497-510		58
99	Pan-transcriptomic analysis identifies coordinated and orthologous functional modules in the diatoms <i>Thalassiosira pseudonana</i> and <i>Phaeodactylum tricornutum</i> . 2016 , 26, 21-8		15
98	Iron. 2016 , 233-279		34
97	Silicification in the Microalgae. 2016 , 289-300		9
96	Biochemical Composition and Assembly of Biosilica-associated Insoluble Organic Matrices from the Diatom <i>Thalassiosira pseudonana</i> . 2016 , 291, 4982-97		43
95	Bioinformatics approaches to single-cell analysis in developmental biology. 2016 , 22, 182-92		15
94	Iron incorporation in biosilica of the marine diatom <i>Stephanopyxis turris</i> : dispersed or clustered?. 2017 , 30, 71-82		6
93	Responses of the marine diatom <i>Thalassiosira pseudonana</i> to changes in CO ₂ concentration: a proteomic approach. 2017 , 7, 42333		27
92	Clinical Applications of Biomaterials. 2017 ,		6
91	Application of Omics Approaches to Microbial Oceanography. 2017 , 223-233		1
90	Marine Microalgae: Systems Biology from Omics 2017 , 207-221		1
89	The Omics Dashboard for interactive exploration of gene-expression data. 2017 , 45, 12113-12124		28

88	Metacaspases and programmed cell death in <i>Skeletonema marinoi</i> in response to silicate limitation. 2017 , 39, 729-743	14
87	A role for the cell-wall protein silacidin in cell size of the diatom <i>Thalassiosira pseudonana</i> . 2017 , 11, 2452-2464	10
86	Diatom Frustule Morphogenesis and Function: a Multidisciplinary Survey. 2017 , 35, 1-18	50
85	Dynamic responses to silicon in <i>Thalassiosira pseudonana</i> - Identification, characterisation and classification of signature genes and their corresponding protein motifs. 2017 , 7, 4865	11
84	Probing the evolution, ecology and physiology of marine protists using transcriptomics. 2017 , 15, 6-20	107
83	Iron Availability Influences Silicon Isotope Fractionation in Two Southern Ocean Diatoms (<i>Proboscia inermis</i> and <i>Eucampia antarctica</i>) and a Coastal Diatom (<i>Thalassiosira pseudonana</i>). 2017 , 4,	7
82	All New Faces of Diatoms: Potential Source of Nanomaterials and Beyond. 2017 , 8, 1239	55
81	Diverse CO ₂ -Induced Responses in Physiology and Gene Expression among Eukaryotic Phytoplankton. 2017 , 8, 2547	21
80	Diatom performance in a future ocean: interactions between nitrogen limitation, temperature, and CO ₂ -induced seawater acidification. 2018 , 75, 1451-1464	22
79	Optically-derived estimates of phytoplankton size class and taxonomic group biomass in the Eastern Subarctic Pacific Ocean. 2018 , 136, 107-118	9
78	Effect of iron on the growth of <i>Phaeodactylum tricornutum</i> via photosynthesis. 2018 , 54, 34-43	14
77	Silicification process in diatom algae using different silicon chemical sources: Colloidal silicic acid interactions at cell surface. 2018 , 161, 620-627	7
76	Quantitative Proteomics Reveals Common and Specific Responses of a Marine Diatom to Different Macronutrient Deficiencies. 2018 , 9, 2761	20
75	Nitrogen Limitation of the Summer Phytoplankton and Heterotrophic Prokaryote Communities in the Chukchi Sea. 2018 , 5,	23
74	Marine Biominerals with a Biotechnological Future. 2018 , 855-912	1
73	Competition between Silicifiers and Non-silicifiers in the Past and Present Ocean and Its Evolutionary Impacts. 2018 , 5,	17
72	Grazer-induced transcriptomic and metabolomic response of the chain-forming diatom <i>Skeletonema marinoi</i> . 2018 , 12, 1594-1604	32
71	Control of biosilica morphology and mechanical performance by the conserved diatom gene. 2019 , 2, 245	25

70	Depth-dependent transcriptomic response of diatoms during spring bloom in the western subarctic Pacific Ocean. 2019 , 9, 14559		4
69	Transcriptomic responses of harmful dinoflagellate <i>Prorocentrum donghaiense</i> to nitrogen and light. 2019 , 149, 110617		4
68	<i>Phaeodactylum tricornutum</i> microalgae as a rich source of omega-3 oil: Progress in lipid induction techniques towards industry adoption. 2019 , 297, 124937		23
67	Quantitative Proteomic Analysis Reveals Novel Insights into Intracellular Silicate Stress-Responsive Mechanisms in the Diatom. 2019 , 20,		9
66	The Macromolecular Basis of Phytoplankton C:N:P Under Nitrogen Starvation. 2019 , 10, 763		34
65	Community-Level Responses to Iron Availability in Open Ocean Plankton Ecosystems. 2019 , 33, 391-419		42
64	Distinct genome-wide alternative polyadenylation during the response to silicon availability in the marine diatom <i>Thalassiosira pseudonana</i> . <i>Plant Journal</i> , 2019 , 99, 67-80	6.9	4
63	Reduction-dependent siderophore assimilation in a model pennate diatom. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , 2019 , 116, 23609-23617	11.5	27
62	Diversity and evolution of cytochromes P450 in stramenopiles. 2019 , 249, 647-661		9
61	Nutrient limitation driven dynamics of amino acids and fatty acids in coastal phytoplankton. 2019 , 64, 302-316		8
60	Chitin synthase localization in the diatom <i>Thalassiosira pseudonana</i> . 2020 , 2,		5
59	Metal binding ability of microbial natural metal chelators and potential applications. 2020 , 37, 1262-1283		25
58	De novo transcriptome of the diatom <i>Cylindrotheca closterium</i> identifies genes involved in the metabolism of anti-inflammatory compounds. 2020 , 10, 4138		17
57	Responses of triacylglycerol synthesis in <i>Skeletonema marinoi</i> to nitrogen and phosphate starvations. 2020 , 56, 1505-1520		1
56	Diatom Molecular Research Comes of Age: Model Species for Studying Phytoplankton Biology and Diversity. 2020 , 32, 547-572		45
55	Genome-wide identification of chitinase genes in <i>Thalassiosira pseudonana</i> and analysis of their expression under abiotic stresses. 2021 , 21, 87		3
54	The <i>Ulva prolifera</i> genome reveals the mechanism of green tides. 2021 , 39, 1458		1
53	Diatom Ecophysiology: Crossing Signals on the Road to Recovery from Nutrient Deprivation. 2021 , 31, R253-R254		1

52	Transcriptome responses of the dinoflagellate <i>Karenia mikimotoi</i> driven by nitrogen deficiency. 2021 , 103, 101977		2
51	Integrative omics identification, evolutionary and structural analysis of low affinity nitrate transporters in diatoms, diNPFs. 2021 , 11, 200395		2
50	Membrane filtration of manganese (II) remediated-microalgae: Manganese (II) removal, extracellular organic matter, and membrane fouling. <i>Algal Research</i> , 2021 , 55, 102279	5	2
49	Diel Transcriptional Oscillations of a Plastid Antiporter Reflect Increased Resilience of <i>Thalassiosira pseudonana</i> in Elevated CO ₂ . 2021 , 8,		0
48	Biochemical and Molecular Aspects of Phosphorus Limitation in Diatoms and Their Relationship with Biomolecule Accumulation. 2021 , 10,		2
47	Shedding light on biosilica morphogenesis by comparative analysis of the silica-associated proteomes from three diatom species.		0
46	Nanostructured Calcium Phosphates for Drug, Gene, DNA and Protein Delivery and as Anticancer Chemotherapeutic Devices. 2017 , 227-256		1
45	Silicon in life: whither biological silicification?. 2009 , 47, 173-84		22
44	Marine Structures as Templates for Biomaterials. <i>Springer Series in Biomaterials Science and Engineering</i> , 2014 , 391-414	0.6	9
43	Genomics of Marine Algae. 2010 , 179-211		2
42	An explorable public transcriptomics compendium for eukaryotic microalgae.		3
41	Iron bioavailability in the Southern Ocean. 2012 , 1-64		10
40	Characterization of the small RNA transcriptome of the diatom, <i>Thalassiosira pseudonana</i> . 2011 , 6, e22870		34
39	Transcriptomics responses in marine diatom <i>Thalassiosira pseudonana</i> exposed to the polycyclic aromatic hydrocarbon benzo[a]pyrene. 2011 , 6, e26985		47
38	Metabolic analysis of adaptation to short-term changes in culture conditions of the marine diatom <i>Thalassiosira pseudonana</i> . 2013 , 8, e67340		44
37	Deciphering diatom biochemical pathways via whole-cell proteomics. 2009 , 55, 241-253		39
36	RECENT ADVANCES ON CHARACTERIZATION OF THE PHYTOPLANKTONIC DISTRIBUTION IN THE SOUTH CHINA SEA. 2010 , 30, 133-142		3
35	Omics Enabled Microbial Sensors on Ocean Platforms. 2012 , 1-32		

34	A phosphate starvation response gene (psr1-like) is present and expressed in <i>Micromonas pusilla</i> and other marine algae.		
33	Marine Polymer-Gels' Relevance in the Atmosphere as Aerosols and CCN. 2021 , 7,		0
32	Exploring Omics Approaches: Towards understanding the essence of stress phenomena in diatoms and haptophytes. 2020 , 171-192		
31	A plastid antiporter as a bioindicator of <i>Thalassiosira pseudonana</i> resilience.		0
30	Metabolic stability of freshwater <i>Nitzschia palea</i> strains under silicon stress associated with triacylglycerol accumulation. <i>Algal Research</i> , 2021 , 60, 102554	5	
29	The Draft Genome of the Centric Diatom <i>Conticribra weissflogii</i> (Coscinodiscophyceae, Ochrophyta).. <i>Protist</i> , 2021 , 172, 125845	2.5	1
28	Biomaterials and Bioceramics Part 1: Traditional, Natural, and Nano. <i>Springer Series in Biomaterials Science and Engineering</i> , 2022 , 1-45	0.6	
27	Transcriptomic and metatranscriptomic approaches in phytoplankton: insights and advances. 2022 , 435-485		0
26	Palm Oil Mill Effluent for Lipid Production by the Diatom <i>Thalassiosira pseudonana</i> . <i>Fermentation</i> , 2022 , 8, 23	4.7	1
25	From genes to ecosystems: using molecular information from diatoms to understand ecological processes. 2022 , 487-529		1
24	Shedding light on silica biomineralization by comparative analysis of the silica-associated proteomes from three diatom species.. <i>Plant Journal</i> , 2022 ,	6.9	0
23	Table1.xlsx. 2017 ,		
22	Table2.xlsx. 2017 ,		
21	Table3.XLSX. 2017 ,		
20	Table4.csv. 2017 ,		
19	Table_1.DOCX. 2018 ,		
18	Table_2.DOCX. 2018 ,		
17	Table_3.XLSX. 2018 ,		

16	Table_4.XLSX. 2018,		
15	Table_5.DOCX. 2018,		
14	Image_1.JPEG. 2019,		
13	Image_2.JPEG. 2019,		
12	Table_1.DOCX. 2019,		
11	Silicic Acid Uptake and Storage by Diatoms. 2022, 345-365		
10	Biomolecules Involved in Frustule Biogenesis and Function. 2022, 313-343		1
9	Comparative and Functional Genomics of Macronutrient Utilization in Marine Diatoms. 2022, 529-566		
8	The Molecular Genetics of Microbial Biomineralization. <i>Microbiology Monographs</i> , 2022, 87-123	0.8	
7	Structure and Evolution of Diatom Nuclear Genes and Genomes. 2022, 111-145		
6	The in-situ release of algal bloom populations and the role of prokaryotic communities in their establishment and growth. <i>Water Research</i> , 2022, 118565	12.5	1
5	The dynamic response to hypoosmotic stress reveals distinct stages of freshwater acclimation by a euryhaline diatom.		0
4	Iron-Marine Algal Interactions and Impacts: Decreasing Global Warming by Increasing Algal Biomass. 2022, 14, 10372		
3	Computational modelling of diatom silicic acid transporters predicts a conserved fold with implications for their function and evolution. 2022, 184056		0
2	The dynamic response to hypoosmotic stress reveals distinct stages of freshwater acclimation by a euryhaline diatom.		0
1	Bioaccumulation of Titanium in diatom <i>Cyclotella atomus</i> Hust.		0