

# Xiaoyue Wan

## List of Publications by Year in descending order

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Version: 2024-02-01

27  
papers

2,257  
citations

394421

19  
h-index

642732

23  
g-index

28  
all docs

28  
docs citations

28  
times ranked

2779  
citing authors

#	ARTICLE	IF	CITATIONS
1	IoT Security Techniques Based on Machine Learning: How Do IoT Devices Use AI to Enhance Security?. IEEE Signal Processing Magazine, 2018, 35, 41-49.	5.6	450
2	Base-Free Aerobic Oxidation of 5-Hydroxymethyl-furfural to 2,5-Furandicarboxylic Acid in Water Catalyzed by Functionalized Carbon Nanotube-Supported Au-Pd Alloy Nanoparticles. ACS Catalysis, 2014, 4, 2175-2185.	11.2	353
3	Chemical synthesis of lactic acid from cellulose catalysed by lead(II) ions in water. Nature Communications, 2013, 4, 2141.	12.8	327
4	Recent progress in heterogeneous metal and metal oxide catalysts for direct dehydrogenation of ethane and propane. Chemical Society Reviews, 2021, 50, 5590-5630.	38.1	181
5	Transformation of Cellulose and its Derived Carbohydrates into Formic and Lactic Acids Catalyzed by Vanadyl Cations. ChemSusChem, 2014, 7, 1557-1567.	6.8	148
6	PHY-Layer Authentication With Multiple Landmarks With Reduced Overhead. IEEE Transactions on Wireless Communications, 2018, 17, 1676-1687.	9.2	123
7	Functionalized Carbon Nanotubes for Biomass Conversion: The Base-Free Aerobic Oxidation of 5-Hydroxymethylfurfural to 2,5-Furandicarboxylic Acid over Platinum Supported on a Carbon Nanotube Catalyst. ChemCatChem, 2015, 7, 2853-2863.	3.7	113
8	Bimetallic PtFe-Catalyzed Selective Hydrogenation of Furfural to Furfuryl Alcohol: Solvent Effect of Isopropanol and Hydrogen Activation. ACS Sustainable Chemistry and Engineering, 2020, 8, 12722-12730.	6.7	61
9	Magnesia-supported gold nanoparticles as efficient catalysts for oxidative esterification of aldehydes or alcohols with methanol to methyl esters. Catalysis Today, 2014, 233, 147-154.	4.4	57
10	Anti-Jamming Underwater Transmission With Mobility and Learning. IEEE Communications Letters, 2018, 22, 542-545.	4.1	50
11	Oxidation of 5-hydroxymethylfurfural over a magnetic iron oxide decorated rGO supporting Pt nanocatalyst. Catalysis Today, 2019, 330, 92-100.	4.4	50
12	Molecular Design Strategy for Ordered Mesoporous Stoichiometric Metal Oxide. Angewandte Chemie - International Edition, 2019, 58, 15863-15868.	13.8	50
13	Learning-Based PHY-Layer Authentication for Underwater Sensor Networks. IEEE Communications Letters, 2019, 23, 60-63.	4.1	39
14	A CuMn <sub>2</sub> O <sub>4</sub> spinel oxide as a superior catalyst for the aerobic oxidation of 5-hydroxymethylfurfural toward 2,5-furandicarboxylic acid in aqueous solvent. Catalysis Science and Technology, 2021, 11, 1497-1509.	4.1	33
15	Interface synergy between IrOx and H-ZSM-5 in selective C=O hydrogenolysis of glycerol toward 1,3-propanediol. Journal of Catalysis, 2019, 375, 339-350.	6.2	31
16	Effect of Hydrotalcites Interlayer Water on Pt-Catalyzed Aqueous-Phase Selective Hydrogenation of Cinnamaldehyde. ACS Applied Materials & Interfaces, 2020, 12, 2516-2524.	8.0	28
17	Reinforcement Learning Based Mobile Offloading for Cloud-Based Malware Detection. , 2017, , .		27
18	One-Step Approach to 2,5-Diformylfuran from Fructose over Molybdenum Oxides Supported on Carbon Spheres. ACS Sustainable Chemistry and Engineering, 2019, 7, 315-323.	6.7	27

#	ARTICLE	IF	CITATIONS
19	Water-enhanced selective hydrogenation of cinnamaldehyde to cinnamyl alcohol on RuSnB/CeO <sub>2</sub> catalysts. <i>Applied Catalysis A: General</i> , 2019, 582, 117098.	4.3	23
20	On the effect of zeolite acid property and reaction pathway in Pd-catalyzed hydrogenation of furfural to cyclopentanone. <i>Fuel</i> , 2022, 314, 123074.	6.4	23
21	Learning-Based Rogue Edge Detection in VANETs with Ambient Radio Signals. , 2018, , .		15
22	FHY-layer authentication with multiple landmarks with reduced communication overhead. , 2017, , .		10
23	Reinforcement Learning with Safe Exploration for Network Security. , 2019, , .		10
24	Application of support vector machine on controlling the silanol groups of silica xerogel with the aid of segmented continuous flow reactor. <i>Chemical Engineering Science</i> , 2019, 199, 486-495.	3.8	10
25	Molecular Design Strategy for Ordered Mesoporous Stoichiometric Metal Oxide. <i>Angewandte Chemie</i> , 2019, 131, 16010-16015.	2.0	8
26	Application of electrochemical methods in heterogeneous catalysis. <i>Current Opinion in Chemical Engineering</i> , 2019, 26, 88-95.	7.8	6
27	Chemoselective Oxidation of Glycerol over Platinum-Based Catalysts: toward the Role of Oxide Promoter. <i>ChemCatChem</i> , 0, , .	3.7	2