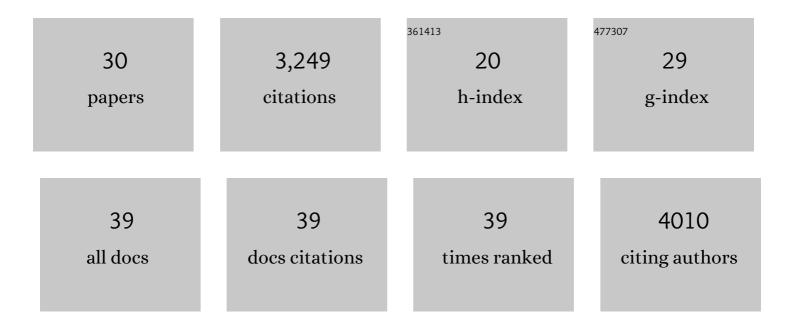
## Kimberlee Thamatrakoln

List of Publications by Year in descending order

Source: https://exaly.com/author-pdf/6237902/publications.pdf Version: 2024-02-01



#	Article	IF	CITATIONS
1	The Genome of the Diatom Thalassiosira Pseudonana: Ecology, Evolution, and Metabolism. Science, 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. Plant Physiology, 2008, 146, 1397-1407.	4.8	165
3	Coccolithovirus facilitation of carbon export in the North Atlantic. Nature Microbiology, 2018, 3, 537-547.	13.3	114
4	RFLAT-1. Immunity, 1999, 10, 93-103.	14.3	101
5	Analysis of Thalassiosira pseudonana Silicon Transporters Indicates Distinct Regulatory Levels and Transport Activity through the Cell Cycle. Eukaryotic Cell, 2007, 6, 271-279.	3.4	92
6	IDENTIFICATION AND COMPARATIVE GENOMIC ANALYSIS OF SIGNALING AND REGULATORY COMPONENTS IN THE DIATOMTHALASSIOSIRA PSEUDONANA. Journal of Phycology, 2007, 43, 585-604.	2.3	87
7	COMPARATIVE SEQUENCE ANALYSIS OF DIATOM SILICON TRANSPORTERS: TOWARD A MECHANISTIC MODEL OF SILICON TRANSPORT. Journal of Phycology, 2006, 42, 822-834.	2.3	86
8	Wholeâ€genome expression analysis reveals a role for deathâ€related genes in stress acclimation of the diatom <i>Thalassiosira pseudonana</i> . Environmental Microbiology, 2012, 14, 67-81.	3.8	80
9	The multiple fates of sinking particles in the North Atlantic Ocean. Global Biogeochemical Cycles, 2015, 29, 1471-1494.	4.9	76
10	Silicon limitation facilitates virus infection and mortality of marine diatoms. Nature Microbiology, 2019, 4, 1790-1797.	13.3	64
11	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
12	Diatom Transcriptional and Physiological Responses to Changes in Iron Bioavailability across Ocean Provinces. Frontiers in Marine Science, 2017, 4, .	2.5	55
13	Interrogating marine virusâ€host interactions and elemental transfer with BONCAT and nanoSIMSâ€based methods. Environmental Microbiology, 2018, 20, 671-692.	3.8	53
14	Functional Domains and DNA-binding Sequences of RFLAT-1/KLF13, a Krüppel-like Transcription Factor of Activated T Lymphocytes. Journal of Biological Chemistry, 2002, 277, 30055-30065.	3.4	49
15	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
16	Divergent gene expression among phytoplankton taxa in response to upwelling. Environmental Microbiology, 2018, 20, 3069-3082.	3.8	34
17	Expression, Purification, and Reconstitution of a Diatom Silicon Transporter. Biochemistry, 2012, 51, 3776-3785.	2.5	31
18	Light regulation of coccolithophore host–virus interactions. New Phytologist, 2019, 221, 1289-1302.	7.3	29

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#	ARTICLE	IF	CITATIONS
19	Temperate infection in a virus–host system previously known for virulent dynamics. Nature Communications, 2020, 11, 4626.	12.8	28
20	When to say when: can excessive drinking explain silicon uptake in diatoms?. BioEssays, 2009, 31, 322-327.	2.5	26
21	Diatom genomes come of age. Genome Biology, 2008, 9, 245.	9.6	25
22	Virusâ€induced spore formation as a defense mechanism in marine diatoms. New Phytologist, 2021, 229, 2251-2259.	7.3	24
23	Approaches for Functional Characterization of Diatom Silicic Acid Transporters. Journal of Nanoscience and Nanotechnology, 2005, 5, 158-166.	0.9	17
24	Impaired viral infection and reduced mortality of diatoms in iron-limited oceanic regions. Nature Geoscience, 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. Limnology and Oceanography, 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. ISME Communications, 2022, 2, .	4.2	6
27	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
28	Diatom Ecophysiology: Crossing Signals on the Road to Recovery from Nutrient Deprivation. Current Biology, 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. Genome Biology, 2010, 11, 401.	9.6	0