

Hui Zhou

List of Publications by Year in descending order

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28
papers

909
citations

471477

17
h-index

526264

27
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35
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35
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35
times ranked

941
citing authors

#	ARTICLE	IF	CITATIONS
1	Efficient Mechanoluminescent Elastomers for Dual-Responsive Anticounterfeiting Device and Stretching/Strain Sensor with Multimode Sensibility. <i>Advanced Functional Materials</i> , 2018, 28, 1803168.	14.9	149
2	Mechanics-induced triple-mode anticounterfeiting and moving tactile sensing by simultaneously utilizing instantaneous and persistent mechanoluminescence. <i>Materials Horizons</i> , 2019, 6, 2003-2008.	12.2	99
3	Multilevel Static-Dynamic Anticounterfeiting Based on Stimuli-Responsive Luminescence in a Niobate Structure. <i>ACS Applied Materials & Interfaces</i> , 2019, 11, 20150-20156.	8.0	81
4	From Palladium to Brønsted Acid Catalysis: Highly Enantioselective Regiodivergent Addition of Alkoxyallenes to Pyrazolones. <i>Angewandte Chemie - International Edition</i> , 2017, 56, 1077-1081.	13.8	74
5	Brønsted Acid Accelerated Pd-Catalyzed Direct Asymmetric Allylic Alkylation of Azlactones with Simple Allylic Alcohols: A Practical Access to Quaternary Allylic Amino Acid Derivatives. <i>Organic Letters</i> , 2014, 16, 5350-5353.	4.6	51
6	Triarylphosphines as Aryl Donors for Pd(II)-Catalyzed Aromatic Coupling of Oxabenzonorbornadienes. <i>Organic Letters</i> , 2015, 17, 4628-4631.	4.6	49
7	Excellent fog droplets collector via an extremely stable hybrid hydrophobic-hydrophilic surface and Janus copper foam integrative system with hierarchical micro/nanostructures. <i>Journal of Colloid and Interface Science</i> , 2020, 561, 730-740.	9.4	43
8	Organocatalytic stereoselective cyanosilylation of small ketones. <i>Nature</i> , 2022, 605, 84-89.	27.8	37
9	Catalytic Asymmetric Synthesis of Unprotected β -Amino Acids. <i>Journal of the American Chemical Society</i> , 2021, 143, 3312-3317.	13.7	33
10	Optimization of strontium aluminate-based mechanoluminescence materials for occlusal examination of artificial tooth. <i>Materials Science and Engineering C</i> , 2018, 92, 374-380.	7.3	31
11	Confinement-Controlled, Either <i>syn</i> - or <i>anti</i> -Selective Catalytic Asymmetric Mukaiyama Aldolizations of Propionaldehyde Enolsilanes. <i>Journal of the American Chemical Society</i> , 2021, 143, 14475-14481.	13.7	30
12	AgNO ₃ as nitrogen source for rhodium(η^3)-catalyzed synthesis of 2-aryl-2H-benzotriazoles from azobenzenes. <i>Chemical Communications</i> , 2016, 52, 9589-9592.	4.1	28
13	The Silicon-Hydrogen Exchange Reaction: A Catalytic σ -Bond Metathesis Approach to the Enantioselective Synthesis of Enol Silanes. <i>Journal of the American Chemical Society</i> , 2020, 142, 13695-13700.	13.7	27
14	Organocatalytic Asymmetric Synthesis of Si-Stereogenic Silyl Ethers. <i>Journal of the American Chemical Society</i> , 2022, 144, 10156-10161.	13.7	27
15	Catalytic [2 + 2 + 2] cycloaddition with indium(η^3)-activated formaldimines: a practical and selective access to hexahydropyrimidines and 1,3-diamines from alkenes. <i>Chemical Science</i> , 2017, 8, 6520-6524.	7.4	24
16	From Palladium to Brønsted Acid Catalysis: Highly Enantioselective Regiodivergent Addition of Alkoxyallenes to Pyrazolones. <i>Angewandte Chemie</i> , 2017, 129, 1097-1101.	2.0	22
17	Multi-mode luminescent color self-evolution in one phosphor with energy storage activity for high-level information safety. <i>Materials Chemistry Frontiers</i> , 2021, 5, 2877-2886.	5.9	18
18	Efficient hydroarylation and hydroalkenylation of vinylarenes by Brønsted acid catalysis. <i>RSC Advances</i> , 2016, 6, 76780-76784.	3.6	17

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19	Amphiphilic rhomboidal metallacycles with aggregation-induced emission and aggregation-caused quenching luminogens for white-light emission and bioimaging. <i>Materials Chemistry Frontiers</i> , 2022, 6, 633-643.	5.9	12
20	Palladium-catalyzed highly atom-economical allylation of oxindoles with vinyl cyclopropanes. <i>Organic and Biomolecular Chemistry</i> , 2016, 14, 2191-2194.	2.8	11
21	Intelligent Solid Lubricant Materials with Failure Early-Warning Based on Triboluminescence. <i>Tribology Letters</i> , 2019, 67, 1.	2.6	11
22	Highly Efficient Direct Allylation of Oxindoles with Simple Allylic Alcohols Enabled by Palladium/Brønsted Acid Catalysis. <i>Synlett</i> , 2014, 25, 2149-2254.	1.8	8
23	Palladium catalyzed direct allylation of azlactones with simple allylic alcohols in the absence of any activators. <i>RSC Advances</i> , 2014, 4, 25596-25599.	3.6	8
24	Fe(III)-Based Tandem Catalysis for Amidomethylative Multiple Substitution Reactions of β -Substituted Styrene Derivatives. <i>ACS Catalysis</i> , 2020, 10, 10627-10636.	11.2	8
25	Rhodium-Catalyzed Double Alkyl-Oxygen Bond Cleavage: An Alkyl Transfer Reaction from Bis/Tris(<i>i</i> -alkyloxyphenyl)phosphine to Aryl Acids. <i>Organometallics</i> , 2016, 35, 3406-3412.	2.3	6
26	The Silicon-Hydrogen Exchange Reaction: Catalytic Kinetic Resolution of 2-Substituted Cyclic Ketones. <i>Synlett</i> , 0, 32, .	1.8	3
27	From Palladium to Brønsted Acid Catalysis: Highly Enantioselective Regiodivergent Addition of Alkoxyallenes to Pyrazolones (<i>Angew. Chem.</i> 4/2017). <i>Angewandte Chemie</i> , 2017, 129, 1180-1180.	2.0	1
28	Catalytic Amidomethylative [2+2+2] Cycloaddition of Formaldimine and Styrenes toward N-Heterocycles. <i>Synthesis</i> , 2022, 54, 2165-2174.	2.3	1