

Yi-Jian Rao

List of Publications by Year in descending order

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Version: 2024-02-01

32
papers

605
citations

758635

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34
docs citations

34
times ranked

654
citing authors

#	ARTICLE	IF	CITATIONS
1	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
2	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
3	Characterization of Multifunctional and Non-steroselective Oxidoreductase RubE7/IstO, Expanding the Functional Diversity of the Flavoenzyme Superfamily. <i>Angewandte Chemie - International Edition</i> , 2022, , .	7.2	1
4	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
5	Molecular Basis of the Unusual Seven-Membered Methyleneedioxy Bridge Formation Catalyzed by Fe(II)/ \pm -KG-Dependent Oxygenase CTB9. <i>ACS Catalysis</i> , 2022, 12, 3689-3699.	5.5	13
6	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
7	Cercosporin-bioinspired photoinactivation of harmful cyanobacteria under natural sunlight via bifunctional mechanisms. <i>Water Research</i> , 2022, 215, 118242.	5.3	8
8	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
9	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
10	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
11	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
12	Discovery and characterization of a novel perylenephoto-reductant for the activation of aryl halides. <i>Journal of Catalysis</i> , 2021, 399, 111-120.	3.1	5
13	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
14	Energy-Transfer-Mediated Photocatalysis by a Bioinspired Organic Perylenephotosensitizer HiBRCP. <i>Journal of Organic Chemistry</i> , 2021, 86, 15284-15297.	1.7	6
15	Local Electric Field Modulated Reactivity of <i>Pseudomonas aeruginosa</i> Acid Phosphatase for Enhancing Phosphorylation of α -Ascorbic Acid. <i>ACS Catalysis</i> , 2021, 11, 13397-13407.	5.5	10
16	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
17	Structure-Guided Engineering of α -Carbamoylase Reveals a Key Loop at Substrate Entrance Tunnel. <i>ACS Catalysis</i> , 2020, 10, 12393-12402.	5.5	30
18	Recent Advances in Rapid Synthesis of Non-proteinogenic Amino Acids from Proteinogenic Amino Acids Derivatives via Direct Photo-Mediated α -H Functionalization. <i>Molecules</i> , 2020, 25, 5270.	1.7	11

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19	Emodin as a novel organic photocatalyst for selective oxidation of sulfides under mild conditions. RSC Advances, 2020, 10, 19747-19750.	1.7	13
20	Cercosporin-Photocatalyzed [4+1]- and [4+2]-Annulations of Azoalkenes Under Mild Conditions. Journal of Visualized Experiments, 2020, , .	0.2	0
21	Atg11 tethers Atg9 vesicles to initiate selective autophagy. PLoS Biology, 2019, 17, e3000377.	2.6	37
22	Metal-Free Cercosporin-Photocatalyzed C-S Coupling for the Selective Synthesis of Aryl Sulfides under Mild Conditions. European Journal of Organic Chemistry, 2019, 2019, 7175-7178.	1.2	16
23	Cercosporin-bioinspired photoreductive activation of aryl halides under mild conditions. Journal of Catalysis, 2019, 380, 1-8.	3.1	19
24	Cercosporin-bioinspired selective photooxidation reactions under mild conditions. Green Chemistry, 2019, 21, 6073-6081.	4.6	41
25	Perylenequinonoid-Catalyzed [4 + 1] and [4 + 2] Annulations of Azoalkenes: Photocatalytic Access to 1,2,3-Thiadiazole/1,4,5,6-Tetrahydropyridazine Derivatives. Journal of Organic Chemistry, 2019, 84, 7711-7721.	1.7	40
26	Perylenequinonoid-catalyzed photoredox activation for the direct arylation of (het)arenes with sunlight. Organic and Biomolecular Chemistry, 2019, 17, 4364-4369.	1.5	40
27	Cercosporin-photocatalyzed sp ³ (C-H) activation for the synthesis of pyrrolo[3,4- <i>c</i>]quinolones. Organic and Biomolecular Chemistry, 2019, 17, 8958-8962.	1.5	15
28	Structural Insight into Enantioselective Inversion of an Alcohol Dehydrogenase Reveals a Polar Gate in Stereorecognition of Diaryl Ketones. Journal of the American Chemical Society, 2018, 140, 12645-12654.	6.6	87
29	Autophagy in the test tube: <i>In vitro</i> reconstitution of aspects of autophagosome biogenesis. FEBS Journal, 2016, 283, 2034-2043.	2.2	5
30	The Atg13 kinase complex tethers Atg9-vesicles to initiate autophagy. Nature Communications, 2016, 7, 10338.	5.8	105
31	Characterization of Multifunctional and Non-stereoselective Oxidoreductase RubE7/IstO, Expanding the Functional Diversity of the Flavoenzyme Superfamily. Angewandte Chemie, 0, , .	1.6	0
32	Current advances in the biotechnological synthesis of betulinic acid: new findings and practical applications. Systems Microbiology and Biomanufacturing, 0, , .	1.5	1