

# 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	The Genome of the Diatom <i>Thalassiosira Pseudonana</i> : Ecology, Evolution, and Metabolism. <i>Science</i> , 2004, 306, 79-86.	12.6	1,862
2	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
3	Coccolithovirus facilitation of carbon export in the North Atlantic. <i>Nature Microbiology</i> , 2018, 3, 537-547.	13.3	114
4	RFLAT-1. <i>Immunity</i> , 1999, 10, 93-103.	14.3	101
5	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
6	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
7	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
8	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
9	The multiple fates of sinking particles in the North Atlantic Ocean. <i>Global Biogeochemical Cycles</i> , 2015, 29, 1471-1494.	4.9	76
10	Silicon limitation facilitates virus infection and mortality of marine diatoms. <i>Nature Microbiology</i> , 2019, 4, 1790-1797.	13.3	64
11	Different iron storage strategies among bloom-forming diatoms. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , 2018, 115, E12275-E12284.	7.1	61
12	Diatom Transcriptional and Physiological Responses to Changes in Iron Bioavailability across Ocean Provinces. <i>Frontiers in Marine Science</i> , 2017, 4, .	2.5	55
13	Interrogating marine virus-host interactions and elemental transfer with BONCAT and nanoSIMS-based methods. <i>Environmental Microbiology</i> , 2018, 20, 671-692.	3.8	53
14	Functional Domains and DNA-binding Sequences of RFLAT-1/KLF13, a KrÄ¼ppel-like Transcription Factor of Activated T Lymphocytes. <i>Journal of Biological Chemistry</i> , 2002, 277, 30055-30065.	3.4	49
15	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, 20123-20128.	7.1	43
16	Divergent gene expression among phytoplankton taxa in response to upwelling. <i>Environmental Microbiology</i> , 2018, 20, 3069-3082.	3.8	34
17	Expression, Purification, and Reconstitution of a Diatom Silicon Transporter. <i>Biochemistry</i> , 2012, 51, 3776-3785.	2.5	31
18	Light regulation of coccolithophore host-virus interactions. <i>New Phytologist</i> , 2019, 221, 1289-1302.	7.3	29

#	ARTICLE	IF	CITATIONS
19	Temperate infection in a virus-host system previously known for virulent dynamics. <i>Nature Communications</i> , 2020, 11, 4626.	12.8	28
20	When to say when: can excessive drinking explain silicon uptake in diatoms?. <i>BioEssays</i> , 2009, 31, 322-327.	2.5	26
21	Diatom genomes come of age. <i>Genome Biology</i> , 2008, 9, 245.	9.6	25
22	Virus-induced spore formation as a defense mechanism in marine diatoms. <i>New Phytologist</i> , 2021, 229, 2251-2259.	7.3	24
23	Approaches for Functional Characterization of Diatom Silicic Acid Transporters. <i>Journal of Nanoscience and Nanotechnology</i> , 2005, 5, 158-166.	0.9	17
24	Impaired viral infection and reduced mortality of diatoms in iron-limited oceanic regions. <i>Nature Geoscience</i> , 2021, 14, 231-237.	12.9	17
25	Diatom response to alterations in upwelling and nutrient dynamics associated with climate forcing in the California Current System. <i>Limnology and Oceanography</i> , 2021, 66, 1578-1593.	3.1	12
26	Diminished carbon and nitrate assimilation drive changes in diatom elemental stoichiometry independent of silicification in an iron-limited assemblage. <i>ISME Communications</i> , 2022, 2, .	4.2	6
27	The interaction of physical and biological factors drives phytoplankton spatial distribution in the northern California Current. <i>Limnology and Oceanography</i> , 2020, 65, 1974-1989.	3.1	5
28	Diatom Ecophysiology: Crossing Signals on the Road to Recovery from Nutrient Deprivation. <i>Current Biology</i> , 2021, 31, R253-R254.	3.9	3
29	From genes to ecosystems: using molecular information from diatoms to understand ecological processes. , 2022, , 487-529.		1
30	Correction: Diatom genomes come of age. <i>Genome Biology</i> , 2010, 11, 401.	9.6	0