

# Jun Zhao

## List of Publications by Citations

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The third column is the impact factor (IF) of the journal, and the fourth column is the number of citations of the article.

38  
papers

1,018  
citations

17  
h-index

31  
g-index

41  
ext. papers

1,393  
ext. citations

8.4  
avg, IF

4.91  
L-index

#	Paper	IF	Citations
38	Achieving excellent bandwidth absorption by a mirror growth process of magnetic porous polyhedron structures. <i>Nano Research</i> , <b>2016</b> , 9, 1813-1822	10	190
37	Efficient dehydration of fructose to 5-hydroxymethylfurfural over sulfonated carbon sphere solid acid catalysts. <i>Catalysis Today</i> , <b>2016</b> , 264, 123-130	5.3	98
36	A review of China's municipal solid waste (MSW) and comparison with international regions: Management and technologies in treatment and resource utilization. <i>Journal of Cleaner Production</i> , <b>2021</b> , 293, 126144	10.3	77
35	Multiscale characteristics dynamics of hydrochar from hydrothermal conversion of sewage sludge under sub- and near-critical water. <i>Bioresource Technology</i> , <b>2016</b> , 211, 486-93	11	66
34	Fe-, Ti-, Zr- and Al-pillared clays for efficient catalytic pyrolysis of mixed plastics. <i>Chemical Engineering Journal</i> , <b>2017</b> , 317, 800-809	14.7	61
33	Conventional and New Materials for Selective Catalytic Reduction (SCR) of NOx. <i>ChemCatChem</i> , <b>2018</b> , 10, 1499-1511	5.2	50
32	MOF-derived nickel and cobalt metal nanoparticles in a N-doped coral shaped carbon matrix of coconut leaf sheath origin for high performance supercapacitors and OER catalysis. <i>Electrochimica Acta</i> , <b>2018</b> , 265, 336-347	6.7	48
31	Nanobelt-arrayed vanadium oxide hierarchical microspheres as catalysts for selective oxidation of 5-hydroxymethylfurfural toward 2,5-diformylfuran. <i>Applied Catalysis B: Environmental</i> , <b>2017</b> , 207, 358-365	21.8	47
30	Bifunctional Sulfonated MoO <sub>3</sub> /ZrO <sub>2</sub> Binary Oxide Catalysts for the One-Step Synthesis of 2,5-Diformylfuran from Fructose. <i>ACS Sustainable Chemistry and Engineering</i> , <b>2018</b> , 6, 2976-2982	8.3	41
29	MoO <sub>3</sub> -Containing Protonated Nitrogen Doped Carbon as a Bifunctional Catalyst for One-Step Synthesis of 2,5-Diformylfuran from Fructose. <i>ACS Sustainable Chemistry and Engineering</i> , <b>2018</b> , 6, 284-291	8.3	37
28	Vanadium-embedded mesoporous carbon microspheres as effective catalysts for selective aerobic oxidation of 5-hydroxymethyl-2-furfural into 2, 5-diformylfuran. <i>Applied Catalysis A: General</i> , <b>2018</b> , 568, 16-22	5.1	30
27	Cr-MIL-101-Encapsulated Keggin Phosphomolybdic Acid as a Catalyst for the One-Pot Synthesis of 2,5-Diformylfuran from Fructose. <i>ChemCatChem</i> , <b>2017</b> , 9, 1187-1191	5.2	27
26	Synthesis of 3D mesoporous samarium oxide hydrangea microspheres for enzyme-free sensor of hydrogen peroxide. <i>Electrochimica Acta</i> , <b>2016</b> , 208, 231-237	6.7	23
25	Carboxymethyl chitosan-poly(amidoamine) dendrimer core-shell nanoparticles for intracellular lysozyme delivery. <i>Carbohydrate Polymers</i> , <b>2013</b> , 98, 1326-34	10.3	22
24	Ultra-effective integrated technologies for water disinfection with a novel 0D-2D-3D nanostructured rGO-AgNP/Bi <sub>2</sub> Fe <sub>4</sub> O <sub>9</sub> composite. <i>Applied Catalysis B: Environmental</i> , <b>2018</b> , 227, 548-556	21.8	20
23	Bifunctional carbon nanoplatelets as metal-free catalysts for direct conversion of fructose to 2,5-diformylfuran. <i>Catalysis Science and Technology</i> , <b>2020</b> , 10, 4179-4183	5.5	18
22	One-Step Approach to 2,5-Diformylfuran from Fructose over Molybdenum Oxides Supported on Carbon Spheres. <i>ACS Sustainable Chemistry and Engineering</i> , <b>2019</b> , 7, 315-323	8.3	17

21	Mechanistic and kinetic studies on biodiesel production catalyzed by an efficient pyridinium based ionic liquid. <i>Green Chemistry</i> , <b>2015</b> , 17, 4271-4280	10	16
20	Hydrothermally driven three-dimensional evolution of mesoporous hierarchical europium oxide hydrangea microspheres for non-enzymatic sensors of hydrogen peroxide detection. <i>Environmental Science: Nano</i> , <b>2016</b> , 3, 701-706	7.1	14
19	Sulfur-doped g-C <sub>3</sub> N <sub>4</sub> for efficient photocatalytic CO <sub>2</sub> reduction: insights by experiment and first-principles calculations. <i>Catalysis Science and Technology</i> , <b>2021</b> , 11, 1725-1736	5.5	12
18	Atomic-thin hexagonal CuCo nanocrystals with d-band tuning for CO <sub>2</sub> reduction. <i>Journal of Materials Chemistry A</i> , <b>2021</b> , 9, 7496-7502	13	11
17	A Coconut Leaf Sheath Derived Graphitized N-Doped Carbon Network for High-Performance Supercapacitors. <i>ChemElectroChem</i> , <b>2018</b> , 5, 284-291	4.3	11
16	Small Size Rh Nanoparticles in Micelle Nanostructure by Ionic Liquid/CTAB for Acceptorless Dehydrogenation of Alcohols Only in Pure Water. <i>ACS Sustainable Chemistry and Engineering</i> , <b>2017</b> , 5, 2056-2060	8.3	10
15	Understanding the role of hydrogen bonding in Brønsted acidic ionic liquid-catalyzed transesterification: a combined theoretical and experimental investigation. <i>Physical Chemistry Chemical Physics</i> , <b>2016</b> , 18, 32723-32734	3.6	10
14	Banana peel biochar with nanoflake-assembled structure for cross contamination treatment in water: Interaction behaviors between lead and tetracycline. <i>Chemical Engineering Journal</i> , <b>2021</b> , 420, 129807	14.7	10
13	Optimization of water replacement during leachate recirculation for two-phase food waste anaerobic digestion system with off-gas diversion. <i>Bioresource Technology</i> , <b>2021</b> , 335, 125234	11	9
12	Controlled Synthesis of 3D Nanoplate-Assembled La <sub>2</sub> O <sub>3</sub> Hierarchical Microspheres for Enzyme-Free Detection of Hydrogen Peroxide. <i>Advanced Materials Interfaces</i> , <b>2016</b> , 3, 1500833	4.6	8
11	Preparation of Mesoporous Dysprosium Oxide for Dynamic Hydrogen Peroxide Detection without Enzymes. <i>ChemElectroChem</i> , <b>2017</b> , 4, 96-101	4.3	7
10	Hierarchical Gadolinium Oxide Microspheres for Enzymeless Electro-biosensors in Hydrogen Peroxide Dynamic Detection. <i>ChemElectroChem</i> , <b>2017</b> , 4, 272-277	4.3	6
9	Ultrathin CuNi Nanosheets for CO <sub>2</sub> Reduction and O <sub>2</sub> Reduction Reaction in Fuel Cells <b>2021</b> , 3, 1143-1150		6
8	Influence of catalyst and solvent on the hydrothermal liquefaction of woody biomass. <i>Bioresource Technology</i> , <b>2021</b> , 346, 126354	11	4
7	Effect of Coordination Environment Surrounding a Single Pt Site on the Liquid-Phase Aerobic Oxidation of 5-Hydroxymethylfurfural. <i>ACS Applied Materials &amp; Interfaces</i> , <b>2021</b> , 13, 48582-48594	9.5	4
6	Recent advances of lignin valorization techniques toward sustainable aromatics and potential benchmarks to fossil refinery products. <i>Bioresource Technology</i> , <b>2021</b> , 126419	11	2
5	Hydroxyapatite-based catalysts derived from food waste digestate for efficient glucose isomerization to fructose. <i>Green Synthesis and Catalysis</i> , <b>2021</b> , 2, 356-356	9.3	2
4	An overview of nanomaterial-based novel disinfection technologies for harmful microorganisms: Mechanism, synthesis, devices and application.. <i>Science of the Total Environment</i> , <b>2022</b> , 837, 155720	10.2	2

3	Catalytic Hydrodeoxygenation of Guaiacol to Cyclohexanol over Bimetallic NiMo-MOF-Derived Catalysts. <i>Catalysts</i> , <b>2022</b> , 12, 371	4	1
2	Boosting the performance by the water solvation shell with hydrogen bonds on protonic ionic liquids: insights into the acid catalysis of the glycosidic bond. <i>Catalysis Science and Technology</i> , <b>2021</b> , 11, 3527-3538	5.5	0
1	Effects of hydration parameters on chemical properties of biocrudes based on machine learning and experiments.. <i>Bioresource Technology</i> , <b>2022</b> , 350, 126923	11	0