

# Jianguang Zhang

## List of Publications by Year in descending order

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34  
papers

4,227  
citations

186265

28  
h-index

361022

35  
g-index

38  
all docs

38  
docs citations

38  
times ranked

5482  
citing authors

#	ARTICLE	IF	CITATIONS
1	Support effects in the de-methoxylation of lignin monomer 4-propylguaiacol over molybdenum-based catalysts. <i>Fuel Processing Technology</i> , 2020, 199, 106224.	7.2	23
2	Formic acid-aided biomass valorization. <i>Current Opinion in Green and Sustainable Chemistry</i> , 2020, 24, 67-71.	5.9	5
3	Downstream processing of lignin derived feedstock into end products. <i>Chemical Society Reviews</i> , 2020, 49, 5510-5560.	38.1	305
4	Production of Terephthalic Acid from Corn Stover Lignin. <i>Angewandte Chemie</i> , 2019, 131, 4988-4991.	2.0	59
5	Production of Terephthalic Acid from Corn Stover Lignin. <i>Angewandte Chemie - International Edition</i> , 2019, 58, 4934-4937.	13.8	164
6	Ligands Modulate Reaction Pathway in the Hydrogenation of 4-Nitrophenol Catalyzed by Gold Nanoclusters. <i>ChemCatChem</i> , 2018, 10, 395-402.	3.7	47
7	Single-step conversion of lignin monomers to phenol: Bridging the gap between lignin and high-value chemicals. <i>Chinese Journal of Catalysis</i> , 2018, 39, 1445-1452.	14.0	81
8	Harnessing the Wisdom in Colloidal Chemistry to Make Stable Single-Atom Catalysts. <i>Advanced Materials</i> , 2018, 30, e1802304.	21.0	82
9	Catalytic transfer hydrogenolysis as an efficient route in cleavage of lignin and model compounds. <i>Green Energy and Environment</i> , 2018, 3, 328-334.	8.7	76
10	Efficient cleavage of aryl ether C-O linkages by Rh-Ni and Ru-Ni nanoscale catalysts operating in water. <i>Chemical Science</i> , 2018, 9, 5530-5535.	7.4	57
11	Production of Glucosamine from Chitin by Co-solvent Promoted Hydrolysis and Deacetylation. <i>ChemCatChem</i> , 2017, 9, 2790-2796.	3.7	66
12	Photocatalytic carboxylation of C-H bonds promoted by popped graphene oxide (PGO) either bare or loaded with CuO. <i>Journal of CO2 Utilization</i> , 2017, 20, 97-104.	6.8	22
13	Thermally stable single atom Pt/m-Al <sub>2</sub> O <sub>3</sub> for selective hydrogenation and CO oxidation. <i>Nature Communications</i> , 2017, 8, 16100.	12.8	545
14	Stabilizing a Platinum <sub>1</sub> Single-Atom Catalyst on Supported Phosphomolybdic Acid without Compromising Hydrogenation Activity. <i>Angewandte Chemie</i> , 2016, 128, 8459-8463.	2.0	80
15	NiAg Catalysts for Selective Hydrogenolysis of the Lignin C-O Bond. <i>Particle and Particle Systems Characterization</i> , 2016, 33, 610-619.	2.3	19
16	Direct Conversion of Mono- and Polysaccharides into 5-Hydroxymethylfurfural Using Ionic-Liquid Mixtures. <i>ChemSusChem</i> , 2016, 9, 2089-2096.	6.8	49
17	Stabilizing a Platinum <sub>1</sub> Single-Atom Catalyst on Supported Phosphomolybdic Acid without Compromising Hydrogenation Activity. <i>Angewandte Chemie - International Edition</i> , 2016, 55, 8319-8323.	13.8	350
18	Transformation of Chitin and Waste Shrimp Shells into Acetic Acid and Pyrrole. <i>ACS Sustainable Chemistry and Engineering</i> , 2016, 4, 3912-3920.	6.7	154

#	ARTICLE	IF	CITATIONS
19	Ni-based bimetallic heterogeneous catalysts for energy and environmental applications. <i>Energy and Environmental Science</i> , 2016, 9, 3314-3347.	30.8	556
20	Formic acid-mediated liquefaction of chitin. <i>Green Chemistry</i> , 2016, 18, 5050-5058.	9.0	71
21	Rh nanoparticles with NiO x surface decoration for selective hydrogenolysis of C O bond over arene hydrogenation. <i>Journal of Molecular Catalysis A</i> , 2016, 422, 188-197.	4.8	42
22	Chitinâ€Derived Mesoporous, Nitrogenâ€Containing Carbon for Heavyâ€Metal Removal and Styrene Epoxidation. <i>ChemPlusChem</i> , 2015, 80, 1556-1564.	2.8	87
23	Popping of Graphite Oxide: Application in Preparing Metal Nanoparticle Catalysts. <i>Advanced Materials</i> , 2015, 27, 4688-4694.	21.0	48
24	Aqueous-phase hydrogenation of alkenes and arenes: The growing role of nanoscale catalysts. <i>Catalysis Today</i> , 2015, 247, 96-103.	4.4	29
25	Base promoted hydrogenolysis of lignin model compounds and organosolv lignin over metal catalysts in water. <i>Chemical Engineering Science</i> , 2015, 123, 155-163.	3.8	153
26	Conversion of chitin derived N-acetyl-<sc>d</sc>-glucosamine (NAG) into polyols over transition metal catalysts and hydrogen in water. <i>Green Chemistry</i> , 2015, 17, 1024-1031.	9.0	94
27	A Metalâ€Free, Carbonâ€Based Catalytic System for the Oxidation of Lignin Model Compounds and Lignin. <i>ChemPlusChem</i> , 2014, 79, 825-834.	2.8	54
28	Rapid nanoparticle-catalyzed hydrogenations in triphasic millireactors with facile catalyst recovery. <i>Green Chemistry</i> , 2014, 16, 4654-4658.	9.0	26
29	A Series of NiM (M = Ru, Rh, and Pd) Bimetallic Catalysts for Effective Lignin Hydrogenolysis in Water. <i>ACS Catalysis</i> , 2014, 4, 1574-1583.	11.2	421
30	Highly efficient, NiAu-catalyzed hydrogenolysis of lignin into phenolic chemicals. <i>Green Chemistry</i> , 2014, 16, 2432-2437.	9.0	239
31	Acid-Catalyzed Chitin Liquefaction in Ethylene Glycol. <i>ACS Sustainable Chemistry and Engineering</i> , 2014, 2, 2081-2089.	6.7	93
32	Thermally responsive gold nanocatalysts based on a modified poly-vinylpyrrolidone. <i>Journal of Molecular Catalysis A</i> , 2013, 371, 29-35.	4.8	30
33	Transformation of sodium bicarbonate and CO2 into sodium formate over NiPd nanoparticle catalyst. <i>Frontiers in Chemistry</i> , 2013, 1, 17.	3.6	8
34	Thermoresponsive polymers based on poly-vinylpyrrolidone: applications in nanoparticle catalysis. <i>Chemical Communications</i> , 2010, 46, 1631.	4.1	91