

Wendy M Schluchter

List of Publications by Year in descending order

Source: <https://exaly.com/author-pdf/7988575/publications.pdf>

Version: 2024-02-01

18
papers

675
citations

759233

12
h-index

839539

18
g-index

18
all docs

18
docs citations

18
times ranked

334
citing authors

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