

Jodi N Young

List of Publications by Year in descending order

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Version: 2024-02-01

18
papers

939
citations

687363

13
h-index

940533

16
g-index

20
all docs

20
docs citations

20
times ranked

1175
citing authors

#	ARTICLE	IF	CITATIONS
1	Resurrected Rubisco suggests uniform carbon isotope signatures over geologic time. <i>Cell Reports</i> , 2022, 39, 110726.	6.4	18
2	Large Diversity in Nitrogen- and Sulfur-Containing Compatible Solute Profiles in Polar and Temperate Diatoms. <i>Integrative and Comparative Biology</i> , 2020, 60, 1401-1413.	2.0	10
3	It's what's inside that matters: physiological adaptations of high-latitude marine microalgae to environmental change. <i>New Phytologist</i> , 2020, 227, 1307-1318.	7.3	17
4	Potential of temperature- and salinity-driven shifts in diatom compatible solute concentrations to impact biogeochemical cycling within sea ice. <i>Elementa</i> , 2020, 8, .	3.2	17
5	Use of exogenous glycine betaine and its precursor choline as osmoprotectants in Antarctic sea-ice diatoms. <i>Journal of Phycology</i> , 2019, 55, 663-675.	2.3	26
6	The potential for co-evolution of CO ₂ -concentrating mechanisms and Rubisco in diatoms. <i>Journal of Experimental Botany</i> , 2017, 68, 3751-3762.	4.8	41
7	The role of Rubisco kinetics and pyrenoid morphology in shaping the CCM of haptophyte microalgae. <i>Journal of Experimental Botany</i> , 2017, 68, 3959-3969.	4.8	54
8	The Role of Exopolysaccharides in Microbial Adaptation to Cold Habitats. , 2017, , 259-284.		32
9	Rubisco Extraction and Purification from Diatoms. <i>Bio-protocol</i> , 2017, 7, e2191.	0.4	0
10	Large variation in the Rubisco kinetics of diatoms reveals diversity among their carbon-concentrating mechanisms. <i>Journal of Experimental Botany</i> , 2016, 67, 3445-3456.	4.8	176
11	Low temperature reduces the energetic requirement for the CO ₂ concentrating mechanism in diatoms. <i>New Phytologist</i> , 2015, 205, 192-201.	7.3	54
12	Slow carboxylation of Rubisco constrains the rate of carbon fixation during Antarctic phytoplankton blooms. <i>New Phytologist</i> , 2015, 205, 172-181.	7.3	93
13	Gross and net production during the spring bloom along the Western Antarctic Peninsula. <i>New Phytologist</i> , 2015, 205, 182-191.	7.3	45
14	Metabolic balance of coastal Antarctic waters revealed by autonomous CO ₂ and ¹⁸ O ₂ /Ar measurements. <i>Geophysical Research Letters</i> , 2014, 41, 6803-6810.	4.0	58
15	The Minimal CO ₂ -Concentrating Mechanism of <i>Prochlorococcus</i> spp. MED4 Is Effective and Efficient. <i>Plant Physiology</i> , 2014, 166, 2205-2217.	4.8	35
16	Rubisco is a small fraction of total protein in marine phytoplankton. <i>New Phytologist</i> , 2013, 198, 52-58.	7.3	120
17	Evidence for changes in carbon isotopic fractionation by phytoplankton between 1960 and 2010. <i>Global Biogeochemical Cycles</i> , 2013, 27, 505-515.	4.9	31
18	Adaptive signals in algal Rubisco reveal a history of ancient atmospheric carbon dioxide. <i>Philosophical Transactions of the Royal Society B: Biological Sciences</i> , 2012, 367, 483-492.	4.0	102