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	Cyclodextrin-Based Aerogels: A Review of Nanomaterials Systems and Applications. ACS Applied Nano Materials, 2022, 5, 13921-13939.	2.4	4
2	Two-dimensional oxide derived from high-temperature liquid metals via bubble templating. Nano Research, 2021, 14, 4795-4801.	5.8	7
3	State-of-the-art progress in overall water splitting of carbon nitride based photocatalysts. Frontiers in Energy, 2021, 15, 600-620.	1.2	13
4	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
5	Pillararene-based self-assemblies for electrochemical biosensors. Biosensors and Bioelectronics, 2021, 181, 113164.	5.3	37
6	Bioapplication of cyclodextrin-containing montmorillonite. Journal of Materials Chemistry B, 2021, 9, 9241-9261.	2.9	7
7	Pillararene/Calixarene-based systems for battery and supercapacitor applications. EScience, 2021, 1, 28-43.	25.0	97
8	Engineering a Copper@Polypyrrole Nanowire Network in the Near Field for Plasmon-Enhanced Solar Evaporation. ACS Nano, 2021, 15, 16376-16394.	7.3	39
9	Schottky Contacts Regularized Linear Regression for Signal Inconsistency Circumvent in Resistive Gas Microâ€Nanosensors. Small Methods, 2021, 5, e2101194.	4.6	2
10	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
11	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
12	PdO/SnO₂ heterostructure for low-temperature detection of CO with fast response and recovery. RSC Advances, 2019, 9, 22875-22882.	1.7	23
13	Superaerophilic copper nanowires for efficient and switchable CO₂ electroreduction. Nanoscale Horizons, 2019, 4, 490-494.	4.1	39
14	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
15	Engineering Interfacial Aerophilicity of Nickel-Embedded Nitrogen-Doped CNTs for Electrochemical CO₂ Reduction. ACS Applied Energy Materials, 2019, 2, 3991-3998.	2.5	23
16	Pd-loaded SnO₂ hierarchical nanospheres for a high dynamic range H₂S micro sensor. RSC Advances, 2019, 9, 5987-5994.	1.7	25
17	Ultrafine nanoparticles of W-doped SnO2for durable H2S sensors with fast response and recovery. RSC Advances, 2019, 9, 11046-11053.	1.7	19
18	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

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19	Selectivity regulation of CO2 electroreduction through contact interface engineering on superwetting Cu nanoarray electrodes. Nano Research, 2019, 12, 345-349.	5.8	80
20	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
21	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
22	Self-assembly of Au@Ag coreâ€“shell nanocuboids into staircase superstructures by droplet evaporation. Nanoscale, 2018, 10, 142-149.	2.8	44
23	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
24	PVP-assisted synthesis of unsupported NiMo catalysts with enhanced hydrodesulfurization activity. Fuel Processing Technology, 2017, 160, 93-101.	3.7	12
25	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
26	A general method for ultrathin 1D oxide nanomaterials. Nanoscale, 2017, 9, 12830-12834.	2.8	2
27	Growth of copper oxide nanocrystals in metallic nanotubes for high performance battery anodes. Nanoscale, 2016, 8, 19994-20000.	2.8	20
28	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
29	Advanced Materials and Nanotechnology for Sustainable Energy Development. Journal of Nanotechnology, 2015, 2015, 1-1.	1.5	1
30	Hyper-Branched Cu@Cu₂O Coaxial Nanowires Mesh Electrode for Ultra-Sensitive Glucose Detection.. ACS Applied Materials & Interfaces, 2015, 7, 16802-16812.	4.0	99
31	Epitaxial growth of hyperbranched Cu/Cu2O/CuO core-shell nanowire heterostructures for lithium-ion batteries. Nano Research, 2015, 8, 2763-2776.	5.8	68
32	Hierarchical branched Cu₂O nanowires with enhanced photocatalytic activity and stability for H₂production. Nanoscale, 2014, 6, 195-198.	2.8	61
33	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
34	Facile preparation of Cuâ€“Cu2O nanoporous nanoparticles as a potential catalyst for non-enzymatic glucose sensing. RSC Advances, 2013, 3, 2178.	1.7	40
35	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
36	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

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37	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
38	Soft synthesis of single-crystal coppernanowires of various scales. New Journal of Chemistry, 2012, 36, 130-138.	1.4	42
39	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