Fan-Li Meng

List of Publications by Year
in descending order

161 papers	7,855 citations	34105 52 h-index	54911 84 g-index
162 all docs	162 docs citations	162 times ranked	8004 citing authors

#	Article	IF	Citations
1	Metal Oxide Nanostructures and Their Gas Sensing Properties: A Review. Sensors, 2012, 12, 2610-2631.	3.8	938
2	SnO₂/Reduced Graphene Oxide Nanocomposite for the Simultaneous Electrochemical Detection of Cadmium(II), Lead(II), Copper(II), and Mercury(II): An Interesting Favorable Mutual Interference. Journal of Physical Chemistry C, 2012, 116, 1034-1041.	3.1	431
3	Graphene-based hybrids for chemiresistive gas sensors. TrAC - Trends in Analytical Chemistry, 2015, 68, 37-47.	11.4	276
4	Low-temperature formaldehyde gas sensors based on NiO-SnO2 heterojunction microflowers assembled by thin porous nanosheets. Sensors and Actuators B: Chemical, 2018, 273, 418-428.	7.8	177
5	Enhanced adsorption of cadmium ions by 3D sulfonated reduced graphene oxide. Chemical Engineering Journal, 2015, 262, 1292-1302.	12.7	150
6	UV irradiation synthesis of an Auâ€“graphene nanocomposite with enhanced electrochemical sensing properties. Journal of Materials Chemistry A, 2013, 1, 9189.	10.3	145
7	One-Step Synthesis of Au/SnO2/RGO Nanocomposites and Their VOC Sensing Properties. IEEE Nanotechnology Magazine, 2018, 17, 212-219.	2.0	144
8	Perovskite-structured LaCoO3 modified ZnO gas sensor and investigation on its gas sensing mechanism by first principle. Sensors and Actuators B: Chemical, 2021, 341, 130015.	7.8	138
9	Novel porous single-crystalline ZnO nanosheets fabricated by annealing ZnS(en)_{0.5}(en =) Tj ETQq1 1 0.784314 rgBT /Ov Nanotechnology, 2009, 20, 125501.	2.6	137
10	Performance of novel hydroxyapatite nanowires in treatment of fluoride contaminated water. Journal of Hazardous Materials, 2016, 303, 119-130.	12.4	134
11	Performance of a novelly-defined zirconium metal-organic frameworks adsorption membrane in fluoride removal. Journal of Colloid and Interface Science, 2016, 484, 162-172.	9.4	131
12	A novel coral-like porous SnO₂hollow architecture: biomimetic swallowing growth mechanism and enhanced photovoltaic property for dye-sensitized solar cell application. Chemical Communications, 2010, 46, 472-474.	4.1	120
13	Porous Hierarchical In₂O₃ Micro-/Nanostructures: Preparation, Formation Mechanism, and Their Application in Gas Sensors for Noxious Volatile Organic Compound Detection. Journal of Physical Chemistry C, 2010, 114, 4887-4894.	3.1	111
14	Gas sensors for ammonia detection based on polyaniline-coated multi-wall carbon nanotubes. Materials Science and Engineering B: Solid-State Materials for Advanced Technology, 2009, 163, 76-81.	3.5	108
15	Template synthesis, organic gas-sensing and optical properties of hollow and porous In₂O₃nanospheres. Nanotechnology, 2008, 19, 345704.	2.6	106
16	Detection and Identification of Volatile Organic Compounds Based on Temperature-Modulated ZnO Sensors. IEEE Transactions on Instrumentation and Measurement, 2020, 69, 4533-4544.	4.7	104
17	Effective removal of fluoride by porous MgO nanoplates and its adsorption mechanism. Journal of Alloys and Compounds, 2016, 675, 292-300.	5.5	103
18	Flower-like hierarchical structures consisting of porous single-crystalline ZnO nanosheets and their gas sensing properties to volatile organic compounds (VOCs). Journal of Alloys and Compounds, 2015, 626, 124-130.	5.5	99

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19	Gas sensing behavior of a single tin dioxide sensor under dynamic temperature modulation. Sensors and Actuators B: Chemical, 2004, 99, 444-450.	7.8	98
20	Novel pyrenehexafluoroisopropanol derivative-decorated single-walled carbon nanotubes for detection of nerve agents by strong hydrogen-bonding interaction. Analyst, The, 2010, 135, 368-374.	3.5	98
21	Trimethylamine Sensors Based on Au-Modified Hierarchical Porous Single-Crystalline ZnO Nanosheets. Sensors, 2017, 17, 1478.	3.8	97
22	Approaches to Enhancing Gas Sensing Properties: A Review. Sensors, 2019, 19, 1495.	3.8	97
23	Facile synthesis of porous single crystalline ZnO nanoplates and their application in photocatalytic reduction of Cr(VI) in the presence of phenol. Journal of Hazardous Materials, 2014, 276, 400-407.	12.4	96
24	Sub-ppb detection of acetone using Au-modified flower-like hierarchical ZnO structures. Sensors and Actuators B: Chemical, 2015, 219, 209-217.	7.8	95
25	A facile one-step hydrothermal synthesis of NiO/ZnO heterojunction microflowers for the enhanced formaldehyde sensing properties. Journal of Alloys and Compounds, 2018, 739, 260-269.	5.5	95
26	Preparation of Porous Tin Oxide Nanotubes Using Carbon Nanotubes as Templates and Their Gas-Sensing Properties. Journal of Physical Chemistry C, 2009, 113, 9581-9587.	3.1	91
27	Ag-decorated ultra-thin porous single-crystalline ZnO nanosheets prepared by sunlight induced solvent reduction and their highly sensitive detection of ethanol. Sensors and Actuators B: Chemical, 2015, 209, 975-982.	7.8	87
28	Sandwich-like composites of double-layer Co3O4 and reduced graphene oxide and their sensing properties to volatile organic compounds. Journal of Alloys and Compounds, 2019, 793, 24-30.	5.5	87
29	MoS₂-Templated Porous Hollow MoO₃ Microspheres for Highly Selective Ammonia Sensing via a Lewis Acid-Base Interaction. IEEE Transactions on Industrial Electronics, 2022, 69, 960-970.	7.9	85
30	Parts per billion-level detection of benzene using SnO2/graphene nanocomposite composed of sub-6nm SnO2 nanoparticles. Analytica Chimica Acta, 2012, 736, 100-107.	5.4	84
31	ZnO-Reduced Graphene Oxide Composites Sensitized with Graphitic Carbon Nitride Nanosheets for Ethanol Sensing. ACS Applied Nano Materials, 2019, 2, 2734-2742.	5.0	84
32	Preparation of a leaf-like CdS micro-/nanostructure and its enhanced gas-sensing properties for detecting volatile organic compounds. Journal of Materials Chemistry, 2012, 22, 17782.	6.7	82
33	A novel ammonia sensor based on high density, small diameter polypyrrole nanowire arrays. Sensors and Actuators B: Chemical, 2009, 142, 204-209.	7.8	80
34	Qualitative and quantitative recognition method of drug-producing chemicals based on SnO2 gas sensor with dynamic measurement and PCA weak separation. Sensors and Actuators B: Chemical, 2021, 348, 130698.	7.8	76
35	Detection of four alcohol homologue gases by ZnO gas sensor in dynamic interval temperature modulation mode. Sensors and Actuators B: Chemical, 2022, 350, 130867.	7.8	76
36	Structure design and application of hollow core microstructured optical fiber gas sensor: A review. Optics and Laser Technology, 2021, 135, 106658.	4.6	73

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37	A novel highly sensitive gas ionization sensor for ammonia detection. Sensors and Actuators A: Physical, 2009, 150, 218-223.	4.1	69
38	In-situ growth of ordered Pd-doped ZnO nanorod arrays on ceramic tube with enhanced trimethylamine sensing performance. Applied Surface Science, 2019, 463, 348-356.	6.1	69
39	p-Hexafluoroisopropanol phenyl covalently functionalized single-walled carbon nanotubes for detection of nerve agents. Carbon, 2010, 48, 1262-1270.	10.3	68
40	Novel Single-Crystalline Hierarchical Structured ZnO Nanorods Fabricated via a Wet-Chemical Route: Combined High Gas Sensing Performance with Enhanced Optical Properties. Crystal Growth and Design, 2009, 9, 1716-1722.	3.0	67
41	P-n junctions based on CuO-decorated ZnO nanowires for ethanol sensing application. Applied Surface Science, 2021, 538, 148140.	6.1	66
42	Phosphorus-doped porous perovskite LaFe1-xPxO3-Î´ nanosheets with rich surface oxygen vacancies for ppb level acetone sensing at low temperature. Chemical Engineering Journal, 2022, 431, 134280.	12.7	66
43	Development of sensors based on CuO-doped SnO2 hollow spheres for ppb level H2S gas sensing. Journal of Materials Science, 2009, 44, 4326-4333.	3.7	65
44	A biocompatible and novelly-defined Al-HAP adsorption membrane for highly effective removal of fluoride from drinking water. Journal of Colloid and Interface Science, 2017, 490, 97-107.	9.4	64
45	Highly Sensitive Ammonia Sensors Based on Ag-Decorated WO₃ Nanorods. IEEE Nanotechnology Magazine, 2018, 17, 1252-1258.	2.0	63
46	Wide pH range for fluoride removal from water by MHS-MgO/MgCO3 adsorbent: Kinetic, thermodynamic and mechanism studies. Journal of Colloid and Interface Science, 2015, 446, 194-202.	9.4	62
47	Efficient removal of fluoride by hierarchical MgO microspheres: Performance and mechanism study. Applied Surface Science, 2015, 357, 1080-1088.	6.1	60
48	Ppb-Level Xylene Gas Sensors Based on Co₃O₄ Nanoparticle-Coated Reduced Graphene Oxide(rGO) Nanosheets Operating at Low Temperature. IEEE Transactions on Instrumentation and Measurement, 2021, 70, 1-10.	4.7	60
49	Highly sensitive and selective butanol sensors using the intermediate state nanocomposites converted from Î²-FeOOH to Î±-Fe2O3. Sensors and Actuators B: Chemical, 2018, 273, 543-551.	7.8	58
50	Interlaced nanoflake-assembled flower-like hierarchical ZnO microspheres prepared by bisolvents and their sensing properties to ethanol. Journal of Alloys and Compounds, 2015, 632, 645-650.	5.5	56
51	Synthesis and gas sensing properties of hierarchical meso-macroporous SnO2 for detection of indoor air pollutants. Sensors and Actuators B: Chemical, 2012, 166-167, 519-525.	7.8	55
52	A Novel Antimonyâ"Carbon Nanotubeâ"Tin Oxide Thin Film:â€‰ Carbon Nanotubes as Growth Guider and Energy Buffer. Application for Indoor Air Pollutants Gas Sensor. Journal of Physical Chemistry C, 2008, 112, 6119-6125.	3.1	54
53	Highly sensitive ethylene sensors using Pd nanoparticles and rGO modified flower-like hierarchical porous Î±-Fe2O3. Sensors and Actuators B: Chemical, 2019, 290, 396-405.	7.8	49
54	Ag/SnO2/graphene ternary nanocomposites and their sensing properties to volatile organic compounds. Journal of Alloys and Compounds, 2016, 659, 127-131.	5.5	48

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55	Assembly of 3D flower-like NiO hierarchical architectures by 2D nanosheets: synthesis and their sensing properties to formaldehyde. RSC Advances, 2017, 7, 3540-3549.	3.6	44
56	Carboxylation multi-walled carbon nanotubes modified with LiClO4for water vapour detection. Nanotechnology, 2004, 15, 1284-1288.	2.6	43
57	Nanomaterial-Assisted Signal Enhancement of Hybridization for DNA Biosensors: A Review. Sensors, 2009, 9, 7343-7364.	3.8	43
58	Study of Influencing Factors of Dynamic Measurements Based on SnO2 Gas Sensor. Sensors, 2004, 4, 95-104.	3.8	42
59	Chlorobenzene sensor based on Pt-decorated porous single-crystalline ZnO nanosheets. Sensors and Actuators A: Physical, 2016, 252, 96-103.	4.1	42
60	Catalyst-free growth of one-dimensional ZnO nanostructures on SiO2 substrate and in situ investigation of their H2 sensing properties. Journal of Alloys and Compounds, 2015, 622, 73-78.	5.5	41
61	Synthesis of WO3 flower-like hierarchical architectures and their sensing properties. Journal of Alloys and Compounds, 2015, 649, 731-738.	5.5	38
62	One-step synthesis and the enhanced trimethylamine sensing properties of Co3O4/SnO2 flower-like structures. Vacuum, 2020, 171, 108994.	3.5	37
63	Novel capacitive sensor: Fabrication from carbon nanotube arrays and sensing property characterization. Sensors and Actuators B: Chemical, 2009, 140, 396-401.	7.8	35
64	CuO hollow microspheres self-assembled with nanobars: Synthesis and their sensing properties to formaldehyde. Vacuum, 2017, 144, 272-280.	3.5	35
65	Preparation of SnO2/SiO2 nanocomposites by sol-gel method for enhancing the gas sensing performance to triethylamine. Journal of Alloys and Compounds, 2022, 893, 162189.	5.5	34
66	A three-dimensional hierarchical CdO nanostructure: Preparation and its improved gas-diffusing performance in gas sensor. Sensors and Actuators B: Chemical, 2013, 184, 260-267.	7.8	33
67	NiO-functionalized In2O3 flower-like structures with enhanced trimethylamine gas sensing performance. Applied Surface Science, 2022, 577, 151877.	6.1	33
68	Porous and single-crystalline ZnO nanobelts: fabrication with annealing precursor nanobelts, and gas-sensing and optoelectronic performance. Nanotechnology, 2016, 27, 355702.	2.6	32
69	Synthesis of close-packed multi-walled carbon nanotube bundles using Mo as catalyst. Carbon, 2009, 47, 1652-1658.	10.3	31
70	Spinel-Type Materials Used for Gas Sensing: A Review. Sensors, 2020, 20, 5413.	3.8	31
71	Rose-Like MoOâ‚ƒ/MoSâ‚‚/rGO Low-Temperature Ammonia Sensors Based on Multigas Detection Methods. IEEE Transactions on Instrumentation and Measurement, 2021, 70, 1-9.	4.7	30
72	Synthesis of Au Nanoparticle-Modified Spindle Shaped Î±-Fe₂O₃ Nanorods and Their Gas Sensing Properties to N-Butanol. IEEE Nanotechnology Magazine, 2019, 18, 911-920.	2.0	29

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73	Quantitative analysis of pesticide residue based on the dynamic response of a single SnO2 gas sensor. Sensors and Actuators B: Chemical, 2004, 99, 330-335.	7.8	28
74	UVâ€activated room temperature singleâ€sheet ZnO gas sensor. Micro and Nano Letters, 2017, 12, 813-817.	1.3	28
75	Graphene Foam Decorated With ZnO as a Humidity Sensor. IEEE Sensors Journal, 2020, 20, 1721-1729.	4.7	28
76	Strategies for Improving the Sensing Performance of Semiconductor Gas Sensors for High-Performance Formaldehyde Detection: A Review. Chemosensors, 2021, 9, 179.	3.6	28
77	Detection of volatile organic compounds by using a single temperature-modulated SnO2gas sensor and artificial neural network. Smart Materials and Structures, 2007, 16, 701-705.	3.5	27
78	Metal Oxide Semiconductor Sensors for Triethylamine Detection: Sensing Performance and Improvements. Chemosensors, 2022, 10, 231.	3.6	27
79	Novel hybridized SWCNTâ€“PCD: synthesis and hostâ€“guest inclusion for electrical sensing recognition of persistent organic pollutants. Journal of Materials Chemistry, 2011, 21, 11109.	6.7	26
80	Electronic chip based on self-oriented carbon nanotube microelectrode array to enhance the sensitivity of indoor air pollutants capacitive detection. Sensors and Actuators B: Chemical, 2011, 153, 103-109.	7.8	24
81	Dynamic Measurement and Recognition Methods of SnO₂ Sensor to VOCs Under Zigzag-Rectangular Wave Temperature Modulation. IEEE Sensors Journal, 2021, 21, 10915-10922.	4.7	23
82	Triethylenetetramine (TETA)-assisted synthesis, dynamic growth mechanism, and photoluminescence properties of radial single-crystalline ZnS nanowire bundles. Journal of Crystal Growth, 2009, 311, 1423-1429.	1.5	21
83	Dense doping of indium to coral-like SnO₂nanostructures through a plasma-assisted strategy for sensitive and selective detection of chlorobenzene. Nanotechnology, 2011, 22, 315501.	2.6	21
84	A novel porous anodic alumina based capacitive sensor towards trace detection of PCBs. Sensors and Actuators B: Chemical, 2011, 157, 641-646.	7.8	21
85	Investigation of Mixed-Phase WS₂ Nanomaterials for Ammonia Gas Sensing. IEEE Sensors Journal, 2021, 21, 7268-7274.	4.7	20
86	Novel combined waveform temperature modulation method of NiO-In2O3 based gas sensor for measuring and identifying VOC gases. Journal of Alloys and Compounds, 2022, 918, 165510.	5.5	20
87	Porous TiO2 nanowires derived from nanotubes: Synthesis, characterzation and their enhanced photocatalytic properties. Microporous and Mesoporous Materials, 2013, 181, 146-153.	4.4	19
88	Exposure Surface Active Sites of Perovskiteâ€Type LaFeO₃ Gas Sensors by Selectively Dissolving La Cations for Enhancing Gas Sensing Properties to Acetone. Advanced Materials Technologies, 2022, 7, .	5.8	19
89	Dynamic Temperature Modulation Measurement of VOC Gases Based on SnO₂ Gas Sensor. IEEE Sensors Journal, 2022, 22, 14708-14716.	4.7	19
90	Selectively enhanced gas-sensing performance to n-butanol based on uniform CdO-decorated porous ZnO nanobelts. Sensors and Actuators B: Chemical, 2021, 334, 129667.	7.8	18

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91	Morphogenesis and Crystallization of ZnS Microspheres by a Soft Templateâ€Assisted Hydrothermal Route: Synthesis, Growth Mechanism, and Oxygen Sensitivity. Chemistry - an Asian Journal, 2009, 4, 174-180.	3.3	17
92	Nanocomposites of sub-10 nm SnO2 nanoparticles and MWCNTs for detection of aldrin and DDT. Analytical Methods, 2010, 2, 1710.	2.7	17
93	Formation of Carbonized Polystyrene Sphere/hemisphere Shell Arrays by Ion Beam Irradiation and Subsequent Annealing or Chloroform Treatment. Scientific Reports, 2015, 5, 17529.	3.3	17
94	Investigation of Grain Radius Dependence of Sensitivity for Porous Thin Film Semiconducting Metal Oxide Gas Sensor. IEEE Sensors Journal, 2020, 20, 4275-4282.	4.7	16
95	In-situ growth of V2O5 flower-like structures on ceramic tubes and their trimethylamine sensing properties. Chinese Chemical Letters, 2020, 31, 2133-2136.	9.0	16
96	Ethanol Sensors Based on Porous In2O3 Nanosheet-Assembled Micro-Flowers. Sensors, 2020, 20, 3353.	3.8	16
97	High Response Formic Acid Gas Sensor Based on MoS₂ Nanosheets. IEEE Nanotechnology Magazine, 2021, 20, 177-184.	2.0	16
98	Modification of coral-like SnO2 nanostructures with dense TiO2 nanoparticles for a self-cleaning gas sensor. Talanta, 2012, 99, 394-403.	5.5	15
99	Fabrication of gas ionization sensors using well-aligned MWCNT arrays grown in porous AAO templates. Colloids and Surfaces A: Physicochemical and Engineering Aspects, 2008, 313-314, 355-358.	4.7	14
100	Research of Low-Power MEMS-Based Micro Hotplates Gas Sensor: A Review. IEEE Sensors Journal, 2021, 21, 18368-18380.	4.7	14
101	MoO₃/SnO₂Nanocomposite-Based Gas Sensor for Rapid Detection of Ammonia. IEEE Transactions on Instrumentation and Measurement, 2021, 70, 1-9.	4.7	14
102	Optimal construction and gas sensing properties of SnO2@TiO2 heterostructured nanorods. Sensors and Actuators B: Chemical, 2022, 355, 131261.	7.8	14
103	A fiber-optic formic acid gas sensor based on molybdenum disulfide nanosheets and chitosan works at room temperature. Optics and Laser Technology, 2022, 150, 107975.	4.6	14
104	Mesoporous SnO2 sensor prepared by carbon nanotubes as template and its sensing properties to indoor air pollutants. Procedia Engineering, 2010, 7, 172-178.	1.2	13
105	Novel hierarchically-packed tin dioxide sheets for fast adsorption of organic pollutant in aqueous solution. Journal of Materials Chemistry, 2012, 22, 2885-2893.	6.7	13
106	The investigation and DFT calculation on the gas sensing properties of nanostructured SnO2. Microelectronic Engineering, 2021, 236, 111469.	2.4	13
107	New approach for the detection of organophosphorus pesticide in cabbage using SPME/SnO2 gas sensor: principle and preliminary experiment. Sensors and Actuators B: Chemical, 2004, 102, 235-240.	7.8	12
108	New Strategy for Rapid Detection of the Simulants of Persistent Organic Pollutants Using Gas Sensor Based on 3-D Porous Single-Crystalline ZnO Nanosheets. IEEE Sensors Journal, 2015, 15, 3668-3674.	4.7	12

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109	Microscale analysis and gas sensing characteristics based on SnO2 hollow spheres. Microelectronic Engineering, 2020, 231, 111372.	2.4	12
110	A Temperature-Modulated Gas Sensor Based on CdO-Decorated Porous ZnO Nanobelts for the Recognizable Detection of Ethanol, Propanol, and Isopropanol. IEEE Sensors Journal, 2021, 21, 25590-25596.	4.7	12
111	Ppb-Level Triethylamine Gas Sensors Based on Palladium Nanoparticles Modified Flower-Like In₂O₃ Grown on rGO Nanosheets Operating at Low Temperature. IEEE Transactions on Instrumentation and Measurement, 2022, 71, 1-9.	4.7	12
112	One-step synthesis of UV-induced Pt nanotrees on the surface of DNA network. Materials Research Bulletin, 2009, 44, 1270-1274.	5.2	11
113	Novel volatile organic compound (VOC) sensor based on Ag-decorated porous single-crystalline ZnO nanosheets. Materials Express, 2016, 6, 191-197.	0.5	11
114	Hydrogen Leakage Detectors Based on a Polymer Microfiber Decorated With Pd Nanoparticles. IEEE Sensors Journal, 2019, 19, 6736-6741.	4.7	11
115	High Response and Selectivity Ammonia Sensor Based on WO₃/MoO₃ Porous and Hollow Microsphere. IEEE Sensors Journal, 2019, 19, 11014-11020.	4.7	11
116	Highly Sensitive and Selective NH₃ Sensor Based on Au Nanoparticle Loaded MoO₃ Nanorods. IEEE Sensors Journal, 2021, 21, 18435-18442.	4.7	11
117	Dynamic Prebreakdown Current Measurement of Nanotips-Based Gas Ionization Sensor Application at Ambient Atmosphere. IEEE Sensors Journal, 2009, 9, 435-440.	4.7	10
118	Formic acid gas sensor based on coreless optical fiber coated by molybdenum disulfide nanosheet. Journal of Alloys and Compounds, 2022, 896, 163063.	5.5	10
119	Investigation on Butanone Sensing Properties of ZnO Sensor Under Different Calcination Temperature. IEEE Sensors Journal, 2022, 22, 25-32.	4.7	10
120	A high-capacity and reversible patient data hiding scheme for telemedicine. Biomedical Signal Processing and Control, 2022, 76, 103706.	5.7	10
121	In Situ Growth of Tin Oxide Nanowires, Nanobelts, and Nanodendrites On the Surface of Iron-Doped Tin Oxide/Multiwalled Carbon Nanotube Nanocomposites. Journal of Physical Chemistry C, 2009, 113, 20583-20588.	3.1	9
122	WOâ‚ƒ Nanosheets/FeCoâ‚„Oâ‚„ Nanoparticles Heterostructures for Highly Sensitive and Selective Ammonia Sensors. IEEE Sensors Journal, 2021, 21, 26515-26525.	4.7	9
123	Assembly, formation mechanism, and enhanced gas-sensing properties of porous and hierarchical SnO₂hollow nanostructures. Journal of Materials Research, 2010, 25, 1992-2000.	2.6	8
124	Sensitive detection of indoor air contaminants using a novel gas sensor based on coral-shaped tin dioxide nanostructures. Sensors and Actuators B: Chemical, 2012, 165, 24-33.	7.8	8
125	Catalysis-Based Cataluminescent and Conductometric Gas Sensors: Sensing Nanomaterials, Mechanism, Applications and Perspectives. Catalysts, 2016, 6, 210.	3.5	8
126	Theoretical and Experimental Research on Ammonia Sensing Properties of Sulfur-Doped Graphene Oxide. Chemosensors, 2021, 9, 220.	3.6	8

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127	One-step synthesis of rGO/V2O5 flower-like microsphere composites with enhanced trimethylamine sensing properties. Materials Letters, 2021, 299, 130023.	2.6	8
128	Rational design of CuO/In2O3 heterostructures with flower-like structures for low temperature detection of formaldehyde. Journal of Alloys and Compounds, 2022, 896, 162959.	5.5	8
129	Nanocomposites of ZnO Nanorods In-Situ Grown on Graphitic Carbon Nitride for Ethanol Sensing. IEEE Sensors Journal, 2020, 20, 11097-11104.	4.7	7
130	Research Progress on Coating of Sensitive Materials for Micro-Hotplate Gas Sensor. Micromachines, 2022, 13, 491.	2.9	7
131	Preparation of p-LaFeOâ‚ƒ/n-Feâ‚‚Oâ‚ƒ Heterojunction Composites by One-Step Hydrothermal Method and Gas Sensing Properties for Acetone. IEEE Transactions on Instrumentation and Measurement, 2022, 71, 1-9.	4.7	7
132	Preparation of NiO-In₂O₃ Ordered Porous Thin Film Materials With Enhanced n-Propanol Gas Sensing Properties. IEEE Sensors Journal, 2022, 22, 15716-15723.	4.7	7
133	Study on the interfacial structures of Tin oxide/multiwalled carbon nanotube heterojunctions. RSC Advances, 2012, 2, 1942.	3.6	6
134	InvestigationÂonÂTrimethylamineÂSensingÂPerformanceÂofÂPdOâ€ĐecoratedÂZnOÂFlowerâ€Łike StructuresÂSynthesizedÂbyÂOneâ€•StepÂHydrothermalÂMethod. ChemistrySelect, 2019, 4, 2694-2702.	1.5	6
135	Room-Temperature NH₃ Sensors Based on Boron-Doped Graphene Oxide: Enhanced Sensing Performance by B-N Covalent Interaction. IEEE Nanotechnology Magazine, 2021, 20, 726-732.	2.0	6
136	Ppb-Level Butanone Sensor Based on ZnO-TiO2-rGO Nanocomposites. Chemosensors, 2021, 9, 284.	3.6	6
137	Humidity sensing and temperature response performance of polymer gel cold-spliced optical fiber Fabry-Perot interferometer. Optical Fiber Technology, 2022, 68, 102823.	2.7	6
138	Novel facile detection of persistent organic pollutants using highly sensitive gas sensor. Talanta, 2010, 82, 409-416.	5.5	5
139	Plasma- and anneal-assisted hybridization of SWCNT-Au network for rapid and high-sensitive electrical detection of antibody-antigen interactions. Journal of Materials Chemistry, 2012, 22, 6139.	6.7	4
140	CTAB-Assisted Hydrothermal Synthesis of WO3Hierarchical Porous Structures and Investigation of Their Sensing Properties. Journal of Nanomaterials, 2015, 2015, 1-10.	2.7	3
141	UV-Light Assisted High-Performance n-Propanol Sensor Based on Rod-Like Co-Modified ZnO at Room Temperature. IEEE Sensors Journal, 2022, 22, 13882-13890.	4.7	3
142	Rapid detection of hazardous gas using one SnO/sub 2/ gas sensor based on dynamic measurement. , 0, , .		2
143	New approach for the detection of organophosphorus pesticide in cabbage using SPME/SnO2 gas sensor: principle and preliminary experiment. Sensors and Actuators B: Chemical, 2004, 102, 235-235.	7.8	2
144	An Efficient Base Conversion Using Variable Length Segmentation and Remainder Transfer. IEEE Signal Processing Letters, 2019, 26, 1227-1231.	3.6	2

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145	Ammonia Sensor Based on Monoclinic WO₃ Nanorods Operating at Room Temperature. IEEE Nanotechnology Magazine, 2021, 20, 619-626.	2.0	2
146	A highly selective and fast-responding triethylamine sensor based on Mo-SnO2 nanomaterials. Sensors and Actuators Reports, 2022, 4, 100106.	4.4	2
147	Dynamic Measurement of VOCs with Multiple Characteristic Peaks Based on Temperature Modulation of ZnO Gas Sensor. Chemosensors, 2022, 10, 226.	3.6	2
148	Electrochemistry of water in 1-butyl-3-methylimidazolium tetrafluoroborate at nickel electrode: application to hydrogen peroxide production and water sensing. Mikrochimica Acta, 2010, 168, 325-329.	5.0	1
149	Novel nanoparticle detection method using electrochemical device based on anodic aluminum oxide nanopore membrane. Procedia Engineering, 2010, 7, 100-105.	1.2	1
150	Comparison on gas-sensing properties of single- and multi-layered SnO2 nanostructures in drug-precursors detection. Procedia Engineering, 2010, 7, 123-129.	1.2	1
151	Facile preparation of size-controlled TiO2 nanoparticles by hot-filament metal oxide deposition method and their gas sensing properties to NO2. Functional Materials Letters, 2015, 08, 1550043.	1.2	1
152	Highly Sensitive Ethanol Sensor Based on Two-Dimensional Layered Mesoporous In₂O₃ Nanosheets. IEEE Nanotechnology Magazine, 2020, 19, 486-491.	2.0	1
153	The rapid SERS detection of succinylcholine chloride in human plasma is based on the high affinity between quaternary ammonium salt structures. Spectrochimica Acta - Part A: Molecular and Biomolecular Spectroscopy, 2021, 263, 120172.	3.9	1
154	A Novel Fluorescence Nanoprobing Strategy for Fluoride Anions Detection in Water. Nanoscience and Nanotechnology Letters, 2015, 7, 546-554.	0.4	1
155	Characterization of a novel microhotplate for application in a silicon-based nanofilm gas sensor. Instrumentation Science and Technology, 2023, 51, 45-58.	1.8	1
156	DYNAMIC CHARACTERISTICS OF SnO2 GAS SENSOR FOR LPG DETECTION. International Journal of Information Acquisition, 2004, 01, 225-230.	0.2	0
157	In situ fabrication of carbon nanotube/nanofibres from the bulk polymer at mild temperature. Materials Letters, 2006, 60, 2312-2314.	2.6	0
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