Yi Zeng

List of Publications by Year in descending order

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46 papers	2,360 citations	159585 30 h-index	233421 45 g-index
46 all docs	46 docs citations	46 times ranked	2838 citing authors

#	Article	IF	Citations
1	Coaxial cable-like dual conductive channel strategy in polypyrrole coated perovskite lanthanum manganite for high-performance asymmetric supercapacitors. Journal of Colloid and Interface Science, 2022, 610, 601-609.	9.4	26
2	Molybdenum disulfide loading on a Z-scheme graphitic carbon nitride and lanthanum nickelate heterojunction for enhanced photocatalysis: Interfacial charge transfer and mechanistic insights. Journal of Colloid and Interface Science, 2022, 611, 684-694.	9.4	55
3	Novel Au-activated SnO2@Fe2O3 hetero-alternated multilayer nanosheets with enhanced low-concentration acetone detection. Sensors and Actuators B: Chemical, 2022, 358, 131478.	7.8	8
4	Facile construction of bowknot-like CuO architectures for improved xylene gas sensing properties. New Journal of Chemistry, 2022, 46, 6783-6792.	2.8	2
5	Flexible NH3 gas sensor based on porous nanosheet-assembled ZnFe2O4/polyaniline yolk-shell microspheres. , 2021, , .		1
6	Bimetal carbonaceous templates for multi-shelled NiCo2O4 hollow sphere with enhanced xylene detection. Sensors and Actuators B: Chemical, 2021, 339, 129862.	7.8	31
7	Boosting Zn²⁺ and NH₄⁺ Storage in Aqueous Media via Inâ€Situ Electrochemical Induced VS₂/VO_x Heterostructures. Advanced Functional Materials, 2021, 31, 2008743.	14.9	92
8	Entropy Stabilization Effect and Oxygen Vacancies Enabling Spinel Oxide Highly Reversible Lithium-Ion Storage. ACS Applied Materials & Interfaces, 2021, 13, 58674-58681.	8.0	42
9	Localized inside-out Ostwald ripening of hybrid double-shelled cages into SnO₂ triple-shelled hollow cubes for improved toluene detection. Nanoscale, 2020, 12, 2011-2021.	5.6	12
10	Porous SnO2 triple-shelled hollow nanoboxes for high sensitive toluene detection. Materials Letters, 2020, 264, 127320.	2.6	7
11	Enhanced ammonia detection using wrinkled porous CoFe2O4 double-shelled spheres prepared by a thermally driven contraction process. Sensors and Actuators B: Chemical, 2020, 314, 128085.	7.8	31
12	Synthesis of porous nanosheet-assembled ZnFe2O4@polypyrrole yolk-shell microspheres as anode materials for high-rate lithium-ion batteries. Journal of Electroanalytical Chemistry, 2020, 863, 114038.	3.8	17
13	Anode Materials: Nanosheetsâ€Assembled CuSe Crystal Pillar as a Stable and Highâ€Power Anode for Sodiumâ€Ion and Potassiumâ€Ion Batteries (Adv. Energy Mater. 20/2019). Advanced Energy Materials, 2019, 9, 1970073.	19.5	3
14	Nanotube-assembled pine-needle-like CuS as an effective energy booster for sodium-ion storage. Journal of Materials Chemistry A, 2019, 7, 10619-10628.	10.3	70
15	Nanosheetsâ€Assembled CuSe Crystal Pillar as a Stable and Highâ€Power Anode for Sodiumâ€Ion and Potassiumâ€Ion Batteries. Advanced Energy Materials, 2019, 9, 1900323.	19.5	187
16	Ultrathin nanorod-assembled SnO2 hollow cubes for high sensitive n-butanol detection. Sensors and Actuators B: Chemical, 2019, 283, 693-704.	7.8	43
17	Controllable assembly of sandwich-structured SnO2/Fe2O3 multilayer nanosheets for high sensitive acetone detection. Materials Letters, 2018, 221, 57-61.	2.6	6
18	Fast Potassium Storage in Hierarchical Ca_{0.5}Ti₂(PO₄)₃@C Microspheres Enabling Highâ€Performance Potassiumâ€Ion Capacitors. Advanced Functional Materials, 2018, 28, 1802684.	14.9	153

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19	Pd-loaded SnO2 ultrathin nanorod-assembled hollow microspheres with the significant improvement for toluene detection. Sensors and Actuators B: Chemical, 2017, 243, 465-474.	7.8	42
20	Controllable formation of multi-layered SnO₂@Fe₂O₃ sandwich cubes as a high-performance anode for Li-ion batteries. Nanoscale, 2017, 9, 17576-17584.	5.6	39
21	Enhanced toluene sensing performances of Pd- loaded SnO2 cubic nanocages with porous nanoparticle-assembled shells. Sensors and Actuators B: Chemical, 2017, 241, 1121-1129.	7.8	42
22	Multistep synthesis of non-spherical SnO 2 @SnO 2 yolk-shell cuboctahedra with nanoparticle-assembled porous structure for toluene detection. Sensors and Actuators B: Chemical, 2016, 231, 365-375.	7.8	32
23	Multistep assembly of Au-loaded SnO2 hollow multilayered nanosheets for high-performance CO detection. Sensors and Actuators B: Chemical, 2016, 227, 362-372.	7.8	34
24	Synthesis and the improved sensing properties of hierarchical SnO2 hollow nanosheets with mesoporous and multilayered interiors. Sensors and Actuators B: Chemical, 2016, 222, 354-361.	7.8	49
25	Anomalous Structural Transition and Electrical Transport Behaviors in Compressed Zn2SnO4: Effect of Interface. Scientific Reports, 2015, 5, 14417.	3.3	8
26	Synthesis of double-shelled SnO₂nano-polyhedra and their improved gas sensing properties. Nanoscale, 2015, 7, 3276-3284.	5.6	59
27	Adsorptions and diffusions of carbon atoms on the surface and in the subsurface of Co (200): A first-principles density-functional study. Chinese Physics B, 2014, 23, 086802.	1.4	1
28	One-pot synthesis and improved sensing properties of hierarchical flowerlike SnO2 assembled from sheet and ultra-thin rod subunits. Sensors and Actuators B: Chemical, 2014, 194, 447-453.	7.8	43
29	Development of microstructure sensor based on hierarchically 2-fold ZnO nanorod arrays on hydrotalcite-like ZnAlCO3 nanosheets. Sensors and Actuators B: Chemical, 2014, 194, 206-212.	7.8	8
30	Assembly of hierarchical ZnSnO3 hollow microspheres from ultra-thin nanorods and the enhanced ethanol-sensing performances. Sensors and Actuators B: Chemical, 2014, 190, 370-377.	7.8	56
31	First-principles investigations on the adsorption and diffusion of carbon atoms on the surface and in the subsurface of Co (111) related to the growth of graphene. RSC Advances, 2014, 4, 34237.	3.6	7
32	Low-temperature synthesis of porous hollow structured Cu2O for photocatalytic activity and gas sensor application. RSC Advances, 2013, 3, 18651.	3.6	44
33	Synthesis of Novel Hollow ZnSnO₃ Cubic Nanocages and Their HCHO Sensing Properties. Journal of Nanoscience and Nanotechnology, 2013, 13, 1286-1290.	0.9	18
34	Self-assembly of hierarchical ZnSnO3-SnO2 nanoflakes and their gas sensing properties. Transactions of Nonferrous Metals Society of China, 2012, 22, 2451-2458.	4.2	34
35	Development of microstructure CO sensor based on hierarchically porous ZnO nanosheet thin films. Sensors and Actuators B: Chemical, 2012, 173, 897-902.	7.8	120
36	Rapid and selective H2S detection of hierarchical ZnSnO3 nanocages. Sensors and Actuators B: Chemical, 2011, 159, 245-250.	7.8	63

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37	Enhanced ammonia sensing performances of Pd-sensitized flowerlike ZnO nanostructure. Sensors and Actuators B: Chemical, 2011, 156, 395-400.	7.8	92
38	Preparation and gas sensing properties of the nutlike ZnO microcrystals via a simple hydrothermal route. Materials Letters, 2009, 63, 843-846.	2.6	31
39	Enhanced toluene sensing characteristics of TiO2-doped flowerlike ZnO nanostructures. Sensors and Actuators B: Chemical, 2009, 140, 73-78.	7.8	172
40	Synthesis and gas-sensing properties of ZnSnO3 cubic nanocages and nanoskeletons. Sensors and Actuators B: Chemical, 2009, 143, 449-453.	7.8	72
41	Growth and selective acetone detection based on ZnO nanorod arrays. Sensors and Actuators B: Chemical, 2009, 143, 93-98.	7.8	188
42	Preparation of Cuâ€“Zn/ZnO core-shell nanocomposite by wire electrical explosion and precipitation process in aqueous solution and CO sensing properties. Applied Surface Science, 2009, 255, 4045-4049.	6.1	36
43	Synthesis and Ethanol Sensing Properties of Self-Assembled Monocrystalline ZnO Nanorod Bundles by Poly(ethylene glycol)-Assisted Hydrothermal Process. Journal of Physical Chemistry C, 2009, 113, 3442-3448.	3.1	91
44	Fabrication and Optical Properties of Large-Scale Nutlike ZnO Microcrystals via a Low-Temperature Hydrothermal Route. Journal of Physical Chemistry C, 2009, 113, 8016-8022.	3.1	34
45	One-Pot Synthesis and Gas-Sensing Properties of Hierarchical ZnSnO₃ Nanocages. Journal of Physical Chemistry C, 2009, 113, 19000-19004.	3.1	91
46	Synthesis of magnesium borate (Mg2B2O5) nanowires, growth mechanism and their lubricating properties. Materials Research Bulletin, 2008, 43, 2239-2247.	5.2	68