Changhao Feng

List of Publications by Year
in descending order

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24	977	471509 17	642732 23
papers	citations	h-index	g-index

24	24	24	1254
all docs	docs citations	times ranked	citing authors

#	Article	IF	Citations
1	A Machine Learning Methodology for Diagnosing Chronic Kidney Disease. IEEE Access, 2020, 8, 20991-21002.	4.2	139
2	Nanosheets assembled hierarchical flower-like WO3 nanostructures: Synthesis, characterization, and their gas sensing properties. Sensors and Actuators B: Chemical, 2015, 210, 75-81.	7.8	106
3	Facile synthesis and gas sensing properties of In2O3â€“WO3 heterojunction nanofibers. Sensors and Actuators B: Chemical, 2015, 209, 622-629.	7.8	102
4	Enhanced sensitive and selective xylene sensors using W-doped NiO nanotubes. Sensors and Actuators B: Chemical, 2015, 221, 1475-1482.	7.8	101
5	One-pot synthesis of In doped NiO nanofibers and their gas sensing properties. Sensors and Actuators B: Chemical, 2017, 253, 584-591.	7.8	79
6	Facile synthesis and gas sensing properties of La2O3â€“WO3 nanofibers. Sensors and Actuators B: Chemical, 2015, 221, 434-442.	7.8	59
7	Revealing the relationship between the Au decoration method and the enhanced acetone sensing performance of a mesoporous In₂O₃-based gas sensor. Journal of Materials Chemistry C, 2020, 8, 78-88.	5.5	53
8	Pt-Cr2O3-WO3 composite nanofibers as gas sensors for ultra-high sensitive and selective xylene detection. Sensors and Actuators B: Chemical, 2019, 300, 127008.	7.8	43
9	Novel cage-like Î±-Fe₂O₃/SnO₂ composite nanofibers by electrospinning for rapid gas sensing properties. RSC Advances, 2014, 4, 27552-27555.	3.6	35
10	Lattice expansion and oxygen vacancy of Î±-Fe2O3 during gas sensing. Talanta, 2021, 221, 121616.	5.5	32
11	Aluminum-doped NiO nanofibers as chemical sensors for selective and sensitive methanol detection. Analytical Methods, 2019, 11, 575-581.	2.7	31
12	Development of a portable device for Ag+ sensing using CdTe QDs as fluorescence probe via an electron transfer process. Talanta, 2019, 191, 357-363.	5.5	30
13	One-pot synthesis of hierarchical WO3 hollow nanospheres and their gas sensing properties. RSC Advances, 2015, 5, 29698-29703.	3.6	26
14	2,4,6-Trinitrophenol detection by a new portable sensing gadget using carbon dots as a fluorescent probe. Analytical and Bioanalytical Chemistry, 2019, 411, 2291-2300.	3.7	26
15	Synthesis, characterization and gas sensing properties of porous flower-like indium oxide nanostructures. RSC Advances, 2015, 5, 30297-30302.	3.6	21
16	Facile synthesis benzene sensor based on V₂O₅-doped SnO₂nanofibers. RSC Advances, 2014, 4, 47549-47555.	3.6	19
17	Molecularly imprinted sol-gel/Au@Ag core-shell nano-urchin localized surface plasmon resonance sensor designed in reflection mode for detection of organic acid vapors. Biosensors and Bioelectronics, 2020, 169, 112639.	10.1	18
18	Detection of nitrogen dioxide down to ppb levels using flower-like tungsten oxide nanostructures under different annealing temperatures. Journal of Colloid and Interface Science, 2016, 483, 314-320.	9.4	17

#	Article	IF	Citations
19	One-dimensional Cr-doped NiO nanostructures serving as a highly sensitive gas sensor for trace xylene detection. RSC Advances, 2017, 7, 41105-41110.	3.6	17
20	Electric-field enhancement of molecularly imprinted solâ€“gel-coated Au nano-urchin sensors for vapor detection of plant biomarkers. Journal of Materials Chemistry C, 2020, 8, 262-269.	5.5	11
21	The Design and Application of Nanomaterials as Drug Carriers in Cancer Treatment. Current Medicinal Chemistry, 2020, 27, 6112-6135.	2.4	6
22	Flexible and rigid polyurethane based polymer electrolyte for highâ€performance lithium battery. Journal of Applied Polymer Science, 2022, 139, 51566.	2.6	4
23	Surrounding Dielectrics for Reducing Heating Concentrations of Spheres in Microwave Applicators With Moving Elements. IEEE Transactions on Microwave Theory and Techniques, 2021, 69, 4589-4598.	4.6	2
24	Electron transfer during binding processes between thiolate molecules and Au nano-islands. Applied Surface Science, 2019, 473, 49-54.	6.1	0