

Xinkun Ren

List of Publications by Year in descending order

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Version: 2024-02-01

15
papers

481
citations

759233

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1058476

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15
docs citations

15
times ranked

539
citing authors

| # | ARTICLE | IF | CITATIONS |
|----|---|------|-----------|
| 1 | Stereodivergent Intramolecular Cyclopropanation Enabled by Engineered Carbene Transferases. <i>Journal of the American Chemical Society</i> , 2019, 141, 9145-9150. | 13.7 | 81 |
| 2 | Drug Oxidation by Cytochrome P450 _{BM3} : Metabolite Synthesis and Discovering New P450 Reaction Types. <i>Chemistry - A European Journal</i> , 2015, 21, 15039-15047. | 3.3 | 72 |
| 3 | Highly Stereoselective Synthesis of Fused Cyclopropane- β -Lactams via Biocatalytic Iron-Catalyzed Intramolecular Cyclopropanation. <i>ACS Catalysis</i> , 2020, 10, 2308-2313. | 11.2 | 51 |
| 4 | Mechanism-Guided Design and Discovery of Efficient Cytochrome P450-Derived C-H Amination Biocatalysts. <i>Journal of the American Chemical Society</i> , 2020, 142, 10343-10357. | 13.7 | 47 |
| 5 | Engineered and artificial metalloenzymes for selective C-H functionalization. <i>Current Opinion in Green and Sustainable Chemistry</i> , 2021, 31, 100494. | 5.9 | 41 |
| 6 | An Enzymatic Platform for the Highly Enantioselective and Stereodivergent Construction of Cyclopropyl β -lactones. <i>Angewandte Chemie - International Edition</i> , 2020, 59, 21634-21639. | 13.8 | 39 |
| 7 | Synthesis of Imidazolidin-4-ones via a Cytochrome P450-Catalyzed Intramolecular C-H Amination. <i>ACS Catalysis</i> , 2016, 6, 6833-6837. | 11.2 | 38 |
| 8 | Effects of dimethoate on rotifer <i>Brachionus calyciflorus</i> using multigeneration toxicity tests. <i>Journal of Environmental Science and Health - Part B Pesticides, Food Contaminants, and Agricultural Wastes</i> , 2012, 47, 883-890. | 1.5 | 24 |
| 9 | A new method for analysis of the toxicity of organophosphorus pesticide, dimethoate on rotifer based on response surface methodology. <i>Journal of Hazardous Materials</i> , 2012, 237-238, 270-276. | 12.4 | 23 |
| 10 | Assessment the Toxic Effects of Dimethoate to Rotifer Using Swimming Behavior. <i>Bulletin of Environmental Contamination and Toxicology</i> , 2012, 89, 568-571. | 2.7 | 21 |
| 11 | Hydroxylation of anilides by engineered cytochrome P450 _{BM3} . <i>Organic and Biomolecular Chemistry</i> , 2017, 15, 8780-8787. | 2.8 | 17 |
| 12 | Synergistic catalysis in an artificial enzyme. <i>Nature Catalysis</i> , 2020, 3, 184-185. | 34.4 | 13 |
| 13 | Highly stereoselective and enantiodivergent synthesis of cyclopropylphosphonates with engineered carbene transferases. <i>Chemical Science</i> , 2022, 13, 8550-8556. | 7.4 | 11 |
| 14 | An Enzymatic Platform for the Highly Enantioselective and Stereodivergent Construction of Cyclopropyl β -lactones. <i>Angewandte Chemie</i> , 2020, 132, 21818-21823. | 2.0 | 3 |
| 15 | Characterization of chromophoric organic matter in effluent from Vitamin C wastewater anaerobic-aerobic treatment. <i>Science Bulletin</i> , 2010, 55, 3763-3767. | 1.7 | 0 |