

Chuang Niu

List of Publications by Year in descending order

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Version: 2024-02-01

20
papers

279
citations

933447

10
h-index

940533

16
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all docs

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docs citations

20
times ranked

158
citing authors

#	ARTICLE	IF	CITATIONS
1	Double-site defect passivation of perovskite film via fullerene additive engineering toward highly efficient and stable bulk heterojunction solar cells. <i>Nano Today</i> , 2021, 39, 101164.	11.9	33
2	A retro Baeyer–Villiger reaction: electrochemical reduction of [60]fullerene-fused lactones to [60]fullerene-fused ketones. <i>Chemical Science</i> , 2019, 10, 3012-3017.	7.4	32
3	Regioselective electrosynthesis of tetra- and hexa-functionalized [60]fullerene derivatives with unprecedented addition patterns. <i>Chemical Science</i> , 2020, 11, 384-388.	7.4	32
4	Successively Regioselective Electrosynthesis and Electron Transport Property of Stable Multiply Functionalized [60]Fullerene Derivatives. <i>Research</i> , 2020, 2020, 2059190.	5.7	27
5	Cu(I)-Catalyzed Synthesis of [60]Fullerene-Fused Lactams and Further Electrochemical Functionalization. <i>Organic Letters</i> , 2021, 23, 4051-4056.	4.6	26
6	Electrochemical Benzylation of [60]Fullerene-Fused Lactones: Unexpected Formation of Ring-Opened Adducts and Their Photovoltaic Performance. <i>Organic Letters</i> , 2019, 21, 7346-7350.	4.6	23
7	Palladium-catalyzed synthesis of [60]fullerene-fused furochromenones and further electrochemical functionalization. <i>Organic Chemistry Frontiers</i> , 2020, 7, 1249-1254.	4.5	16
8	Anomalous <i>Cis</i> -Conformation Regioselectivity of Heterocycle-Fused Sc ₃ N@D ₃ h- C_{78} Derivatives. <i>Angewandte Chemie - International Edition</i> , 2021, 60, 7880-7886.	13.8	15
9	The cyclopropanation of [60]fullerobenzofurans via electrosynthesis. <i>Organic and Biomolecular Chemistry</i> , 2017, 15, 3248-3254.	2.8	12
10	Progress in Electrochemical Reactions of [60]Fullerene-Fused Heterocycles. <i>Chinese Journal of Organic Chemistry</i> , 2020, 40, 3633.	1.3	12
11	Electrochemical regioselective alkylations of a [60]fulleroindoline with bulky alkyl bromides. <i>Organic and Biomolecular Chemistry</i> , 2020, 18, 4783-4787.	2.8	9
12	Potassium salt promoted regioselective three-component coupling synthesis of 1,4-asymmetrical [60]fullerene bisadducts with superior electron transport properties. <i>Chemical Communications</i> , 2020, 56, 9513-9516.	4.1	9
13	Unexpected Formation of Pyrazoline-Fused Metallofullerenes from the Multicomponent Cascade Reaction of Sc ₃ N@I _h -C ₈₀ with Tetrazines, Water, and Oxygen. <i>Organic Letters</i> , 2022, 24, 3493-3498.	4.6	9
14	Multicomponent Synthesis of 2-Arylviny-Substituted Fulleropyrrolidines from [60]Fullerene, Amines and Aldehydes. <i>European Journal of Organic Chemistry</i> , 2019, 2019, 6504-6509.	2.4	6
15	Reaction of Aldoximes with Sodium Chloride and Oxone under Ball-Milling Conditions. <i>Molecules</i> , 2020, 25, 3719.	3.8	5
16	Alternative Access to Cyclopentafullerenes through the Reaction of [60]Fullerene with Aldehydes and Secondary Amines. <i>Journal of Organic Chemistry</i> , 2020, 85, 6878-6887.	3.2	5
17	Retro Baeyer–Villiger reaction: thermal conversion of the [60]fullerene-fused lactones to ketones. <i>Chemical Communications</i> , 2022, 58, 3685-3688.	4.1	5
18	Anomalous <i>Cis</i> -Conformation Regioselectivity of Heterocycle-Fused Sc ₃ N@D ₃ h- C_{78} Derivatives. <i>Angewandte Chemie</i> , 2021, 133, 7959-7965.	2.0	2

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19	Mechanochemical Dimerization of Aldoximes to Furoxans. <i>Molecules</i> , 2022, 27, 2604.	3.8	1
20	Electrochemically Promoted Benzylation of [60]Fullerodoxazolidinone. <i>Nanomaterials</i> , 2022, 12, 2281.	4.1	0