

Stephen A Marshall

List of Publications by Year in descending order

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15
papers

611
citations

840776

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996975

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15
all docs

15
docs citations

15
times ranked

558
citing authors

#	ARTICLE	IF	CITATIONS
1	UbiX is a flavin prenyltransferase required for bacterial ubiquinone biosynthesis. <i>Nature</i> , 2015, 522, 502-506.	27.8	168
2	The UbiX-UbiD system: The biosynthesis and use of prenylated flavin (prFMN). <i>Archives of Biochemistry and Biophysics</i> , 2017, 632, 209-221.	3.0	90
3	Enzymatic Carboxylation of 2-Furoic Acid Yields 2,5-Furandicarboxylic Acid (FDCA). <i>ACS Catalysis</i> , 2019, 9, 2854-2865.	11.2	74
4	Regioselective <i>para</i> -Carboxylation of Catechols with a Prenylated Flavin Dependent Decarboxylase. <i>Angewandte Chemie - International Edition</i> , 2017, 56, 13893-13897.	13.8	64
5	Oxidative Maturation and Structural Characterization of Prenylated FMN Binding by UbiD, a Decarboxylase Involved in Bacterial Ubiquinone Biosynthesis. <i>Journal of Biological Chemistry</i> , 2017, 292, 4623-4637.	3.4	42
6	The role of conserved residues in Fdc decarboxylase in prenylated flavin mononucleotide oxidative maturation, cofactor isomerization, and catalysis. <i>Journal of Biological Chemistry</i> , 2018, 293, 2272-2287.	3.4	35
7	Successful sample preparation for serial crystallography experiments. <i>Journal of Applied Crystallography</i> , 2019, 52, 1385-1396.	4.5	34
8	Enzymatic control of cycloadduct conformation ensures reversible 1,3-dipolar cycloaddition in a prFMN-dependent decarboxylase. <i>Nature Chemistry</i> , 2019, 11, 1049-1057.	13.6	28
9	The UbiX flavin prenyltransferase reaction mechanism resembles class I terpene cyclase chemistry. <i>Nature Communications</i> , 2019, 10, 2357.	12.8	28
10	Structure and Mechanism of <i>Pseudomonas aeruginosa</i> PA0254/HudA, a prFMN-Dependent Pyrrole-2-carboxylic Acid Decarboxylase Linked to Virulence. <i>ACS Catalysis</i> , 2021, 11, 2865-2878.	11.2	15
11	UbiD domain dynamics underpins aromatic decarboxylation. <i>Nature Communications</i> , 2021, 12, 5065.	12.8	14
12	Heterologous production, reconstitution and EPR spectroscopic analysis of prFMN dependent enzymes. <i>Methods in Enzymology</i> , 2019, 620, 489-508.	1.0	8
13	Regioselektive <i>para</i> -Carboxylierung von Catecholen mit einer Prenylflavin-abhängigen Decarboxylase. <i>Angewandte Chemie</i> , 2017, 129, 14081-14085.	2.0	6
14	Biosynthesis of Pyrrole-2-carbaldehyde via Enzymatic CO ₂ Fixation. <i>Catalysts</i> , 2022, 12, 538.	3.5	3
15	The In Vitro Production of prFMN for Reconstitution of UbiD Enzymes. <i>Methods in Molecular Biology</i> , 2021, 2280, 219-227.	0.9	2