

Rong Zhu

List of Publications by Year in descending order

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Version: 2024-02-01

25
papers

1,603
citations

516710

16
h-index

526287

27
g-index

36
all docs

36
docs citations

36
times ranked

1344
citing authors

#	ARTICLE	IF	CITATIONS
1	Efficient O-deallylation triggered by cobalt hydride-catalyzed oxidative hydrofunctionalization. <i>Green Synthesis and Catalysis</i> , 2023, 4, 64-66.	6.8	3
2	Electrocatalytic Oxidative Hydrofunctionalization Reactions of Alkenes via Co(II/III/IV) Cycle. <i>ACS Catalysis</i> , 2022, 12, 2132-2137.	11.2	34
3	Dioxygen-promoted cobalt-catalyzed oxidative hydroamination using unactivated alkenes and free amines. <i>Chem Catalysis</i> , 2022, 2, 345-357.	6.1	14
4	Copper-Catalyzed Formal Dehydration Polymerization of Propargylic Alcohols via Cumulene Intermediates. <i>Journal of the American Chemical Society</i> , 2022, 144, 4315-4320.	13.7	11
5	Synthesis of Polydiynes <i>via</i> an Unexpected Dimerization/Polymerization Sequence of C3 Propargylic Electrophiles. <i>Journal of the American Chemical Society</i> , 2022, 144, 8807-8817.	13.7	4
6	Highly chemoselective synthesis of hindered amides via cobalt-catalyzed intermolecular oxidative hydroamidation. <i>Nature Communications</i> , 2021, 12, 2552.	12.8	42
7	Bicyclo[2.2.0]hexene derivatives as a proaromatic platform for group transfer and chemical sensing. <i>Nature Communications</i> , 2021, 12, 3680.	12.8	5
8	Radical Philicity Inversion in Co- and Fe-Catalyzed Hydrogen-Atom-Transfer-Initiated Cyclizations of Unsaturated Acylsilanes. <i>ACS Catalysis</i> , 2020, 10, 510-515.	11.2	30
9	Dual Cobalt and Photoredox Catalysis Enabled Intermolecular Oxidative Hydrofunctionalization. <i>ACS Catalysis</i> , 2020, 10, 4983-4989.	11.2	54
10	Autonomously Responsive Membranes for Chemical Warfare Protection. <i>Advanced Functional Materials</i> , 2020, 30, 2000258.	14.9	32
11	Recent advances in CoSalen-catalyzed radical reactions. <i>Scientia Sinica Chimica</i> , 2020, 50, 1217-1232.	0.4	7
12	Emerging Catalyst Control in Cobalt-Catalyzed Oxidative Hydrofunctionalization Reactions. <i>Synlett</i> , 2019, 30, 2015-2021.	1.8	10
13	Cobalt-Catalyzed Intermolecular Hydrofunctionalization of Alkenes: Evidence for a Bimetallic Pathway. <i>Journal of the American Chemical Society</i> , 2019, 141, 7250-7255.	13.7	80
14	Polymer Valence Isomerism: Poly(Dewar-xylylene)s. <i>Journal of the American Chemical Society</i> , 2018, 140, 5211-5216.	13.7	8
15	Chemical warfare simulants-responsive polymer nanocomposites: Synthesis and evaluation. <i>Journal of Polymer Science Part A</i> , 2017, 55, 3034-3040.	2.3	7
16	Wireless Oxygen Sensors Enabled by Fe(II)-Polymer Wrapped Carbon Nanotubes. <i>ACS Sensors</i> , 2017, 2, 1044-1050.	7.8	69
17	Wireless Hazard Badges to Detect Nerve Agent Simulants. <i>Angewandte Chemie</i> , 2016, 128, 9814-9818.	2.0	8
18	Wireless Hazard Badges to Detect Nerve Agent Simulants. <i>Angewandte Chemie - International Edition</i> , 2016, 55, 9662-9666.	13.8	68

#	ARTICLE	IF	CITATIONS
19	Versatile Enantioselective Synthesis of Functionalized Lactones via Copper-Catalyzed Radical Oxyfunctionalization of Alkenes. <i>Journal of the American Chemical Society</i> , 2015, 137, 8069-8077.	13.7	264
20	Enantioselective Functionalization of Radical Intermediates in Redox Catalysis: Copper-Catalyzed Asymmetric Oxytrifluoromethylation of Alkenes. <i>Angewandte Chemie - International Edition</i> , 2013, 52, 12655-12658.	13.8	260
21	Asymmetric Total Syntheses of Ansamacrolactams (+)-Q-1047H-A-A and (+)-Q-1047H-R-A. <i>Organic Letters</i> , 2013, 15, 812-815.	4.6	21
22	Copper-Catalyzed Oxytrifluoromethylation of Unactivated Alkenes. <i>Journal of the American Chemical Society</i> , 2012, 134, 12462-12465.	13.7	359
23	Combined Oxypalladation/C-H Functionalization: Palladium(II)-Catalyzed Intramolecular Oxidative Oxyarylation of Hydroxyalkenes. <i>Angewandte Chemie - International Edition</i> , 2012, 51, 1926-1929.	13.8	69
24	Asymmetric Total Synthesis and Structural Elucidation of NFAT-68. <i>Organic Letters</i> , 2011, 13, 74-77.	4.6	24
25	An Unprecedented Silver Salt Effect Switches the Facial Selectivity in the Vinylogous Mukaiyama Aldol Reaction. <i>Advanced Synthesis and Catalysis</i> , 2010, 352, 2387-2393.	4.3	11