

Ronghai Cheng

List of Publications by Year in descending order

Source: <https://exaly.com/author-pdf/11817546/publications.pdf>

Version: 2024-02-01

13
papers

309
citations

1040056

9
h-index

1281871

11
g-index

13
all docs

13
docs citations

13
times ranked

352
citing authors

| # | ARTICLE | IF | CITATIONS |
|----|--|------|-----------|
| 1 | 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 |
| 2 | 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 |
| 3 | <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 |
| 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 | 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 |
| 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 | 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 |
| 8 | 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 |
| 9 | Dissecting the Mechanism of the Nonheme Iron Endoperoxidase FtmOx1 Using Substrate Analogues. <i>Jacs Au</i> , 2022, 2, 1686-1698. | 7.9 | 11 |
| 10 | Virtual Pharmacist: A Platform for Pharmacogenomics. <i>PLoS ONE</i> , 2015, 10, e0141105. | 2.5 | 10 |
| 11 | Non-heme iron enzyme-catalyzed complex transformations. <i>Advances in Protein Chemistry and Structural Biology</i> , 2019, 117, 1-61. | 2.3 | 3 |
| 12 | PGWD: Integrating Personal Genome for Warfarin Dosing. <i>Interdisciplinary Sciences, Computational Life Sciences</i> , 2016, 8, 23-27. | 3.6 | 0 |
| 13 | 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 |