

Yunqi Liu

List of Publications by Year in Descending Order

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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.

19
papers

1,669
citations

12
h-index

20
g-index

20
ext. papers

2,221
ext. citations

10.8
avg, IF

4.65
L-index

#	Paper	IF	Citations
19	Defect engineering technique for the fabrication of LaCoO ₃ perovskite catalyst via urea treatment for total oxidation of propane. <i>Applied Catalysis B: Environmental</i> , 2022 , 304, 121005	21.8	3
18	Assembly of sphere-structured MnO ₂ for total oxidation of propane: Structure-activity relationship and reaction mechanism determination. <i>Separation and Purification Technology</i> , 2022 , 284, 120269	8.3	0
17	High-precision synthesis of MnO ₂ nanowires with controllable crystal facets for propane oxidation. <i>CrystEngComm</i> , 2021 , 23, 7602-7614	3.3	1
16	Adsorption Site Selective Occupation Strategy within a Metal-Organic Framework for Highly Efficient Sieving Acetylene from Carbon Dioxide. <i>Angewandte Chemie</i> , 2021 , 133, 4620-4624	3.6	13
15	Adsorption Site Selective Occupation Strategy within a Metal-Organic Framework for Highly Efficient Sieving Acetylene from Carbon Dioxide. <i>Angewandte Chemie - International Edition</i> , 2021 , 60, 4570-4574	16.4	41
14	Density functional theory study of thiophene desulfurization and conversion of desulfurization products on the Ni(111) surface and Ni ₅₅ cluster: implication for the mechanism of reactive adsorption desulfurization over Ni/ZnO catalysts. <i>Catalysis Science and Technology</i> , 2021 , 11, 1615-1625	5.5	4
13	Experimental and density functional theory study of the synergistic effect between steam and SO ₂ on CO ₂ capture of calcium-based sorbents. <i>Fuel</i> , 2021 , 295, 120634	7.1	6
12	Fe-Doped Mn ₃ O ₄ Spinel Nanoparticles with Highly Exposed Feoctahedral Sites for Efficient Selective Catalytic Reduction (SCR) of NO with Ammonia at Low Temperatures. <i>ACS Catalysis</i> , 2020 , 10, 6803-6809	13.1	25
11	Design of assembled composite of Mn ₃ O ₄ @Graphitic carbon porous nano-dandelions: A catalyst for Low-temperature selective catalytic reduction of NO _x with remarkable SO ₂ resistance. <i>Applied Catalysis B: Environmental</i> , 2020 , 269, 118731	21.8	23
10	Reaction environment self-modification on low-coordination Ni ²⁺ octahedra atomic interface for superior electrocatalytic overall water splitting. <i>Nano Research</i> , 2020 , 13, 3068-3074	10	20
9	Study on the NO ₂ production pathways and the role of NO ₂ in fast selective catalytic reduction DeNO _x at low-temperature over MnO _x /TiO ₂ catalyst. <i>Chemical Engineering Journal</i> , 2020 , 379, 122288	14.7	26
8	Neutral-pH overall water splitting catalyzed efficiently by a hollow and porous structured ternary nickel sulfoselenide electrocatalyst. <i>Journal of Materials Chemistry A</i> , 2019 , 7, 16793-16802	13	43
7	Multiple modulations of pyrite nickel sulfides via metal heteroatom doping engineering for boosting alkaline and neutral hydrogen evolution. <i>Journal of Materials Chemistry A</i> , 2019 , 7, 25628-25640	13	40
6	Core-Shell ZIF-8@ZIF-67-Derived CoP Nanoparticle-Embedded N-Doped Carbon Nanotube Hollow Polyhedron for Efficient Overall Water Splitting. <i>Journal of the American Chemical Society</i> , 2018 , 140, 2610-2618	16.4	1073
5	Tunable 3D hierarchical Ni ₃ S ₂ superstructures as efficient and stable bifunctional electrocatalysts for both H ₂ and O ₂ generation. <i>Journal of Materials Chemistry A</i> , 2018 , 6, 4485-4493	13	56
4	Targeted bottom-up synthesis of 1T-phase MoS ₂ arrays with high electrocatalytic hydrogen evolution activity by simultaneous structure and morphology engineering. <i>Nano Research</i> , 2018 , 11, 4368-4379	10.32	32
3	Three-dimensional-networked Ni ₂ P/Ni ₃ S ₂ heteronanoflake arrays for highly enhanced electrochemical overall-water-splitting activity. <i>Nano Energy</i> , 2018 , 51, 26-36	17.1	249

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| 2 | Product distribution and catalytic performance of nano-sized H-ZSM-5 zeolites in the methanol-to-aromatics (MTA) reaction. <i>Petroleum Science and Technology</i> , 2017 , 35, 955-962 | 1.4 | 6 |
| 1 | Synthesis and characterization of emulsion-type curing agent of water-borne epoxy resin. <i>Journal of Applied Polymer Science</i> , 2013 , 130, 2652-2659 | 2.9 | 8 |