

# Zhu Rui

## List of Publications by Year in descending order

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19  
papers

576  
citations

687363

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794594

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times ranked

764  
citing authors

#	ARTICLE	IF	CITATIONS
1	Sulfonated N-Doped Carbon Nanotubes as Magnetic Solid Acid Catalysts for the Synthesis of Diphenolic Acid. <i>ACS Applied Nano Materials</i> , 2022, 5, 4214-4221.	5.0	2
2	Heterogeneous photocatalyzed acceptorless dehydrogenation of 5-hydroxymethylfurfural upon visible-light illumination. <i>Green Chemistry</i> , 2021, 23, 6604-6613.	9.0	23
3	Heterogeneous Cobalt-Catalyzed C-C Bond Cleavage in Alcohols to Carbonyl Compounds. <i>ChemCatChem</i> , 2021, 13, 4355.	3.7	7
4	Metal-free photocatalytic aerobic oxidation of biomass-based furfural derivatives to prepare $\gamma$ -butyrolactone. <i>Green Chemistry</i> , 2021, 23, 1758-1765.	9.0	13
5	Metal-free Photocatalytic Aerobic Oxidative Cleavage of C-C Bonds in 1,2-Diols. <i>ChemSusChem</i> , 2020, 13, 5248-5255.	6.8	11
6	Cascade conversion of furancarboxylic acid to butanediol diacetate over Pd/C and La(OTf) <sub>3</sub> catalytic system. <i>Applied Catalysis A: General</i> , 2020, 608, 117888.	4.3	2
7	A practical and concise homogeneous nickel catalyst for efficient solvent-free synthesis of $\gamma$ -valerolactone. <i>Green Chemistry</i> , 2020, 22, 3427-3432.	9.0	28
8	Synthesis of medium-chain carboxylic acids or $\alpha,\gamma$ -dicarboxylic acids from cellulose-derived platform chemicals. <i>Green Chemistry</i> , 2018, 20, 362-368.	9.0	31
9	Preparation of valeric acid and valerate esters from biomass-derived levulinic acid using metal triflates + Pd/C. <i>Green Chemistry</i> , 2018, 20, 3974-3980.	9.0	38
10	Skin-safe photothermal therapy enabled by responsive release of acid-activated membrane-disruptive polymer from polydopamine nanoparticle upon very low laser irradiation. <i>Biomaterials Science</i> , 2017, 5, 1596-1602.	5.4	21
11	A Comprehensive Study on Metal Triflate-Promoted Hydrogenolysis of Lactones to Carboxylic Acids: From Synthetic and Mechanistic Perspectives. <i>ACS Catalysis</i> , 2017, 7, 7520-7528.	11.2	33
12	Selective Conversion of 5-Hydroxymethylfurfuraldehyde Using Cp*Ir Catalysts in Aqueous Formate Buffer Solution. <i>ChemSusChem</i> , 2016, 9, 1209-1215.	6.8	41
13	Chemoselective oxidant-free dehydrogenation of alcohols in lignin using Cp*Ir catalysts. <i>Green Chemistry</i> , 2016, 18, 2029-2036.	9.0	83
14	Alkanes from Bioderived Furans by using Metal Triflates and Palladium-Catalyzed Hydrodeoxygenation of Cyclic Ethers. <i>ChemSusChem</i> , 2015, 8, 4250-4255.	6.8	28
15	Palladium-Catalyzed Catellani ortho-acylation Reaction: An Efficient and Regiospecific Synthesis of Diaryl Ketones. <i>Angewandte Chemie - International Edition</i> , 2015, 54, 12669-12672.	13.8	118
16	A Catalyst-Free Synthesis of Phosphinic Amides Using O-Benzoylhydroxylamines. <i>Organic Letters</i> , 2015, 17, 5862-5865.	4.6	32
17	N-Bromoacetamide-mediated domino cyclization and elimination of homoallylic trichloroacetimidates: a novel approach toward the synthesis of 1-bromo-2-amino-3-butene derivatives. <i>Organic and Biomolecular Chemistry</i> , 2014, 12, 6653.	2.8	3
18	Palladium-Catalyzed Chemoselective Catellani ortho-Arylation Reactions and Their Applications in Natural Products Synthesis. <i>Synlett</i> , 2013, 24, 2023-2031.	1.8	32

#	ARTICLE	IF	CITATIONS
19	A multi-functional porous cobalt catalyst for the selective hydrogenative ring-opening and rearrangement of furfural to cyclopentanol. <i>Materials Advances</i> , 0, , .	5.4	2