

Yan-Yan Liu

List of Publications by Year in descending order

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51
papers

2,528
citations

201674
27
h-index

197818
49
g-index

51
all docs

51
docs citations

51
times ranked

3235
citing authors

#	ARTICLE	IF	CITATIONS
1	Engineering Vacancy-Atom Ensembles to Boost Catalytic Activity toward Hydrogen Evolution. Energy and Environmental Materials, 2023, 6, .	12.8	12
2	Co ₂ N Nanoparticles Anchored on N-Doped Active Carbon as Catalyst for Oxygen Reduction Reaction in Zinc-Air Battery. Energy and Environmental Materials, 2022, 5, 935-943.	12.8	17
3	Wood-derived integrated air electrode with Co-N sites for rechargeable zinc-air batteries. Nano Research, 2022, 15, 1415-1423.	10.4	22
4	Co@C,MnO-NAC <i>via</i> selective wrapping for effective oxygen electrocatalysis in rechargeable Zn-air batteries. Sustainable Energy and Fuels, 2022, 6, 791-799.	4.9	2
5	Ru@Carbon Nanotube Composite Microsponge: Fabrication in Supercritical CO ₂ for Hydrogenation of p-Chloronitrobenzene. Nanomaterials, 2022, 12, 539.	4.1	1
6	Co-Based Nanoparticles Fabricated on Ni Foams for Efficient Hydrogen Generation from Ammonia Borane. ACS Applied Nano Materials, 2022, 5, 5064-5074.	5.0	11
7	Atomic-bridge structure in B-Co-P dual-active sites on boron nitride nanosheets for catalytic hydrogen generation. Applied Catalysis B: Environmental, 2022, 314, 121495.	20.2	40
8	Atomic Interface-Exciting Catalysis on Cobalt Nitride-Oxide for Accelerating Hydrogen Generation. Small, 2022, 18, e2107417.	10.0	25
9	Coupling Fe ₃ C Nanoparticles and N-Doping on Wood-Derived Carbon to Construct Reversible Cathode for Zn-Air Batteries. Small, 2022, 18, .	10.0	29
10	Bi ₂ S ₃ Nanorods Hosted on rGO Sheets from Pyrolysis of Molecular Precursors for Efficient Li-Ion Storage. Energy and Environmental Materials, 2021, 4, 577-585.	12.8	17
11	Co/N-Doped hierarchical porous carbon as an efficient oxygen electrocatalyst for rechargeable Zn-air battery. RSC Advances, 2021, 11, 15753-15761.	3.6	10
12	Ensemble-boosting effect of Ru-Cu alloy on catalytic activity towards hydrogen evolution in ammonia borane hydrolysis. Applied Catalysis B: Environmental, 2021, 287, 119960.	20.2	82
13	Advances and Prospects in Metal-Organic Frameworks as Key Nexus for Chemocatalytic Hydrogen Production. Small, 2021, 17, e2102201.	10.0	12
14	Surface Phosphorus-Induced CoO Coupling to Monolithic Carbon for Efficient Air Electrode of Quasi-Solid-State Zn-Air Batteries. Advanced Science, 2021, 8, e2101314.	11.2	51
15	Tuning surface d charge of Ni-Ru alloys for unprecedented catalytic activity towards hydrogen generation from ammonia borane hydrolysis. Applied Catalysis B: Environmental, 2021, 291, 120094.	20.2	66
16	Wood-Derived Integral Air Electrode for Enhanced Interfacial Electrocatalysis in Rechargeable Zinc-Air Battery. Small, 2021, 17, e2101607.	10.0	47
17	Benzylamine oxidation boosted electrochemical water-splitting: Hydrogen and benzonitrile co-production at ultra-thin Ni ₂ P nanomeshes grown on nickel foam. Applied Catalysis B: Environmental, 2020, 268, 118393.	20.2	100
18	Enhancing effect of Fe-doping on the activity of nano Ni catalyst towards hydrogen evolution from NH ₃ BH ₃ . Applied Catalysis B: Environmental, 2020, 265, 118612.	20.2	100

#	ARTICLE	IF	CITATIONS
19	Nitrogen and phosphorus modification to enhance the catalytic activity of biomass-derived carbon toward the oxygen reduction reaction. <i>Sustainable Energy and Fuels</i> , 2020, 4, 2707-2717.	4.9	32
20	The Proportion of Fe _N X, N Doping Species and Fe ₃ C to Oxygen Catalytic Activity in Core-Shell Fe _N /C Electrocatalyst. <i>Chemistry - an Asian Journal</i> , 2020, 15, 310-318.	3.3	4
21	Ru-Fe nanoalloys supported on N-doped carbon as efficient catalysts for hydrogen generation from ammonia borane. <i>Sustainable Energy and Fuels</i> , 2020, 4, 3677-3686.	4.9	31
22	Interfacial effect of Co ₄ S ₃ @Co ₉ S ₈ nanoparticles hosted on rGO sheets derived from molecular precursor pyrolysis on enhancing electrochemical behaviour. <i>Catalysis Science and Technology</i> , 2020, 10, 3622-3634.	4.1	11
23	Defect-Rich, Graphenelike Carbon Sheets Derived from Biomass as Efficient Electrocatalysts for Rechargeable Zinc-Air Batteries. <i>ACS Sustainable Chemistry and Engineering</i> , 2020, 8, 2981-2989.	6.7	65
24	Molybdenum, Cobalt Sulfide-Modified N-, S-Doped Graphene from Low-Temperature Molecular Pyrolysis: Mutual Activation Effect for Hydrogen Evolution. <i>ACS Sustainable Chemistry and Engineering</i> , 2019, 7, 19442-19452.	6.7	9
25	Magnetic CoOx@C-Reduced graphene oxide composite with catalytic activity towards hydrogen generation. <i>International Journal of Hydrogen Energy</i> , 2019, 44, 28163-28172.	7.1	17
26	Pitaya pulp structural cobalt-carbon composite for efficient hydrogen generation from borohydride hydrolysis. <i>Journal of Alloys and Compounds</i> , 2019, 808, 151774.	5.5	13
27	An assembly of carbon dots and carbon sheets from plant biomass for excellent oxygen reduction reaction. <i>Sustainable Energy and Fuels</i> , 2019, 3, 3172-3181.	4.9	9
28	Efficient carbon-based catalyst derived from natural cattail fiber for hydrogen evolution reaction. <i>Journal of Solid State Chemistry</i> , 2019, 274, 207-214.	2.9	42
29	Birdcage-Type CoO _x -Carbon Catalyst Derived from Metal-Organic Frameworks for Enhanced Hydrogen Generation. <i>ACS Sustainable Chemistry and Engineering</i> , 2019, 7, 9782-9792.	6.7	48
30	Co-, Fe-, and N-Modified Carbon Composites for Excellent Catalytic Performances toward Electrochemical Reduction Reaction. <i>ACS Sustainable Chemistry and Engineering</i> , 2019, 7, 8744-8754.	6.7	14
31	Catalytically Active Carbon From Cattail Fibers for Electrochemical Reduction Reaction. <i>Frontiers in Chemistry</i> , 2019, 7, 786.	3.6	29
32	Hollow carbonaceous microspheres-reduced graphene oxide enhances lithium storage performance of SnO ₂ -based anode. <i>Journal of Solid State Chemistry</i> , 2019, 270, 553-562.	2.9	3
33	Local Plant-Derived Carbon Sheets as Sustainable Catalysts for Efficient Oxygen Reduction Reaction. <i>ACS Sustainable Chemistry and Engineering</i> , 2019, 7, 2107-2115.	6.7	26
34	Defect-rich (Co ₂ S ₃) _x @Co ₉ S ₈ nanosheets derived from monomolecular precursor pyrolysis with excellent catalytic activity for hydrogen evolution reaction. <i>Journal of Materials Chemistry A</i> , 2018, 6, 7977-7987.	10.3	46
35	CoP nanoparticles anchored on N,P-dual-doped graphene-like carbon as a catalyst for water splitting in non-acidic media. <i>Nanoscale</i> , 2018, 10, 2603-2612.	5.6	96
36	Reaction of Co ₃ O ₄ Nanocrystals on Graphene Sheets to Fabricate Excellent Catalysts for Hydrogen Generation. <i>ACS Sustainable Chemistry and Engineering</i> , 2018, 6, 8427-8436.	6.7	35

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37	Multimetallic Ni@Mo/Cu nanowires as nonprecious and efficient full water splitting catalyst. Journal of Materials Chemistry A, 2017, 5, 4207-4214.	10.3	83
38	Co-Co ₃ O ₄ @carbon core-shell structures derived from metal-organic framework nanocrystals as efficient hydrogen evolution catalysts. Nano Research, 2017, 10, 3035-3048.	10.4	106
39	Nitrogen-doped Fe ₃ C@C particles as an efficient heterogeneous photo-assisted Fenton catalyst. RSC Advances, 2017, 7, 15168-15175.	3.6	26
40	Nanoporous Carbon Derived from Core-shell Structures through the Template-Activation Method for Effective Adsorption of Dyes. ACS Omega, 2016, 1, 491-497.	3.5	5
41	Magnetic Co@g-C ₃ N ₄ Core-shell Structures on rGO Sheets for Momentum Transfer with Catalytic Activity toward Continuous-Flow Hydrogen Generation. Langmuir, 2016, 32, 6272-6281.	3.5	67
42	Structural Evolution of Co-Based Metal Organic Frameworks in Pyrolysis for Synthesis of Core-shell Structures on Nanosheets: Co@CoO _x @Carbon-rGO Composites for Enhanced Hydrogen Generation Activity. ACS Applied Materials & Interfaces, 2016, 8, 15430-15438.	8.0	53
43	Magnetic catalysts as nanoactuators to achieve simultaneous momentum-transfer and continuous-flow hydrogen production. Journal of Materials Chemistry A, 2016, 4, 4280-4287.	10.3	35
44	Transition metals (Fe, Co, and Ni) encapsulated in nitrogen-doped carbon nanotubes as bi-functional catalysts for oxygen electrode reactions. Journal of Materials Chemistry A, 2016, 4, 1694-1701.	10.3	460
45	Anchoring superparamagnetic core-shell structures onto reduced graphene oxide: fabrication of Ni@carbon-rGO nanocomposite for effective adsorption and separation. RSC Advances, 2015, 5, 10033-10039.	3.6	11
46	Highly dual-doped multilayer nanoporous graphene: efficient metal-free electrocatalysts for the hydrogen evolution reaction. Journal of Materials Chemistry A, 2015, 3, 12642-12645.	10.3	83
47	Improving the anode performances of TiO ₂ @carbon-rGO composites in lithium ion batteries by UV irradiation. New Journal of Chemistry, 2015, 39, 9345-9350.	2.8	6
48	Iron Carbide Nanoparticles Encapsulated in Mesoporous Fe@N-Doped Graphene-Like Carbon Hybrids as Efficient Bifunctional Oxygen Electrocatalysts. ACS Applied Materials & Interfaces, 2015, 7, 21511-21520.	8.0	262
49	Hierarchically porous AlPO-5-based microspheres as heterogeneous catalysts for the synthesis of 5-substituted 1H-tetrazoles via [3+2] cycloaddition. New Journal of Chemistry, 2014, 38, 3078-3083.	2.8	34
50	Template-Assisted Synthesis of Co,Mn-MOFs with Magnetic Properties Based on Pyridinedicarboxylic Acid. Crystal Growth and Design, 2012, 12, 3505-3513.	3.0	81
51	External Template-Assisted Self-Assembly: Design and Synthesis of 4,4'-bipy-Based Mo(W)/Cu/S Heterothiometallic Polymeric Clusters Directed by 1,1'-Bis(pyridinium)methylene Cation. Crystal Growth and Design, 2011, 11, 3448-3455.	3.0	42