

Nathan A Bruender

List of Publications by Year in descending order

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citing authors

#	ARTICLE	IF	CITATIONS
1	The Investigation on the Effect Asn123Gly mutation in the Enzyme Pyrroline-5-Carboxylate Reductase. FASEB Journal, 2022, 36, .	0.2	0
2	Crystal structure of AdoMet radical enzyme 7-Deazaguanine synthase from <i>Escherichia coli</i> suggests how modifications near [4Fe-4S] cluster engender flavodoxin specificity. Protein Science, 2019, 28, 202-215.	3.1	11
3	A Radical Intermediate in <i>Bacillus subtilis</i> QueE during Turnover with the Substrate Analogue 6-Carboxypterin. Journal of the American Chemical Society, 2018, 140, 1753-1759.	6.6	15
4	Structural and spectroscopic analyses of the sporulation killing factor biosynthetic enzyme SkfB, a bacterial AdoMet radical sactisynthase. Journal of Biological Chemistry, 2018, 293, 17349-17361.	1.6	43
5	A Radical Clock Probe Uncouples H Atom Abstraction from Thioether Cross-Link Formation by the Radical <i>S</i> -Adenosyl-methionine Enzyme SkfB. Biochemistry, 2018, 57, 4816-4823.	1.2	19
6	QueE: A Radical SAM Enzyme Involved in the Biosynthesis of 7-Deazapurine Containing Natural Products. Methods in Enzymology, 2018, 606, 95-118.	0.4	6
7	The Creatininase Homolog MftE from <i>Mycobacterium smegmatis</i> Catalyzes a Peptide Cleavage Reaction in the Biosynthesis of a Novel Ribosomally Synthesized Post-translationally Modified Peptide (RiPP). Journal of Biological Chemistry, 2017, 292, 4371-4381.	1.6	14
8	7-Carboxy-7-deazaguanine Synthase: A Radical <i>S</i> -Adenosyl-methionine Enzyme with Polar Tendencies. Journal of the American Chemical Society, 2017, 139, 1912-1920.	6.6	30
9	The Radical <i>S</i> -Adenosyl-methionine Enzyme MftC Catalyzes an Oxidative Decarboxylation of the C-Terminus of the MftA Peptide. Biochemistry, 2016, 55, 2813-2816.	1.2	52
10	SkfB Abstracts a Hydrogen Atom from C _{1±} on SkfA To Initiate Thioether Cross-Link Formation. Biochemistry, 2016, 55, 4131-4134.	1.2	31
11	Biochemical and Spectroscopic Characterization of a Radical <i>S</i> -Adenosyl-methionine Enzyme Involved in the Formation of a Peptide Thioether Cross-Link. Biochemistry, 2016, 55, 2122-2134.	1.2	55
12	Chemical and Biological Reduction of the Radical SAM Enzyme CPH ₄ Synthase. Biochemistry, 2015, 54, 2903-2910.	1.2	31
13	Investigation of the Radical SAM Enzyme CDG Synthase. FASEB Journal, 2015, 29, 572.12.	0.2	0
14	Radical SAM enzyme QueE defines a new minimal core fold and metal-dependent mechanism. Nature Chemical Biology, 2014, 10, 106-112.	3.9	71
15	Active Site Architecture of a Sugar N-Oxygenase. Biochemistry, 2013, 52, 3191-3193.	1.2	16
16	Probing the catalytic mechanism of a C ₃ -methyltransferase involved in the biosynthesis of <i>D</i> -tetronitrose. Protein Science, 2012, 21, 876-886.	3.1	5
17	Molecular Architecture of a C ₃ -Methyltransferase Involved in the Biosynthesis of <i>d</i> -Tetronitrose. Biochemistry, 2010, 49, 5891-5898.	1.2	14
18	X-ray Structure of KijD3, a Key Enzyme Involved in the Biosynthesis of <i>d</i> -Kijanose. Biochemistry, 2010, 49, 3517-3524.	1.2	32