

Michael K Fenwick

List of Publications by Year in descending order

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Version: 2024-02-01

14
papers

267
citations

1163117

8
h-index

1058476

14
g-index

14
all docs

14
docs citations

14
times ranked

359
citing authors

#	ARTICLE	IF	CITATIONS
1	Structural studies of viperin, an antiviral radical SAM enzyme. Proceedings of the National Academy of Sciences of the United States of America, 2017, 114, 6806-6811.	7.1	69
2	Organometallic and radical intermediates reveal mechanism of diphthamide biosynthesis. Science, 2018, 359, 1247-1250.	12.6	48
3	Structural Basis of the Substrate Selectivity of Viperin. Biochemistry, 2020, 59, 652-662.	2.5	28
4	Anaerobic 5-Hydroxybenzimidazole Formation from Aminoimidazole Ribotide: An Unanticipated Intersection of Thiamin and Vitamin B ₁₂ Biosynthesis. Journal of the American Chemical Society, 2015, 137, 10444-10447.	13.7	27
5	Non-canonical active site architecture of the radical SAM thiamin pyrimidine synthase. Nature Communications, 2015, 6, 6480.	12.8	26
6	Toxoflavin Lyase Requires a Novel 1-His-2-Carboxylate Facial Triad,. Biochemistry, 2011, 50, 1091-1100.	2.5	13
7	<i>Burkholderia glumae</i> ToxA Is a Dual-Specificity Methyltransferase That Catalyzes the Last Two Steps of Toxoflavin Biosynthesis. Biochemistry, 2016, 55, 2748-2759.	2.5	13
8	Crystal Structures of the Iron-Sulfur Cluster-Dependent Quinolinate Synthase in Complex with Dihydroxyacetone Phosphate, Iminoaspartate Analogues, and Quinolinate. Biochemistry, 2016, 55, 4135-4139.	2.5	13
9	Towards the structural characterization of the human methyltransferase. Current Opinion in Structural Biology, 2018, 53, 12-21.	5.7	7
10	The Crystal Structure of Dph2 in Complex with Elongation Factor 2 Reveals the Structural Basis for the First Step of Diphthamide Biosynthesis. Biochemistry, 2019, 58, 4343-4351.	2.5	7
11	Dph3 Enables Aerobic Diphthamide Biosynthesis by Donating One Iron Atom to Transform a [3Fe-S ₄] to a [4Fe-S ₄] Cluster in Dph1-Dph2. Journal of the American Chemical Society, 2021, 143, 9314-9319.	13.7	7
12	Biochemical Characterization and Structural Basis of Reactivity and Regioselectivity Differences between <i>Burkholderia thailandensis</i> and <i>Burkholderia glumae</i> 1,6-Didesmethyltoxoflavin N-Methyltransferase. Biochemistry, 2017, 56, 3934-3944.	2.5	4
13	Structural basis of elongation factor 2 switching. Current Research in Structural Biology, 2020, 2, 25-34.	2.2	3
14	Characterization of Glucokinases from Pathogenic Free-Living Amoebae. Antimicrobial Agents and Chemotherapy, 2022, 66, .	3.2	2