

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	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
2	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
3	Ultrasensitive flexible NH ₃ gas sensor based on polyaniline/SrGe ₄ O ₉ nanocomposite with ppt-level detection ability at room temperature. Sensors and Actuators B: Chemical, 2020, 319, 128293.	7.8	129
4	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
5	PANI nanofibers-supported Nb ₂ CT _x nanosheets-enabled selective NH ₃ detection driven by TENG at room temperature. Sensors and Actuators B: Chemical, 2021, 327, 128923.	7.8	108
6	Highly sensitive and selective NO ₂ sensor of alkalized V ₂ CT MXene driven by interlayer swelling. Sensors and Actuators B: Chemical, 2021, 344, 130150.	7.8	104
7	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
8	A Nb ₂ CT _x /sodium alginate-based composite film with neuron-like network for self-powered humidity sensing. Chemical Engineering Journal, 2022, 438, 135588.	12.7	86
9	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
10	Novel application of attapulgite on high performance and low-cost humidity sensors. Sensors and Actuators B: Chemical, 2020, 305, 127534.	7.8	79
11	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
12	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
13	Edge-enriched MoS ₂ nanosheets modified porous nanosheet-assembled hierarchical In ₂ O ₃ microflowers for room temperature detection of NO ₂ with ultrahigh sensitivity and selectivity. Journal of Hazardous Materials, 2022, 434, 128836.	12.4	73
14	Power generation humidity sensor based on primary battery structure. Chemical Engineering Journal, 2022, 446, 136910.	12.7	66
15	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
16	Enhanced NH ₃ sensing performance of polyaniline via a facile morphology modification strategy. Sensors and Actuators B: Chemical, 2022, 369, 132302.	7.8	61
17	Edge-enriched Mo ₂ TiC ₂ T _x /MoS ₂ Heterostructure with Coupling Interface for Selective NO ₂ Monitoring. Advanced Functional Materials, 2022, 32, .	14.9	58
18	High performance humidity sensor based on 3D mesoporous Co ₃ O ₄ hollow polyhedron for multifunctional applications. Applied Surface Science, 2022, 585, 152698.	6.1	52

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19	Enhanced Blocking Effect: A New Strategy to Improve the NO ₂ Sensing Performance of Ti ₃ C ₂ T _x by Î ³ -Poly(<i>l</i> -glutamic acid) Modification. ACS Sensors, 2021, 6, 2858-2867.	7.8	51
20	Gold-loaded tellurium nanobelts gas sensor for ppt-level NO ₂ detection at room temperature. Sensors and Actuators B: Chemical, 2022, 355, 131300.	7.8	49
21	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
22	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
23	Ag ₂ Te nanowires for humidity-resistant trace-level NO ₂ detection at room temperature. Sensors and Actuators B: Chemical, 2022, 363, 131790.	7.8	42
24	Facile and low-cost fabrication of a humidity sensor using naturally available sepiolite nanofibers. Nanotechnology, 2020, 31, 355501.	2.6	39
25	Facile primary battery-based humidity sensor for multifunctional application. Sensors and Actuators B: Chemical, 2022, 370, 132369.	7.8	34
26	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
27	Protrusion Microstructure-Induced Sensitivity Enhancement for Zinc Oxide/Carbon Nanotube Flexible Pressure Sensors. ACS Applied Electronic Materials, 2021, 3, 5506-5513.	4.3	28
28	Designing Cu ²⁺ as a Partial Substitution of Protons in Polyaniline Emeraldine Salt: Room-Temperature-Recoverable H ₂ S Sensing Properties and Mechanism Study. ACS Applied Materials & Interfaces, 2022, 14, 27203-27213.	8.0	16
29	MXene/GO/Ag ₂ Te ₃ nanocomposites for humidity-resistant trace-level NO ₂ detection at room temperature. Chinese Science Bulletin, 2022, , .	0.7	1