

Kimberlee Thamatrakoln

List of Publications by Year in descending order

Source: <https://exaly.com/author-pdf/6237902/publications.pdf>

Version: 2024-02-01

30
papers

3,249
citations

361413

20
h-index

477307

29
g-index

39
all docs

39
docs citations

39
times ranked

4010
citing authors

#	ARTICLE	IF	CITATIONS
1	From genes to ecosystems: using molecular information from diatoms to understand ecological processes. , 2022, , 487-529.		1
2	Diminished carbon and nitrate assimilation drive changes in diatom elemental stoichiometry independent of silicification in an iron-limited assemblage. ISME Communications, 2022, 2, .	4.2	6
3	Virus-induced spore formation as a defense mechanism in marine diatoms. New Phytologist, 2021, 229, 2251-2259.	7.3	24
4	Diatom Ecophysiology: Crossing Signals on the Road to Recovery from Nutrient Deprivation. Current Biology, 2021, 31, R253-R254.	3.9	3
5	Impaired viral infection and reduced mortality of diatoms in iron-limited oceanic regions. Nature Geoscience, 2021, 14, 231-237.	12.9	17
6	Diatom response to alterations in upwelling and nutrient dynamics associated with climate forcing in the California Current System. Limnology and Oceanography, 2021, 66, 1578-1593.	3.1	12
7	Temperate infection in a virus-host system previously known for virulent dynamics. Nature Communications, 2020, 11, 4626.	12.8	28
8	The interaction of physical and biological factors drives phytoplankton spatial distribution in the northern California Current. Limnology and Oceanography, 2020, 65, 1974-1989.	3.1	5
9	Silicon limitation facilitates virus infection and mortality of marine diatoms. Nature Microbiology, 2019, 4, 1790-1797.	13.3	64
10	Light regulation of coccolithophore host-virus interactions. New Phytologist, 2019, 221, 1289-1302.	7.3	29
11	Coccolithovirus facilitation of carbon export in the North Atlantic. Nature Microbiology, 2018, 3, 537-547.	13.3	114
12	Interrogating marine virus-host interactions and elemental transfer with BONCAT and nanoSIMS-based methods. Environmental Microbiology, 2018, 20, 671-692.	3.8	53
13	Different iron storage strategies among bloom-forming diatoms. Proceedings of the National Academy of Sciences of the United States of America, 2018, 115, E12275-E12284.	7.1	61
14	Divergent gene expression among phytoplankton taxa in response to upwelling. Environmental Microbiology, 2018, 20, 3069-3082.	3.8	34
15	Diatom Transcriptional and Physiological Responses to Changes in Iron Bioavailability across Ocean Provinces. Frontiers in Marine Science, 2017, 4, .	2.5	55
16	The multiple fates of sinking particles in the North Atlantic Ocean. Global Biogeochemical Cycles, 2015, 29, 1471-1494.	4.9	76
17	Death-specific protein in a marine diatom regulates photosynthetic responses to iron and light availability. Proceedings of the National Academy of Sciences of the United States of America, 2013, 110, 20123-20128.	7.1	43
18	Expression, Purification, and Reconstitution of a Diatom Silicon Transporter. Biochemistry, 2012, 51, 3776-3785.	2.5	31

#	ARTICLE	IF	CITATIONS
19	Whole-genome expression analysis reveals a role for death-related genes in stress acclimation of the diatom <i>Thalassiosira pseudonana</i> . <i>Environmental Microbiology</i> , 2012, 14, 67-81.	3.8	80
20	Correction: Diatom genomes come of age. <i>Genome Biology</i> , 2010, 11, 401.	9.6	0
21	When to say when: can excessive drinking explain silicon uptake in diatoms?. <i>BioEssays</i> , 2009, 31, 322-327.	2.5	26
22	Diatom genomes come of age. <i>Genome Biology</i> , 2008, 9, 245.	9.6	25
23	Silicon Uptake in Diatoms Revisited: A Model for Saturable and Nonsaturable Uptake Kinetics and the Role of Silicon Transporters. <i>Plant Physiology</i> , 2008, 146, 1397-1407.	4.8	165
24	Analysis of <i>Thalassiosira pseudonana</i> Silicon Transporters Indicates Distinct Regulatory Levels and Transport Activity through the Cell Cycle. <i>Eukaryotic Cell</i> , 2007, 6, 271-279.	3.4	92
25	IDENTIFICATION AND COMPARATIVE GENOMIC ANALYSIS OF SIGNALING AND REGULATORY COMPONENTS IN THE DIATOM <i>THALASSIOSIRA PSEUDONANA</i> . <i>Journal of Phycology</i> , 2007, 43, 585-604.	2.3	87
26	COMPARATIVE SEQUENCE ANALYSIS OF DIATOM SILICON TRANSPORTERS: TOWARD A MECHANISTIC MODEL OF SILICON TRANSPORT. <i>Journal of Phycology</i> , 2006, 42, 822-834.	2.3	86
27	Approaches for Functional Characterization of Diatom Silicic Acid Transporters. <i>Journal of Nanoscience and Nanotechnology</i> , 2005, 5, 158-166.	0.9	17
28	The Genome of the Diatom <i>Thalassiosira Pseudonana</i> : Ecology, Evolution, and Metabolism. <i>Science</i> , 2004, 306, 79-86.	12.6	1,862
29	Functional Domains and DNA-binding Sequences of RFLAT-1/KLF13, a Krüppel-like Transcription Factor of Activated T Lymphocytes. <i>Journal of Biological Chemistry</i> , 2002, 277, 30055-30065.	3.4	49
30	RFLAT-1. <i>Immunity</i> , 1999, 10, 93-103.	14.3	101