Rong Zhu

List of Publications by Year
in descending order

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	Copper-Catalyzed Oxytrifluoromethylation of Unactivated Alkenes. Journal of the American Chemical Society, 2012, 134, 12462-12465.	13.7	359
2	Versatile Enantioselective Synthesis of Functionalized Lactones via Copper-Catalyzed Radical Oxyfunctionalization of Alkenes. Journal of the American Chemical Society, 2015, 137, 8069-8077.	13.7	264
3	Enantioselective Functionalization of Radical Intermediates in Redox Catalysis: Copperâ€Catalyzed Asymmetric Oxytrifluoromethylation of Alkenes. Angewandte Chemie - International Edition, 2013, 52, 12655-12658.	13.8	260
4	Cobalt-Catalyzed Intermolecular Hydrofunctionalization of Alkenes: Evidence for a Bimetallic Pathway. Journal of the American Chemical Society, 2019, 141, 7250-7255.	13.7	80
5	Combined Oxypalladation/Cï£¿H Functionalization: Palladium(II)â€Catalyzed Intramolecular Oxidative Oxyarylation of Hydroxyalkenes. Angewandte Chemie - International Edition, 2012, 51, 1926-1929.	13.8	69
6	Wireless Oxygen Sensors Enabled by Fe(II)-Polymer Wrapped Carbon Nanotubes. ACS Sensors, 2017, 2, 1044-1050.	7.8	69
7	Wireless Hazard Badges to Detect Nerveâ€Agent Simulants. Angewandte Chemie - International Edition, 2016, 55, 9662-9666.	13.8	68
8	Dual Cobalt and Photoredox Catalysis Enabled Intermolecular Oxidative Hydrofunctionalization. ACS Catalysis, 2020, 10, 4983-4989.	11.2	54
9	Highly chemoselective synthesis of hindered amides via cobalt-catalyzed intermolecular oxidative hydroamidation. Nature Communications, 2021, 12, 2552.	12.8	42
10	Electrocatalytic Oxidative Hydrofunctionalization Reactions of Alkenes via Co(II/III/IV) Cycle. ACS Catalysis, 2022, 12, 2132-2137.	11.2	34
11	Autonomously Responsive Membranes for Chemical Warfare Protection. Advanced Functional Materials, 2020, 30, 2000258.	14.9	32
12	Radical Philicity Inversion in Co- and Fe-Catalyzed Hydrogen-Atom-Transfer-Initiated Cyclizations of Unsaturated Acylsilanes. ACS Catalysis, 2020, 10, 510-515.	11.2	30
13	Asymmetric Total Synthesis and Structural Elucidation of NFAT-68. Organic Letters, 2011, 13, 74-77.	4.6	24
14	Asymmetric Total Syntheses of Ansamacrolactams (+)-Q-1047H-A-A and (+)-Q-1047H-R-A. Organic Letters, 2013, 15, 812-815.	4.6	21
15	Dioxygen-promoted cobalt-catalyzed oxidative hydroamination using unactivated alkenes and free amines. Chem Catalysis, 2022, 2, 345-357.	6.1	14
16	An Unprecedented Silver Salt Effect Switches the Facial Selectivity in the Vinylogous Mukaiyama Aldol Reaction. Advanced Synthesis and Catalysis, 2010, 352, 2387-2393.	4.3	11
17	Copper-Catalyzed Formal Dehydration Polymerization of Propargylic Alcohols via Cumulene Intermediates. Journal of the American Chemical Society, 2022, 144, 4315-4320.	13.7	11
18	Emerging Catalyst Control in Cobalt-Catalyzed Oxidative Hydrofunctionalization Reactions. Synlett, 2019, 30, 2015-2021.	1.8	10

#	Article	IF	Citations
19	Wireless Hazard Badges to Detect Nerveâ€Agent Simulants. Angewandte Chemie, 2016, 128, 9814-9818.	2.0	8
20	Polymer Valence Isomerism: Poly(Dewar-o-xylylene)s. Journal of the American Chemical Society, 2018, 140, 5211-5216.	13.7	8
21	Chemical warfare simulantâ€responsive polymer nanocomposites: Synthesis and evaluation. Journal of Polymer Science Part A, 2017, 55, 3034-3040.	2.3	7
22	Recent advances in CoSalen-catalyzed radical reactions. Scientia Sinica Chimica, 2020, 50, 1217-1232.	0.4	7
23	Bicyclo[2.2.0]hexene derivatives as a proaromatic platform for group transfer and chemical sensing. Nature Communications, 2021, 12, 3680.	12.8	5
24	Synthesis of Polydiynes via an Unexpected Dimerization/Polymerization Sequence of C3 Propargylic Electrophiles. Journal of the American Chemical Society, 2022, 144, 8807-8817.	13.7	4
25	Efficient O-deallylation triggered by cobalt hydride-catalyzed oxidative hydrofunctionalization. Green Synthesis and Catalysis, 2023, 4, 64-66.	6.8	3