

Stella Impano

List of Publications by Year in descending order

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Version: 2024-02-01

12
papers

268
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1040056

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209
citing authors

#	ARTICLE	IF	CITATIONS
1	Paradigm Shift for Radical <i>S</i> -Adenosyl-methionine Reactions: The Organometallic Intermediate S^{\bullet} Is Central to Catalysis. <i>Journal of the American Chemical Society</i> , 2018, 140, 8634-8638.	13.7	76
2	The Elusive S^{\bullet} -Deoxyadenosyl Radical: Captured and Characterized by Electron Paramagnetic Resonance and Electron Nuclear Double Resonance Spectroscopies. <i>Journal of the American Chemical Society</i> , 2019, 141, 12139-12146.	13.7	68
3	Photoinduced Electron Transfer in a Radical SAM Enzyme Generates an <i>S</i> -Adenosylmethionine Derived Methyl Radical. <i>Journal of the American Chemical Society</i> , 2019, 141, 16117-16124.	13.7	31
4	<i>S</i> -Adenosyl-methionine is a Catalytically Competent Analog of <i>S</i> -Adenosyl-methionine (SAM) in the Radical SAM Enzyme HydG. <i>Angewandte Chemie - International Edition</i> , 2021, 60, 4666-4672.	13.8	19
5	Mechanistic Studies of Radical SAM Enzymes: Pyruvate Formate-Lyase Activating Enzyme and Lysine 2,3-Aminomutase Case Studies. <i>Methods in Enzymology</i> , 2018, 606, 269-318.	1.0	17
6	Active-Site Controlled, Jahn-Teller Enabled Regioselectivity in Reductive C^{\bullet} Bond Cleavage of <i>S</i> -Adenosylmethionine in Radical SAM Enzymes. <i>Journal of the American Chemical Society</i> , 2021, 143, 335-348.	13.7	15
7	[FeFe]-Hydrogenase: Defined Lysate-Free Maturation Reveals a Key Role for Lipoyl-Protein in DTMA Ligand Biosynthesis. <i>Angewandte Chemie - International Edition</i> , 2022, 61, .	13.8	13
8	HydG, the Fe^{\bullet} -iron, and catalytic production of free CO and CN [•] : implications for [FeFe]-hydrogenase maturation. <i>Dalton Transactions</i> , 2021, 50, 10405-10422.	3.3	11
9	Radical SAM Enzyme Spore Photoproduct Lyase: Properties of the S^{\bullet} Organometallic Intermediate and Identification of Stable Protein Radicals Formed during Substrate-Free Turnover. <i>Journal of the American Chemical Society</i> , 2020, 142, 18652-18660.	13.7	10
10	[FeFe]-Hydrogenase: Defined Lysate-Free Maturation Reveals a Key Role for Lipoyl-Protein in DTMA Ligand Biosynthesis. <i>Angewandte Chemie</i> , 2022, 134, .	2.0	5
11	<i>S</i> -Adenosyl-methionine is a Catalytically Competent Analog of <i>S</i> -Adenosyl-methionine (SAM) in the Radical SAM Enzyme HydG. <i>Angewandte Chemie</i> , 2021, 133, 4716-4722.	2.0	3
12	Titelbild: [FeFe]-Hydrogenase: Defined Lysate-Free Maturation Reveals a Key Role for Lipoyl-Protein in DTMA Ligand Biosynthesis (<i>Angew. Chem.</i> 22/2022). <i>Angewandte Chemie</i> , 2022, 134, .	2.0	0