

S Hessam M Mehr

List of Publications by Year in descending order

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Version: 2024-02-01

13
papers

417
citations

933447

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1125743

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g-index

13
all docs

13
docs citations

13
times ranked

559
citing authors

#	ARTICLE	IF	CITATIONS
1	A universal system for digitization and automatic execution of the chemical synthesis literature. <i>Science</i> , 2020, 370, 101-108.	12.6	140
2	Digitizing Chemistry Using the Chemical Processing Unit: From Synthesis to Discovery. <i>Accounts of Chemical Research</i> , 2021, 54, 253-262.	15.6	61
3	Digitization and validation of a chemical synthesis literature database in the ChemPLI. <i>Science</i> , 2022, 377, 172-180.	12.6	35
4	Discovering New Chemistry with an Autonomous Robotic Platform Driven by a Reactivity-Seeking Neural Network. <i>ACS Central Science</i> , 2021, 7, 1821-1830.	11.3	32
5	Intuition-Enabled Machine Learning Beats the Competition When Joint Human-Robot Teams Perform Inorganic Chemical Experiments. <i>Journal of Chemical Information and Modeling</i> , 2019, 59, 2664-2671.	5.4	25
6	Novel PPV/Mesoporous Organosilica Composites: Influence of the Host Chirality on a Conjugated Polymer Guest. <i>Langmuir</i> , 2013, 29, 12579-12584.	3.5	24
7	Role of Entropy and Autosolvation in Dimerization and Complexation of C ₆₀ by Zn ₇ Metallocavitands. <i>Inorganic Chemistry</i> , 2012, 51, 3443-3453.	4.0	22
8	Stabilization of a Strained Heteroradialene by Peripheral Electron Delocalization. <i>Organic Letters</i> , 2016, 18, 1840-1843.	4.6	19
9	Deuteration of Aromatic Rings under Very Mild Conditions through Keto-Enamine Tautomeric Amplification. <i>Journal of Organic Chemistry</i> , 2015, 80, 5144-5150.	3.2	16
10	Formylation of phenols using formamidine acetate. <i>Organic and Biomolecular Chemistry</i> , 2017, 15, 581-583.	2.8	15
11	Controlling Ligand Exchange through Macrocyclization. <i>Inorganic Chemistry</i> , 2018, 57, 3243-3253.	4.0	11
12	Catalyst: The Metaphysics of Chemical Reactivity. <i>CheM</i> , 2018, 4, 1759-1761.	11.7	11
13	Tuning the tautomeric behavior of tris(salicylaldimines). <i>Organic and Biomolecular Chemistry</i> , 2017, 15, 8418-8424.	2.8	6