

Kyle F Biegasiewicz

List of Publications by Year in descending order

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Version: 2024-02-01

17
papers

1,073
citations

687363

13
h-index

888059

17
g-index

20
all docs

20
docs citations

20
times ranked

933
citing authors

#	ARTICLE	IF	CITATIONS
1	Photoexcitation of flavoenzymes enables a stereoselective radical cyclization. <i>Science</i> , 2019, 364, 1166-1169.	12.6	256
2	Cubane: 50 Years Later. <i>Chemical Reviews</i> , 2015, 115, 6719-6745.	47.7	145
3	Catalytic promiscuity enabled by photoredox catalysis in nicotinamide-dependent oxidoreductases. <i>Nature Chemistry</i> , 2018, 10, 770-775.	13.6	125
4	Asymmetric redox-neutral radical cyclization catalysed by flavin-dependent α -ene α -reductases. <i>Nature Chemistry</i> , 2020, 12, 71-75.	13.6	123
5	Photoenzymatic Catalysis Enables Radical-Mediated Ketone Reduction in Ene α -Reductases. <i>Angewandte Chemie - International Edition</i> , 2019, 58, 8714-8718.	13.8	86
6	Quaternary Charge-Transfer Complex Enables Photoenzymatic Intermolecular Hydroalkylation of Olefins. <i>Journal of the American Chemical Society</i> , 2021, 143, 97-102.	13.7	84
7	Photoenzymatic Hydrogenation of Heteroaromatic Olefins Using α -ene α -reductases with Photoredox Catalysts. <i>Angewandte Chemie - International Edition</i> , 2020, 59, 10484-10488.	13.8	67
8	Organocatalytic Enantioselective $\hat{\pm}$ -Hydroxymethylation of Aldehydes: Mechanistic Aspects and Optimization. <i>Journal of Organic Chemistry</i> , 2015, 80, 4030-4045.	3.2	40
9	Development of a general approach to the synthesis of a library of isoflavonoid derivatives. <i>Tetrahedron Letters</i> , 2014, 55, 5210-5212.	1.4	31
10	Biocatalytic hydrogen atom transfer: an invigorating approach to free-radical reactions. <i>Current Opinion in Chemical Biology</i> , 2019, 49, 16-24.	6.1	25
11	An efficient synthesis of daidzein, dimethyldaidzein, and isoformononetin. <i>Tetrahedron Letters</i> , 2010, 51, 4408-4410.	1.4	24
12	Photoenzymatic Catalysis Enables Radical-Mediated Ketone Reduction in Ene α -Reductases. <i>Angewandte Chemie</i> , 2019, 131, 8806-8810.	2.0	20
13	Organic Chemistry: A Retrosynthetic Approach to a Diverse Field. <i>ACS Central Science</i> , 2020, 6, 1845-1850.	11.3	18
14	Photoenzymatic Hydrogenation of Heteroaromatic Olefins Using α -ene α -reductases with Photoredox Catalysts. <i>Angewandte Chemie</i> , 2020, 132, 10570-10574.	2.0	13
15	Evaluation of a chiral cubane-based Schiff base ligand in asymmetric catalysis reactions. <i>Beilstein Journal of Organic Chemistry</i> , 2012, 8, 1814-1818.	2.2	9
16	Scalable Synthesis of ($\hat{\alpha}$)-Rasfonin Enabled by a Convergent Enantioselective $\hat{\pm}$ -Hydroxymethylation Strategy. <i>Organic Letters</i> , 2018, 20, 5062-5065.	4.6	6
17	CHAPTER 5. Chemistry and Synthesis of Daidzein and its Methylated Derivatives: Formononetin, Isoformononetin, and Dimethyldaidzein. <i>Food and Nutritional Components in Focus</i> , 2012, , 61-82.	0.1	1