Qiuni Zhao

List of Publications by Year in descending order

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29 papers	2,183 citations	201674 27 h-index	477307 29 g-index
29 all docs	29 docs citations	29 times ranked	1105 citing authors

#	Article	IF	Citations
1	Gold-loaded tellurium nanobelts gas sensor for ppt-level NO2 detection at room temperature. Sensors and Actuators B: Chemical, 2022, 355, 131300.	7.8	49
2	High performance humidity sensor based on 3D mesoporous Co3O4 hollow polyhedron for multifunctional applications. Applied Surface Science, 2022, 585, 152698.	6.1	52
3	A Nb2CTx/sodium alginate-based composite film with neuron-like network for self-powered humidity sensing. Chemical Engineering Journal, 2022, 438, 135588.	12.7	86
4	Ag2Te nanowires for humidity-resistant trace-level NO2 detection at room temperature. Sensors and Actuators B: Chemical, 2022, 363, 131790.	7.8	42
5	Edge-enriched MoS2 nanosheets modified porous nanosheet-assembled hierarchical In2O3 microflowers for room temperature detection of NO2 with ultrahigh sensitivity and selectivity. Journal of Hazardous Materials, 2022, 434, 128836.	12.4	73
6	MXeneåŝæº”æ•æœ–™: æœ€æ–°è¿›å±•ä¸Žæœªæ¥æŒ‘æ˜. Chinese Science Bulletin, 2022, , .	0.7	1
7	Power generation humidity sensor based on primary battery structure. Chemical Engineering Journal, 2022, 446, 136910.	12.7	66
8	Designing Cu²⁺ as a Partial Substitution of Protons in Polyaniline Emeraldine Salt: Room-Temperature-Recoverable H₂S Sensing Properties and Mechanism Study. ACS Applied Materials & Interfaces, 2022, 14, 27203-27213.	8.0	16
9	Edgeâ€Enriched Mo₂TiC₂T_x/MoS₂ Heterostructure with Coupling Interface for Selective NO₂ Monitoring. Advanced Functional Materials, 2022, 32, .	14.9	58
10	Facile primary battery-based humidity sensor for multifunctional application. Sensors and Actuators B: Chemical, 2022, 370, 132369.	7.8	34
11	Enhanced NH3 sensing performance of polyaniline via a facile morphology modification strategy. Sensors and Actuators B: Chemical, 2022, 369, 132302.	7.8	61
12	PANI nanofibers-supported Nb2CTx nanosheets-enabled selective NH3 detection driven by TENG at room temperature. Sensors and Actuators B: Chemical, 2021, 327, 128923.	7.8	108
13	A do-it-yourself approach to achieving a flexible pressure sensor using daily use materials. Journal of Materials Chemistry C, 2021, 9, 13659-13667.	5.5	76
14	Paper and carbon ink enabled low-cost, eco-friendly, flexible, multifunctional pressure and humidity sensors. Smart Materials and Structures, 2021, 30, 055012.	3.5	91
15	Facilely constructed two-sided microstructure interfaces between electrodes and cellulose paper active layer: eco-friendly, low-cost and high-performance piezoresistive sensor. Cellulose, 2021, 28, 6389.	4.9	48
16	Enhanced Blocking Effect: A New Strategy to Improve the NO₂ Sensing Performance of Ti₃C₂T_x by Î³-Poly(<scp>l</scp>-glutamic acid) Modification. ACS Sensors, 2021, 6, 2858-2867.	7.8	51
17	Daily writing carbon ink: Novel application on humidity sensor with wide detection range, low detection limit and high detection resolution. Sensors and Actuators B: Chemical, 2021, 339, 129884.	7.8	113
18	Highly sensitive and selective NO2 sensor of alkalized V2CT MXene driven by interlayer swelling. Sensors and Actuators B: Chemical, 2021, 344, 130150.	7.8	104

#	Article	IF	Citations
19	Integrated cross-section interface engineering and surface encapsulating strategy: A high-response, waterproof, and low-cost paper-based bending strain sensor. Journal of Materials Chemistry C, 2021, 9, 14003-14011.	5.5	33
20	Protrusion Microstructure-Induced Sensitivity Enhancement for Zinc Oxideâ€“Carbon Nanotube Flexible Pressure Sensors. ACS Applied Electronic Materials, 2021, 3, 5506-5513.	4.3	28
21	Novel application of attapulgite on high performance and low-cost humidity sensors. Sensors and Actuators B: Chemical, 2020, 305, 127534.	7.8	79
22	Novel chitosan/ZnO bilayer film with enhanced humidity-tolerant property: Endowing triboelectric nanogenerator with acetone analysis capability. Nano Energy, 2020, 78, 105256.	16.0	61
23	Facile and low-cost fabrication of a humidity sensor using naturally available sepiolite nanofibers. Nanotechnology, 2020, 31, 355501.	2.6	39
24	Ultrasensitive flexible NH3 gas sensor based on polyaniline/SrGe4O9 nanocomposite with ppt-level detection ability at room temperature. Sensors and Actuators B: Chemical, 2020, 319, 128293.	7.8	129
25	High performance ethylene sensor based on palladium-loaded tin oxide: Application in fruit quality detection. Chinese Chemical Letters, 2020, 31, 2045-2049.	9.0	44
26	Halloysite nanotubes: Natural, environmental-friendly and low-cost nanomaterials for high-performance humidity sensor. Sensors and Actuators B: Chemical, 2020, 317, 128204.	7.8	160
27	Inspiration from Daily Goods: A Low-Cost, Facilely Fabricated, and Environment-Friendly Strain Sensor Based on Common Carbon Ink and Elastic Core-Spun Yarn. ACS Sustainable Chemistry and Engineering, 2019, 7, 17474-17481.	6.7	76
28	Facile, Flexible, Cost-Saving, and Environment-Friendly Paper-Based Humidity Sensor for Multifunctional Applications. ACS Applied Materials & Interfaces, 2019, 11, 21840-21849.	8.0	326
29	An ingenious strategy for improving humidity sensing properties of multi-walled carbon nanotubes via poly-L-lysine modification. Sensors and Actuators B: Chemical, 2019, 289, 182-185.	7.8	79