

Ronghai Cheng

List of Publications by Year in descending order

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papers

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352
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#	ARTICLE	IF	CITATIONS
1	Plasmonic photoreactors-coated plastic tubing as combined-active-and-passive antimicrobial flow sterilizer. <i>Journal of Materials Chemistry B</i> , 2022, 10, 2001-2010.	5.8	0
2	OvoA_{Mtht} from <i>Methyloversatilis thermotolerans</i> ovothiol biosynthesis is a bifunction enzyme: thiol oxygenase and sulfoxide synthase activities. <i>Chemical Science</i> , 2022, 13, 3589-3598.	7.4	14
3	Dissecting the Mechanism of the Nonheme Iron Endoperoxidase FtmOx1 Using Substrate Analogues. <i>Jacs Au</i> , 2022, 2, 1686-1698.	7.9	11
4	Chemical modifications of proteins and their applications in metalloenzyme studies. <i>Synthetic and Systems Biotechnology</i> , 2021, 6, 32-49.	3.7	22
5	Implications for an Imidazole-2-yl Carbene Intermediate in the Rhodanase-Catalyzed C-S Bond Formation Reaction of Anaerobic Ergothioneine Biosynthesis. <i>ACS Catalysis</i> , 2021, 11, 3319-3334.	11.2	12
6	Single-Step Replacement of an Unreactive C-H Bond by a C-S Bond Using Polysulfide as the Direct Sulfur Source in the Anaerobic Ergothioneine Biosynthesis. <i>ACS Catalysis</i> , 2020, 10, 8981-8994.	11.2	15
7	Crystal Structure of the Ergothioneine Sulfoxide Synthase from <i>Candidatus Chloracidobacterium thermophilum</i> and Structure-Guided Engineering To Modulate Its Substrate Selectivity. <i>ACS Catalysis</i> , 2019, 9, 6955-6961.	11.2	18
8	Non-heme iron enzyme-catalyzed complex transformations. <i>Advances in Protein Chemistry and Structural Biology</i> , 2019, 117, 1-61.	2.3	3
9	Mini-Review: Ergothioneine and Ovothiol Biosyntheses, an Unprecedented Trans-Sulfur Strategy in Natural Product Biosynthesis. <i>Biochemistry</i> , 2018, 57, 3309-3325.	2.5	56
10	Recent examples of α -ketoglutarate-dependent mononuclear non-haem iron enzymes in natural product biosyntheses. <i>Natural Product Reports</i> , 2018, 35, 792-837.	10.3	122
11	<i>In Vitro</i> Reconstitution of the Remaining Steps in Ovothiol A Biosynthesis: C-S Lyase and Methyltransferase Reactions. <i>Organic Letters</i> , 2018, 20, 5427-5430.	4.6	26
12	PGWD: Integrating Personal Genome for Warfarin Dosing. <i>Interdisciplinary Sciences, Computational Life Sciences</i> , 2016, 8, 23-27.	3.6	0
13	Virtual Pharmacist: A Platform for Pharmacogenomics. <i>PLoS ONE</i> , 2015, 10, e0141105.	2.5	10