Wendy M Schluchter

List of Publications by Year
in descending order

18	675	759233 12	839539 18
papers	citations	h-index	g-index

18	18	18	334
all docs	docs citations	times ranked	citing authors

#	Article	IF	Citations
1	Identification and Characterization of a New Class of Bilin Lyase. Journal of Biological Chemistry, 2006, 281, 17768-17778.	3.4	87
2	Biogenesis of Phycobiliproteins. Journal of Biological Chemistry, 2008, 283, 7503-7512.	3.4	87
3	Biosynthesis of Cyanobacterial Phycobiliproteins in Escherichia coli : Chromophorylation Efficiency and Specificity of All Bilin Lyases from Synechococcus sp. Strain PCC 7002. Applied and Environmental Microbiology, 2010, 76, 2729-2739.	3.1	70
4	Phycoerythrin-specific bilin lyaseâ€“isomerase controls blue-green chromatic acclimation in marine Synechococcus. Proceedings of the National Academy of Sciences of the United States of America, 2012, 109, 20136-20141.	7.1	64
5	Biogenesis of Phycobiliproteins. Journal of Biological Chemistry, 2008, 283, 7513-7522.	3.4	62
6	Phycobiliprotein Biosynthesis in Cyanobacteria: Structure and Function of Enzymes Involved in Post-translational Modification. Advances in Experimental Medicine and Biology, 2010, 675, 211-228.	1.6	58
7	Characterization of the Activities of the CpeY, CpeZ, and CpeS Bilin Lyases in Phycoerythrin Biosynthesis in Fremyella diplosiphon Strain UTEX 481. Journal of Biological Chemistry, 2011, 286, 35509-35521.	3.4	40
8	Self-regulating genomic island encoding tandem regulators confers chromatic acclimation to marine Synechococcus. Proceedings of the National Academy of Sciences of the United States of America, 2016, 113, 6077-6082.	7.1	37
9	CyanoLyase: a database of phycobilin lyase sequences, motifs and functions. Nucleic Acids Research, 2012, 41, D396-D401.	14.5	32
10	Structural and Biochemical Characterization of the Bilin Lyase CpcS from Thermosynechococcus elongatus. Biochemistry, 2013, 52, 8663-8676.	2.5	29
11	Adaptation to Blue Light in Marine Synechococcus Requires MpeU, an Enzyme with Similarity to Phycoerythrobilin Lyase Isomerases. Frontiers in Microbiology, 2017, 8, 243.	3.5	25
12	Interplay between differentially expressed enzymes contributes to light color acclimation in marine Synechococcus. Proceedings of the National Academy of Sciences of the United States of America, 2019, 116, 6457-6462.	7.1	25
13	CpeF is the bilin lyase that ligates the doubly linked phycoerythrobilin on Î²-phycoerythrin in the cyanobacterium Fremyella diplosiphon. Journal of Biological Chemistry, 2019, 294, 3987-3999.	3.4	16
14	Molecular bases of an alternative dual-enzyme system for light color acclimation of marineSynechococcuscyanobacteria. Proceedings of the National Academy of Sciences of the United States of America, 2021, 118, .	7.1	16
15	The roles of the chaperone-like protein CpeZ and the phycoerythrobilin lyase CpeY in phycoerythrin biogenesis. Biochimica Et Biophysica Acta - Bioenergetics, 2019, 1860, 549-561.	1.0	9
16	MpeV is a lyase isomerase that ligates a doubly linked phycourobilin on the Î²-subunit of phycoerythrin I and II in marine Synechococcus. Journal of Biological Chemistry, 2021, 296, 100031.	3.4	9
17	CpeY is a phycoerythrobilin lyase for cysteine 82 of the phycoerythrin I Î±-subunit in marine Synechococcus. Biochimica Et Biophysica Acta - Bioenergetics, 2020, 1861, 148215.	1.0	5
18	Crystal structure and molecular mechanism of an E/F type bilin lyase-isomerase. Structure, 2022, 30, 564-574.e3.	3.3	4