

Sarah R Smith

List of Publications by Year in descending order

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Version: 2024-02-01

17
papers

2,503
citations

623734

14
h-index

888059

17
g-index

20
all docs

20
docs citations

20
times ranked

3338
citing authors

#	ARTICLE	IF	CITATIONS
1	Diploid genomic architecture of <i>Nitzschia inconspicua</i> , an elite biomass production diatom. <i>Scientific Reports</i> , 2021, 11, 15592.	3.3	12
2	The Importance of Protein Phosphorylation for Signaling and Metabolism in Response to Diel Light Cycling and Nutrient Availability in a Marine Diatom. <i>Biology</i> , 2020, 9, 155.	2.8	4
3	Evolution and regulation of nitrogen flux through compartmentalized metabolic networks in a marine diatom. <i>Nature Communications</i> , 2019, 10, 4552.	12.8	116
4	Cross-compartment metabolic coupling enables flexible photoprotective mechanisms in the diatom <i>Phaeodactylum tricornutum</i> . <i>New Phytologist</i> , 2019, 222, 1364-1379.	7.3	54
5	Clarification of Photorespiratory Processes and the Role of Malic Enzyme in Diatoms. <i>Protist</i> , 2017, 168, 134-153.	1.5	40
6	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.	6.6	102
7	Probing the evolution, ecology and physiology of marine protists using transcriptomics. <i>Nature Reviews Microbiology</i> , 2017, 15, 6-20.	28.6	176
8	Transcript level coordination of carbon pathways during silicon starvation-induced lipid accumulation in the diatom <i>Thalassiosira pseudonana</i> . <i>New Phytologist</i> , 2016, 210, 890-904.	7.3	82
9	Genome and methylome of the oleaginous diatom <i>Cyclotella cryptica</i> reveal genetic flexibility toward a high lipid phenotype. <i>Biotechnology for Biofuels</i> , 2016, 9, 258.	6.2	87
10	Applications of Imaging Flow Cytometry for Microalgae. <i>Methods in Molecular Biology</i> , 2016, 1389, 47-67.	0.9	16
11	Transcriptional Orchestration of the Global Cellular Response of a Model Pennate Diatom to Diel Light Cycling under Iron Limitation. <i>PLoS Genetics</i> , 2016, 12, e1006490.	3.5	129
12	Successful Diatom Transcription Factor Synthesis and Downstream Cloning Using the BioXp ₃₂₀₀ System. <i>BioTechniques</i> , 2015, 59, 46-47.	1.8	0
13	The Marine Microbial Eukaryote Transcriptome Sequencing Project (MMETSP): Illuminating the Functional Diversity of Eukaryotic Life in the Oceans through Transcriptome Sequencing. <i>PLoS Biology</i> , 2014, 12, e1001889.	5.6	885
14	Metabolic and cellular organization in evolutionarily diverse microalgae as related to biofuels production. <i>Current Opinion in Chemical Biology</i> , 2013, 17, 506-514.	6.1	83
15	Metabolic engineering of lipid catabolism increases microalgal lipid accumulation without compromising growth. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , 2013, 110, 19748-19753.	7.1	377
16	The place of diatoms in the biofuels industry. <i>Biofuels</i> , 2012, 3, 221-240.	2.4	229
17	Comparative analysis of diatom genomes reveals substantial differences in the organization of carbon partitioning pathways. <i>Algal Research</i> , 2012, 1, 2-16.	4.6	104