

# Jun Zhao

## List of Publications by Year in Descending Order

**Source:** <https://exaly.com/author-pdf/8903863/jun-zhao-publications-by-year.pdf>

**Version:** 2024-04-26

This document has been generated based on the publications and citations recorded by exaly.com. For the latest version of this publication list, visit the link given above.

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	Catalytic Hydrodeoxygenation of Guaiacol to Cyclohexanol over Bimetallic NiMo-MOF-Derived Catalysts. <i>Catalysts</i> , <b>2022</b> , 12, 371	4	1
37	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
36	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
35	Influence of catalyst and solvent on the hydrothermal liquefaction of woody biomass. <i>Bioresource Technology</i> , <b>2021</b> , 346, 126354	11	4
34	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
33	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
32	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
31	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
30	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
29	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
28	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
27	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
26	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
25	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
24	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
23	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
22	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

21	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
20	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
19	Conventional and New Materials for Selective Catalytic Reduction (SCR) of NO <sub>x</sub> . <i>ChemCatChem</i> , <b>2018</b> , 10, 1499-1511	5.2	50
18	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
17	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
16	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
15	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
14	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
13	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
12	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
11	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
10	Preparation of Mesoporous Dysprosium Oxide for Dynamic Hydrogen Peroxide Detection without Enzymes. <i>ChemElectroChem</i> , <b>2017</b> , 4, 96-101	4.3	7
9	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
8	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
7	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
6	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
5	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
4	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

3	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
2	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
1	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