Hanna Michlits

List of Publications by Year
in descending order

11	222	1163117 8	1372567 10
papers	citations	h-index	g-index

11	11	11	158
all docs	docs citations	times ranked	citing authors

#	Article	IF	Citations
1	Roles of distal aspartate and arginine of B-class dye-decolorizing peroxidase in heterolytic hydrogen peroxide cleavage. Journal of Biological Chemistry, 2018, 293, 14823-14838.	3.4	41
2	X-rayâ€“induced photoreduction of heme metal centers rapidly induces active-site perturbations in a protein-independent manner. Journal of Biological Chemistry, 2020, 295, 13488-13501.	3.4	33
3	Coproheme decarboxylases - Phylogenetic prediction versus biochemical experiments. Archives of Biochemistry and Biophysics, 2018, 640, 27-36.	3.0	30
4	Redox Cofactor Rotates during Its Stepwise Decarboxylation: Molecular Mechanism of Conversion of Coproheme to Heme b. ACS Catalysis, 2019, 9, 6766-6782.	11.2	28
5	Understanding molecular enzymology of porphyrin-binding Î±Â+ÂÎ² barrel proteins - One fold, multiple functions. Biochimica Et Biophysica Acta - Proteins and Proteomics, 2021, 1869, 140536.	2.3	24
6	The hydrogen bonding network of coproheme in coproheme decarboxylase from Listeria monocytogenes: Effect on structure and catalysis. Journal of Inorganic Biochemistry, 2019, 195, 61-70.	3.5	19
7	Actinobacterial Coproheme Decarboxylases Use Histidine as a Distal Base to Promote Compound I Formation. ACS Catalysis, 2020, 10, 5405-5418.	11.2	19
8	Reaction intermediate rotation during the decarboxylation of coproheme to heme b in C.Âdiphtheriae. Biophysical Journal, 2021, 120, 3600-3614.	0.5	12
9	An active site at work â€“ the role of key residues in C. diphteriae coproheme decarboxylase. Journal of Inorganic Biochemistry, 2022, 229, 111718.	3.5	9
10	Spectroscopic evidence of the effect of hydrogen peroxide excess on the coproheme decarboxylase from actinobacterial <scp> Corynebacterium diphtheriae </scp>. Journal of Raman Spectroscopy, 0, , .	2.5	4
11	Initial Steps to Engineer Coproheme Decarboxylase to Obtain Stereospecific Monovinyl, Monopropionyl Deuterohemes. Frontiers in Bioengineering and Biotechnology, 2021, 9, 807678.	4.1	3