Yuxin Zhao

List of Publications by Year
in descending order

39 papers	1,651 citations	304368 22 h-index	288905 40 g-index
40 all docs	40 docs citations	40 times ranked	2741 citing authors

#	Article	IF	Citations
1	Construction of novel three dimensionally ordered macroporous carbon nitride for highly efficient photocatalytic activity. Applied Catalysis B: Environmental, 2016, 198, 276-285.	10.8	149
2	Cation exchanged MOF-derived nitrogen-doped porous carbons for CO₂capture and supercapacitor electrode materials. Journal of Materials Chemistry A, 2017, 5, 9544-9552.	5.2	149
3	UiO-66-Coated Mesh Membrane with Underwater Superoleophobicity for High-Efficiency Oilâ€“Water Separation. ACS Applied Materials & Interfaces, 2018, 10, 17301-17308.	4.0	120
4	Highly efficient charge transfer at 2D/2D layered P-La2Ti2O7/Bi2WO6 contact heterojunctions for upgraded visible-light-driven photocatalysis. Applied Catalysis B: Environmental, 2020, 261, 118244.	10.8	118
5	Hyper-Branched Cu@Cu₂O Coaxial Nanowires Mesh Electrode for Ultra-Sensitive Glucose Detection.. ACS Applied Materials & Interfaces, 2015, 7, 16802-16812.	4.0	99
6	Two-Dimensional Amorphous SnO_x from Liquid Metal: Mass Production, Phase Transfer, and Electrocatalytic CO₂ Reduction toward Formic Acid. Nano Letters, 2020, 20, 2916-2922.	4.5	97
7	Pillararene/Calixarene-based systems for battery and supercapacitor applications. EScience, 2021, 1, 28-43.	25.0	97
8	Selectivity regulation of CO2 electroreduction through contact interface engineering on superwetting Cu nanoarray electrodes. Nano Research, 2019, 12, 345-349.	5.8	80
9	Epitaxial growth of hyperbranched Cu/Cu2O/CuO core-shell nanowire heterostructures for lithium-ion batteries. Nano Research, 2015, 8, 2763-2776.	5.8	68
10	Hierarchical branched Cu₂O nanowires with enhanced photocatalytic activity and stability for H₂production. Nanoscale, 2014, 6, 195-198.	2.8	61
11	Self-assembly of Au@Ag coreâ€“shell nanocuboids into staircase superstructures by droplet evaporation. Nanoscale, 2018, 10, 142-149.	2.8	44
12	Soft synthesis of single-crystal coppernanowires of various scales. New Journal of Chemistry, 2012, 36, 130-138.	1.4	42
13	Facile preparation of Cuâ€“Cu2O nanoporous nanoparticles as a potential catalyst for non-enzymatic glucose sensing. RSC Advances, 2013, 3, 2178.	1.7	40
14	Copper@carbon coaxial nanowires synthesized by hydrothermal carbonization process from electroplating wastewater and their use as an enzyme-free glucose sensor. Analyst, The, 2013, 138, 559-568.	1.7	39
15	Superaerophilic copper nanowires for efficient and switchable CO₂ electroreduction. Nanoscale Horizons, 2019, 4, 490-494.	4.1	39
16	Engineering a Copper@Polypyrrole Nanowire Network in the Near Field for Plasmon-Enhanced Solar Evaporation. ACS Nano, 2021, 15, 16376-16394.	7.3	39
17	Pillararene-based self-assemblies for electrochemical biosensors. Biosensors and Bioelectronics, 2021, 181, 113164.	5.3	37
18	Rapid and large-scale synthesis of Cu nanowires via a continuous flow solvothermal process and its application in dye-sensitized solar cells (DSSCs). RSC Advances, 2012, 2, 11544.	1.7	35

#	Article	IF	Citations
19	A flexible chemical vapor deposition method to synthesize copper@carbon coreâ€“shell structured nanowires and the study of their structural electrical properties. New Journal of Chemistry, 2012, 36, 1161.	1.4	27
20	Heterogenization of few-layer MoS2 with highly crystalline 3D Ni3S2 nanoframes effectively synergizes the electrocatalytic hydrogen generation in alkaline medium. Materials Today Energy, 2019, 13, 85-92.	2.5	26
21	Pd-loaded SnO₂ hierarchical nanospheres for a high dynamic range H₂S micro sensor. RSC Advances, 2019, 9, 5987-5994.	1.7	25
22	A stable ZIF-8-coated mesh membrane with micro-/nano architectures produced by a facile fabrication method for high-efficiency oil-water separation. Science China Materials, 2019, 62, 536-544.	3.5	25
23	PdO/SnO₂ heterostructure for low-temperature detection of CO with fast response and recovery. RSC Advances, 2019, 9, 22875-22882.	1.7	23
24	Engineering Interfacial Aerophilicity of Nickel-Embedded Nitrogen-Doped CNTs for Electrochemical CO₂ Reduction. ACS Applied Energy Materials, 2019, 2, 3991-3998.	2.5	23
25	Growth of copper oxide nanocrystals in metallic nanotubes for high performance battery anodes. Nanoscale, 2016, 8, 19994-20000.	2.8	20
26	Ultrafine nanoparticles of W-doped SnO2for durable H2S sensors with fast response and recovery. RSC Advances, 2019, 9, 11046-11053.	1.7	19
27	Facile preparation of novel hydrophobic sponges coated by Cu2O with different crystal facet structure for selective oil absorption and oil/water separation. Journal of Materials Science, 2018, 53, 10025-10038.	1.7	15
28	The investigation of a hydro-thermal method to fabricate Cu@C coaxial nanowires and their special electronic transport and heat conduction properties. New Journal of Chemistry, 2012, 36, 1255.	1.4	14
29	Au nanowires with high aspect ratio and atomic shell of Pt-Ru alloy for enhanced methanol oxidation reaction. Chinese Chemical Letters, 2021, 32, 2033-2037.	4.8	14
30	State-of-the-art progress in overall water splitting of carbon nitride based photocatalysts. Frontiers in Energy, 2021, 15, 600-620.	1.2	13
31	PVP-assisted synthesis of unsupported NiMo catalysts with enhanced hydrodesulfurization activity. Fuel Processing Technology, 2017, 160, 93-101.	3.7	12
32	Large-scale synthesis of Cu nanowires with gradient scales by using â€œhardâ€•strategies and size effects on electrical properties. CrystEngComm, 2013, 15, 332-342.	1.3	8
33	Electronic Structure Engineering of 2D Carbon Nanosheets by Evolutionary Nitrogen Modulation for Synergizing CO₂ Electroreduction. ACS Applied Energy Materials, 2019, 2, 3151-3159.	2.5	7
34	Two-dimensional oxide derived from high-temperature liquid metals via bubble templating. Nano Research, 2021, 14, 4795-4801.	5.8	7
35	Bioapplication of cyclodextrin-containing montmorillonite. Journal of Materials Chemistry B, 2021, 9, 9241-9261.	2.9	7
36	Cyclodextrin-Based Aerogels: A Review of Nanomaterials Systems and Applications. ACS Applied Nano Materials, 2022, 5, 13921-13939.	2.4	4

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37	A general method for ultrathin 1D oxide nanomaterials. Nanoscale, 2017, 9, 12830-12834.	2.8	2
38	Schottky Contacts Regularized Linear Regression for Signal Inconsistency Circumvent in Resistive Gas Microâ€Nanosensors. Small Methods, 2021, 5, e2101194.	4.6	2
39	Advanced Materials and Nanotechnology for Sustainable Energy Development. Journal of Nanotechnology, 2015, 2015, 1-1.	1.5	1