

David C Miller

List of Publications by Year in descending order

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Version: 2024-02-01

12
papers

1,461
citations

1163117

8
h-index

1281871

11
g-index

21
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21
docs citations

21
times ranked

1577
citing authors

#	ARTICLE	IF	CITATIONS
1	Catalytic alkylation of remote C-H bonds enabled by proton-coupled electron transfer. <i>Nature</i> , 2016, 539, 268-271.	27.8	623
2	Catalytic Olefin Hydroamidation Enabled by Proton-Coupled Electron Transfer. <i>Journal of the American Chemical Society</i> , 2015, 137, 13492-13495.	13.7	249
3	Catalytic promiscuity enabled by photoredox catalysis in nicotinamide-dependent oxidoreductases. <i>Nature Chemistry</i> , 2018, 10, 770-775.	13.6	125
4	Proton-Coupled Electron Transfer in Organic Synthesis: Fundamentals, Applications, and Opportunities. <i>Topics in Current Chemistry</i> , 2016, 374, 30.	5.8	114
5	Bond-Weakening Catalysis: Conjugate Aminations Enabled by the Soft Homolysis of Strong N-H Bonds. <i>Journal of the American Chemical Society</i> , 2015, 137, 6440-6443.	13.7	92
6	Anti-Markovnikov Hydroamination of Unactivated Alkenes with Primary Alkyl Amines. <i>Journal of the American Chemical Society</i> , 2019, 141, 16590-16594.	13.7	81
7	Combining chemistry and protein engineering for new-to-nature biocatalysis. , 2022, 1, 18-23.		80
8	Engineering Chemoselectivity in Hemoprotein-Catalyzed Indole Amidation. <i>ACS Catalysis</i> , 2019, 9, 8271-8275.	11.2	39
9	Biocatalytic One-Carbon Ring Expansion of Aziridines to Azetidines via a Highly Enantioselective [1,2]-Stevens Rearrangement. <i>Journal of the American Chemical Society</i> , 2022, 144, 4739-4745.	13.7	35
10	The Diels-Alder Cyclization of Ketenimines. <i>Organic Letters</i> , 2012, 14, 2191-2193.	4.6	8
11	Dynamic charge disproportionation in the 1D chain material PdTeI. <i>Journal of Materials Chemistry C</i> , 2014, 2, 3238-3246.	5.5	8
12	Proton-Coupled Electron Transfer in Organic Synthesis: Fundamentals, Applications, and Opportunities. <i>Topics in Current Chemistry Collections</i> , 2016, , 145-203.	0.5	7