

Yi-Jian Rao

List of Publications by Year in descending order

Source: <https://exaly.com/author-pdf/8368899/publications.pdf>

Version: 2024-02-01

32
papers

605
citations

758635

12
h-index

610482

24
g-index

34
all docs

34
docs citations

34
times ranked

654
citing authors

| # | ARTICLE | IF | CITATIONS |
|----|--|-----|-----------|
| 1 | The Atg13 kinase complex tethers Atg9-vesicles to initiate autophagy. <i>Nature Communications</i> , 2016, 7, 10338. | 5.8 | 105 |
| 2 | Structural Insight into Enantioselective Inversion of an Alcohol Dehydrogenase Reveals a Polar Gate in Stereorecognition of Diaryl Ketones. <i>Journal of the American Chemical Society</i> , 2018, 140, 12645-12654. | 6.6 | 87 |
| 3 | Cercosporin-bioinspired selective photooxidation reactions under mild conditions. <i>Green Chemistry</i> , 2019, 21, 6073-6081. | 4.6 | 41 |
| 4 | Perylenequinonoid-Catalyzed [4 + 1] and [4 + 2] Annulations of Azoalkenes: Photocatalytic Access to 1,2,3-Thiadiazole/1,4,5,6-Tetrahydropyridazine Derivatives. <i>Journal of Organic Chemistry</i> , 2019, 84, 7711-7721. | 1.7 | 40 |
| 5 | Perylenequinonoid-catalyzed photoredox activation for the direct arylation of (het)arenes with sunlight. <i>Organic and Biomolecular Chemistry</i> , 2019, 17, 4364-4369. | 1.5 | 40 |
| 6 | Atg11 tethers Atg9 vesicles to initiate selective autophagy. <i>PLoS Biology</i> , 2019, 17, e3000377. | 2.6 | 37 |
| 7 | Structure-Guided Engineering of <i>ScpD</i> -Carbamoylase Reveals a Key Loop at Substrate Entrance Tunnel. <i>ACS Catalysis</i> , 2020, 10, 12393-12402. | 5.5 | 30 |
| 8 | Easily fabricated HARCP/HAp photocatalyst for efficient and fast removal of tetracycline under natural sunlight. <i>Chemical Engineering Journal</i> , 2021, 412, 128620. | 6.6 | 23 |
| 9 | Cercosporin-bioinspired photoreductive activation of aryl halides under mild conditions. <i>Journal of Catalysis</i> , 2019, 380, 1-8. | 3.1 | 19 |
| 10 | Metal-Free Cercosporin-Photocatalyzed C-S Coupling for the Selective Synthesis of Aryl Sulfides under Mild Conditions. <i>European Journal of Organic Chemistry</i> , 2019, 2019, 7175-7178. | 1.2 | 16 |
| 11 | Enhanced cercosporin production by co-culturing <i>Cercospora</i> sp. JNU001 with leaf-spot-disease-related endophytic bacteria. <i>Microbial Cell Factories</i> , 2021, 20, 100. | 1.9 | 16 |
| 12 | Cercosporin-photocatalyzed sp^3 (C^{H}) activation for the synthesis of pyrrolo[3,4- <i>cd</i>]quinolones. <i>Organic and Biomolecular Chemistry</i> , 2019, 17, 8958-8962. | 1.5 | 15 |
| 13 | Enhancement of Rebaudioside M Production by Structure-Guided Engineering of Glycosyltransferase UGT76G1. <i>Journal of Agricultural and Food Chemistry</i> , 2022, 70, 5088-5094. | 2.4 | 14 |
| 14 | Emodin as a novel organic photocatalyst for selective oxidation of sulfides under mild conditions. <i>RSC Advances</i> , 2020, 10, 19747-19750. | 1.7 | 13 |
| 15 | Molecular Basis of the Unusual Seven-Membered Methyleneedioxy Bridge Formation Catalyzed by Fe(II)-KG-Dependent Oxygenase CTB9. <i>ACS Catalysis</i> , 2022, 12, 3689-3699. | 5.5 | 13 |
| 16 | Recent Advances in Rapid Synthesis of Non-proteinogenic Amino Acids from Proteinogenic Amino Acids Derivatives via Direct Photo-Mediated C^{H} Functionalization. <i>Molecules</i> , 2020, 25, 5270. | 1.7 | 11 |
| 17 | A bioinspired cercosporin/polymethylmethacrylate photocatalyst with high efficiency for decontamination of pharmaceuticals and pathogens. <i>Journal of Hazardous Materials</i> , 2021, 419, 126555. | 6.5 | 10 |
| 18 | Local Electric Field Modulated Reactivity of <i>Pseudomonas aeruginosa</i> Acid Phosphatase for Enhancing Phosphorylation of <i>ScpL</i> -Ascorbic Acid. <i>ACS Catalysis</i> , 2021, 11, 13397-13407. | 5.5 | 10 |

| # | ARTICLE | IF | CITATIONS |
|----|--|-----|-----------|
| 19 | Targeted photodynamic therapy with a novel photosensitizer cercosporin encapsulated multifunctional copolymer. <i>Colloids and Surfaces A: Physicochemical and Engineering Aspects</i> , 2020, 585, 124136. | 2.3 | 8 |
| 20 | Cercosporin-bioinspired photoinactivation of harmful cyanobacteria under natural sunlight via bifunctional mechanisms. <i>Water Research</i> , 2022, 215, 118242. | 5.3 | 8 |
| 21 | Structure and cleavage pattern of a hyaluronate 3-glycanohydrolase in the glycoside hydrolase 79 family. <i>Carbohydrate Polymers</i> , 2022, 277, 118838. | 5.1 | 7 |
| 22 | Natural product cercosporin as a bioinspired photocatalyst for the synthesis of peptides containing kynurenine <i>via</i> an energy transfer mechanism. <i>Green Chemistry</i> , 2022, 24, 3277-3283. | 4.6 | 7 |
| 23 | Crystal Structure of Levansucrase from the Gram-Negative Bacterium <i>Brenneria</i> Provides Insights into Its Product Size Specificity. <i>Journal of Agricultural and Food Chemistry</i> , 2022, 70, 5095-5105. | 2.4 | 7 |
| 24 | Energy-Transfer-Mediated Photocatalysis by a Bioinspired Organic Perylenephotosensitizer HiBRCP. <i>Journal of Organic Chemistry</i> , 2021, 86, 15284-15297. | 1.7 | 6 |
| 25 | Improving Thermostability and Catalytic Activity of Glycosyltransferase From <i>Panax ginseng</i> by Semi-Rational Design for Rebaudioside D Synthesis. <i>Frontiers in Bioengineering and Biotechnology</i> , 2022, 10, 884898. | 2.0 | 6 |
| 26 | Autophagy in the test tube: <i>In vitro</i> reconstitution of aspects of autophagosome biogenesis. <i>FEBS Journal</i> , 2016, 283, 2034-2043. | 2.2 | 5 |
| 27 | Discovery and characterization of a novel perylenephotoreductant for the activation of aryl halides. <i>Journal of Catalysis</i> , 2021, 399, 111-120. | 3.1 | 5 |
| 28 | Structure-Guided Regulation in the Enantioselectivity of an Epoxide Hydrolase to Produce Enantiomeric Monosubstituted Epoxides and Vicinal Diols via Kinetic Resolution. <i>Organic Letters</i> , 2022, 24, 1757-1761. | 2.4 | 4 |
| 29 | Characterization of Multifunctional and Non-stereoselective Oxidoreductase RubE7/IstO, Expanding the Functional Diversity of the Flavoenzyme Superfamily. <i>Angewandte Chemie - International Edition</i> , 2022, , . | 7.2 | 1 |
| 30 | Current advances in the biotechnological synthesis of betulinic acid: new findings and practical applications. <i>Systems Microbiology and Biomanufacturing</i> , 0, , . | 1.5 | 1 |
| 31 | Cercosporin-Photocatalyzed [4+1]- and [4+2]-Annulations of Azoalkenes Under Mild Conditions. <i>Journal of Visualized Experiments</i> , 2020, , . | 0.2 | 0 |
| 32 | Characterization of Multifunctional and Non-stereoselective Oxidoreductase RubE7/IstO, Expanding the Functional Diversity of the Flavoenzyme Superfamily. <i>Angewandte Chemie</i> , 0, , . | 1.6 | 0 |