Jodi N Young

List of Publications by Year
in descending order

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	Large variation in the Rubisco kinetics of diatoms reveals diversity among their carbon-concentrating mechanisms. Journal of Experimental Botany, 2016, 67, 3445-3456.	4.8	176
2	Rubisco is a small fraction of total protein in marine phytoplankton. New Phytologist, 2013, 198, 52-58.	7.3	120
3	Adaptive signals in algal Rubisco reveal a history of ancient atmospheric carbon dioxide. Philosophical Transactions of the Royal Society B: Biological Sciences, 2012, 367, 483-492.	4.0	102
4	Slow carboxylation of <scp>R</scp>ubisco constrains the rate of carbon fixation during <scp>A</scp>ntarctic phytoplankton blooms. New Phytologist, 2015, 205, 172-181.	7.3	93
5	Metabolic balance of coastal Antarctic waters revealed by autonomous pCO₂ and Î”O₂/Ar measurements. Geophysical Research Letters, 2014, 41, 6803-6810.	4.0	58
6	Low temperature reduces the energetic requirement for the <scp>CO</scp>₂ concentrating mechanism in diatoms. New Phytologist, 2015, 205, 192-201.	7.3	54
7	The role of Rubisco kinetics and pyrenoid morphology in shaping the CCM of haptophyte microalgae. Journal of Experimental Botany, 2017, 68, 3959-3969.	4.8	54
8	Gross and net production during the spring bloom along the <scp>W</scp>estern <scp>A</scp>ntarctic <scp>P</scp>eninsula. New Phytologist, 2015, 205, 182-191.	7.3	45
9	The potential for co-evolution of CO2-concentrating mechanisms and Rubisco in diatoms. Journal of Experimental Botany, 2017, 68, 3751-3762.	4.8	41
10	The Minimal CO₂-Concentrating Mechanism of Prochlorococcus spp. MED4 Is Effective and Efficient. Plant Physiology, 2014, 166, 2205-2217.	4.8	35
11	The Role of Exopolysaccharides in Microbial Adaptation to Cold Habitats. , 2017, , 259-284.		32
12	Evidence for changes in carbon isotopic fractionation by phytoplankton between 1960 and 2010. Global Biogeochemical Cycles, 2013, 27, 505-515.	4.9	31
13	Use of exogenous glycine betaine and its precursor choline as osmoprotectants in Antarctic seaâ€ice diatoms¹. Journal of Phycology, 2019, 55, 663-675.	2.3	26
14	Resurrected Rubisco suggests uniform carbon isotope signatures over geologic time. Cell Reports, 2022, 39, 110726.	6.4	18
15	It's what's inside that matters: physiological adaptations of highâ€latitude marine microalgae to environmental change. New Phytologist, 2020, 227, 1307-1318.	7.3	17
16	Potential of temperature- and salinity-driven shifts in diatom compatible solute concentrations to impact biogeochemical cycling within sea ice. Elementa, 2020, 8, .	3.2	17
17	Large Diversity in Nitrogen- and Sulfur-Containing Compatible Solute Profiles in Polar and Temperate Diatoms. Integrative and Comparative Biology, 2020, 60, 1401-1413.	2.0	10
18	Rubisco Extraction and Purification from Diatoms. Bio-protocol, 2017, 7, e2191.	0.4	0