

Lu Geyu

List of Publications by Year in descending order

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175
papers

7,761
citations

46918

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all docs

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docs citations

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times ranked

6526
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#	ARTICLE	IF	CITATIONS
1	Ultra-fast and low detection limit of H ₂ S sensor based on hydrothermal synthesized Cu ₇ S ₄ -CuO microflowers. <i>Sensors and Actuators B: Chemical</i> , 2022, 350, 130847.	4.0	21
2	Microwave gas sensor for detection of ammonia at room-temperature. <i>Sensors and Actuators B: Chemical</i> , 2022, 350, 130854.	4.0	24
3	A Novel Ring Type Wideband Bandpass Filter: Proposal, Design, and Verification. <i>IEEE Transactions on Circuits and Systems II: Express Briefs</i> , 2022, 69, 949-953.	2.2	4
4	A Wideband Bandpass Power Divider With Out-of-Band Multi-Transmission Zeros and Controllable Equal-Ripple Levels. <i>IEEE Transactions on Microwave Theory and Techniques</i> , 2022, 70, 1178-1187.	2.9	18
5	Highly sensitive and selective xylene sensor based on p-p heterojunctions composites derived from off-stoichiometric cobalt tungstate. <i>Sensors and Actuators B: Chemical</i> , 2022, 351, 130973.	4.0	26
6	Enhanced n-pentanol sensing performance by RuCu alloy nanoparticles decorated SnO ₂ nanoclusters. <i>Sensors and Actuators B: Chemical</i> , 2022, 351, 130900.	4.0	13
7	Bimetallic PtRu alloy nanocrystal-functionalized flower-like WO ₃ for fast detection of xylene. <i>Sensors and Actuators B: Chemical</i> , 2022, 351, 130950.	4.0	16
8	Revealing the correlation between gas selectivity and semiconductor energy band structure derived from off-stoichiometric spinel CdGa ₂ O ₄ . <i>Sensors and Actuators B: Chemical</i> , 2022, 352, 131039.	4.0	8
9	Interfacial Stress-Modulated Mechanosensitive Upconversion Luminescence of NaErF ₄ -Based Heteroepitaxial Core-Shell Nanoparticles. <i>Advanced Optical Materials</i> , 2022, 10, 2101702.	3.6	8
10	Bioinspired spike-like double yolk-shell structured TiO ₂ @ZnIn ₂ S ₄ for efficient photocatalytic CO ₂ reduction. <i>Catalysis Science and Technology</i> , 2022, 12, 1092-1099.	2.1	9
11	Mixed potential type YSZ-based NO ₂ sensors with efficient three-dimensional three-phase boundary processed by electrospinning. <i>Sensors and Actuators B: Chemical</i> , 2022, 354, 131219.	4.0	14
12	A multi-platform sensor for selective and sensitive H ₂ S monitoring: Three-dimensional macroporous ZnO encapsulated by MOFs with small Pt nanoparticles. <i>Journal of Hazardous Materials</i> , 2022, 426, 128075.	6.5	41
13	Facile Surface Engineering of Composite Electron Transport Layer for Highly Efficient Perovskite Solar Cells with a Fill Factor Exceeding 81%. <i>Advanced Materials Interfaces</i> , 2022, 9, .	1.9	2
14	Dual-Functional Photocatalysis for Cooperative Hydrogen Evolution and Benzylamine Oxidation Coupling over Sandwiched-Like Pd@TiO ₂ @ZnIn ₂ S ₄ Nanobox. <i>Small</i> , 2022, 18, e2105114.	5.2	40
15	A Novel Synthesis Approach for Multi Coupled Line Section Impedance Transformers in Wideband Applications. <i>Applied Sciences (Switzerland)</i> , 2022, 12, 875.	1.3	1
16	Hierarchical mesoporous zinc oxide microspheres for ethanol gas sensor. <i>Sensors and Actuators B: Chemical</i> , 2022, 357, 131333.	4.0	44
17	Multi-cation hybrid stannic oxide electron transport layer for high-efficiency perovskite solar cells. <i>Journal of Colloid and Interface Science</i> , 2022, 614, 415-424.	5.0	9
18	Self-Assembly 3D Porous Crumpled MXene Spheres as Efficient Gas and Pressure Sensing Material for Transient All-MXene Sensors. <i>Nano-Micro Letters</i> , 2022, 14, 56.	14.4	33

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19	Gold-Trisoctahedra-Coated Capillary-Based SERS Platform for Microsampling and Sensitive Detection of Trace Fentanyl. <i>Analytical Chemistry</i> , 2022, 94, 4850-4858.	3.2	23
20	Highly Selective Mixed Potential Methanol Gas Sensor Based on a Ce _{0.8} Gd _{0.2} O _{1.95} Solid Electrolyte and Au Sensing Electrode. <i>ACS Sensors</i> , 2022, 7, 972-984.	4.0	9
21	Understanding the Increasing Trend of Sensor Signal with Decreasing Oxygen Partial Pressure by a Sensing-Reaction Model Based on O ^{2•-} Species. <i>ACS Sensors</i> , 2022, 7, 1095-1104.	4.0	7
22	Electrospinning Derived NiO/NiFe ₂ O ₄ Fiber-in-Tube Composite for Fast Triethylamine Detection under Different Humidity. <i>ACS Sensors</i> , 2022, 7, 995-1007.	4.0	40
23	Self-assembled multiprotein nanostructures with enhanced stability and signal amplification capability for sensitive fluorogenic immunoassays. <i>Biosensors and Bioelectronics</i> , 2022, 206, 114132.	5.3	6
24	Bioinspired laccase-mimicking catalyst for on-site monitoring of thiram in paper-based colorimetric platform. <i>Biosensors and Bioelectronics</i> , 2022, 207, 114199.	5.3	18
25	Bioinspired Catechol-Grating PEDOT Cathode for an All-Polymer Aqueous Proton Battery with High Voltage and Outstanding Rate Capacity. <i>Advanced Science</i> , 2022, 9, e2103896.	5.6	32
26	Photonic Crystal Effects on Upconversion Enhancement of LiErF ₄ :0.5%Tm ³⁺ @LiYF ₄ for Noncontact Cholesterol Detection. <i>ACS Applied Materials & Interfaces</i> , 2022, 14, 428-438.	4.0	8
27	The Introduction of Defects in Ti ₃ C ₂ T _x and Ti ₃ C ₂ T _x -Assisted Reduction of Graphene Oxide for Highly Selective Detection of ppb-Level NO ₂ . <i>Advanced Functional Materials</i> , 2022, 32, .	7.8	21
28	Two-Way Power Divider With Wide Tunable Power Ratio Range for Weighted-Polarization MIMO Antenna in BAN Radios at 2.45 GHz. <i>IEEE Antennas and Wireless Propagation Letters</i> , 2022, 21, 1333-1337.	2.4	4
29	The Introduction of Defects in Ti ₃ C ₂ T _x and Ti ₃ C ₂ T _x -Assisted Reduction of Graphene Oxide for Highly Selective Detection of ppb-Level NO ₂ (Adv. Funct. Mater. 15/2022). <i>Advanced Functional Materials</i> , 2022, 32, .	7.8	2
30	Embedding Proteins within Spatially Controlled Hierarchical Nanoarchitectures for Ultrasensitive Immunoassay. <i>Analytical Chemistry</i> , 2022, 94, 6271-6280.	3.2	6
31	All-Nanofiber Network Structure for Ultrasensitive Piezoresistive Pressure Sensors. <i>ACS Applied Materials & Interfaces</i> , 2022, 14, 19949-19957.	4.0	35
32	Ti ₃ C ₂ MXene Nanosheets Functionalized with NaErF ₄ :0.5%Tm@NaLuF ₄ Nanoparticles for Dual-Modal Near-Infrared IIb/Magnetic Resonance Imaging-Guided Tumor Hyperthermia. <i>ACS Applied Nano Materials</i> , 2022, 5, 8142-8153.	2.4	15
33	Molecular Conformation Engineering To Achieve Longer and Brighter Deep Red/Near-Infrared Emission in Crystalline State. <i>Journal of Physical Chemistry Letters</i> , 2022, 13, 4754-4761.	2.1	9
34	An Automatic Headlamp Leveling System based on the Ramp Detecting. , 2021, , .		7
35	An Adaptive Driving Beam System based on the Angle Information of the Opposite Vehicle. , 2021, , .		12
36	Stimulated Emission Depletion (STED) Super-Resolution Imaging with an Advanced Organic Fluorescent Probe: Visualizing the Cellular Lipid Droplets at the Unprecedented Nanoscale Resolution. , 2021, 3, 516-524.		22

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37	Analysis and design of a sharp rejection wideband bandstop filter with multiple transmission zeros and reflection zeros. IET Microwaves, Antennas and Propagation, 2021, 15, 995-1008.	0.7	3
38	A wideband bandstop filter with two independently controllable equal ripple levels. Electronics Letters, 2021, 57, 732-734.	0.5	1
39	Novel quaternary oxide semiconductor for the application of gas sensors with long-term stability. Journal of Colloid and Interface Science, 2021, 592, 186-194.	5.0	8
40	MOF-Derived Mesoporous and Hierarchical Hollow-Structured $\text{In}_2\text{O}_3\text{-NiO}$ Composites for Enhanced Triethylamine Sensing. ACS Sensors, 2021, 6, 3451-3461.	4.0	72
41	Ultrasensitive detection of SARS-CoV-2 spike protein in untreated saliva using SERS-based biosensor. Biosensors and Bioelectronics, 2021, 190, 113421.	5.3	113
42	A near-infrared light triggered fluorimetric biosensor for sensitive detection of acetylcholinesterase activity based on $\text{NaErF}_4: 0.5\% \text{Ho}^{3+} @ \text{NaYF}_4$ upconversion nano-probe. Talanta, 2021, 235, 122784.	2.9	9
43	Background-free sensing platform for on-site detection of carbamate pesticide through upconversion nanoparticles-based hydrogel suit. Biosensors and Bioelectronics, 2021, 194, 113598.	5.3	40
44	Machine Learning-Assisted Development of Sensitive Electrode Materials for Mixed Potential-Type NO_2 Gas Sensors. ACS Applied Materials & Interfaces, 2021, 13, 50121-50131.	4.0	16
45	STED Nanoscopy Imaging of Cellular Lipid Droplets Employing a Superior Organic Fluorescent Probe. Analytical Chemistry, 2021, 93, 14784-14791.	3.2	23
46	Room-Temperature Mixed-Potential Type ppb-Level NO Sensors Based on $\text{K}_2\text{Fe}_4\text{O}_7$ Electrolyte and Ni/Fe-MOF Sensing Electrodes. ACS Sensors, 2021, 6, 4435-4442.	4.0	16
47	Synthesis Theory of Wideband Bandstop Filter with Controllable Equal Ripples. , 2021, , .		0
48	A Design Approach of Wilkinson Power Divider with Ultra-wideband Bandpass Performance. , 2021, , .		0
49	Recent advances in carbon dots for bioimaging applications. Nanoscale Horizons, 2020, 5, 218-234.	4.1	192
50	Revealing the relationship between the Au decoration method and the enhanced acetone sensing performance of a mesoporous In_2O_3 -based gas sensor. Journal of Materials Chemistry C, 2020, 8, 78-88.	2.7	53
51	Insight into the effect of the continuous testing and aging on the SO_2 sensing characteristics of a YSZ (Yttria-stabilized Zirconia)-based sensor utilizing ZnGa_2O_4 and Pt electrodes. Journal of Hazardous Materials, 2020, 388, 121772.	6.5	17
52	Interface passivation and electron transport improvement via employing calcium fluoride for polymer solar cells. Journal of Colloid and Interface Science, 2020, 562, 142-148.	5.0	5
53	Construction of self-sensitized $\text{LiErF}_4: 0.5\% \text{Tm}^{3+} @ \text{LiYF}_4$ upconversion nanoprobe for trace water sensing. Nano Research, 2020, 13, 2803-2811.	5.8	24
54	An Optimization Algorithm in Ultrawideband Bandpass Wilkinson Power Divider for Controllable Equal-Ripple Level. IEEE Microwave and Wireless Components Letters, 2020, 30, 861-864.	2.0	28

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55	Lab in hydrogel portable kit: On-site monitoring of oxalate. <i>Biosensors and Bioelectronics</i> , 2020, 167, 112457.	5.3	26
56	The DNA controllable peroxidase mimetic activity of MoS ₂ nanosheets for constructing a robust colorimetric biosensor. <i>Nanoscale</i> , 2020, 12, 19420-19428.	2.8	52
57	Smartphone-Assisted Robust Sensing Platform for On-Site Quantitation of 2,4-Dichlorophenoxyacetic Acid Using Red Emissive Carbon Dots. <i>Analytical Chemistry</i> , 2020, 92, 12716-12724.	3.2	58
58	A Red-Emissive Fluorescent Probe with a Compact Single-Benzene-Based Skeleton for Cell Imaging of Lipid Droplets. <i>Advanced Optical Materials</i> , 2020, 8, 1902123.	3.6	40
59	Highly sensitive detection of Pb ²⁺ and Cu ²⁺ based on ZIF-67/MWCNT/Nafion-modified glassy carbon electrode. <i>Analytica Chimica Acta</i> , 2020, 1124, 166-175.	2.6	46
60	Design of Red Emissive Carbon Dots: Robust Performance for Analytical Applications in Pesticide Monitoring. <i>Analytical Chemistry</i> , 2020, 92, 3198-3205.	3.2	129
61	Detection of low concentration acetone utilizing semiconductor gas sensor. <i>Journal of Materials Science: Materials in Electronics</i> , 2020, 31, 5478-5484.	1.1	20
62	Cobalt-doped ZnO nanoparticles derived from zeolite imidazole frameworks: Synthesis, characterization, and application for the detection of an exhaled diabetes biomarker. <i>Journal of Colloid and Interface Science</i> , 2020, 569, 358-365.	5.0	30
63	Temperature-controlled resistive sensing of gaseous H ₂ S or NO ₂ by using flower-like palladium-doped SnO ₂ nanomaterials. <i>Mikrochimica Acta</i> , 2020, 187, 297.	2.5	6
64	A Novel Analysis Approach for Dual-Frequency Parallel Transmission-Line Transformer With Complex Terminal Loads. <i>IEEE Access</i> , 2020, 8, 57472-57482.	2.6	5
65	Gas Sensing Properties of Metal Cation Doping Oxide Semiconductors with Hierarchical Nanostructures. <i>ECS Meeting Abstracts</i> , 2020, MA2020-01, 2037-2037.	0.0	0
66	A Compact Bandpass Filter with Multi-Reflection Zeros and Sharp Attenuations. , 2020, , .		0
67	Understanding the noble metal modifying effect on In ₂ O ₃ nanowires: highly sensitive and selective gas sensors for potential early screening of multiple diseases. <i>Nanoscale Horizons</i> , 2019, 4, 1361-1371.	4.1	69
68	Construction of Efficient Deep-Red/Near-Infrared Emitter Based on a Large π -Conjugated Acceptor and Delayed Fluorescence OLEDs with External Quantum Efficiency of over 20%. <i>Journal of Physical Chemistry C</i> , 2019, 123, 18585-18592.	1.5	70
69	Integrating Target-Responsive Hydrogels with Smartphone for On-Site ppb-Level Quantitation of Organophosphate Pesticides. <i>ACS Applied Materials & Interfaces</i> , 2019, 11, 27605-27614.	4.0	77
70	Tandem catalysis driven by enzymes directed hybrid nanoflowers for on-site ultrasensitive detection of organophosphorus pesticide. <i>Biosensors and Bioelectronics</i> , 2019, 141, 111473.	5.3	72
71	Synthesis Theory of Ultra-Wideband Bandpass Transformer and its Wilkinson Power Divider Application With Perfect in-Band Reflection/Isolation. <i>IEEE Transactions on Microwave Theory and Techniques</i> , 2019, 67, 3377-3390.	2.9	46
72	Fluorescent hydrogel test kit coordination with smartphone: Robust performance for on-site dimethoate analysis. <i>Biosensors and Bioelectronics</i> , 2019, 145, 111706.	5.3	35

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73	Au ₃₉ Rh ₆₁ Alloy Nanocrystal-Decorated W ₁₈ O ₄₉ for Enhanced Detection of <i>n</i> -Butanol. ACS Sensors, 2019, 4, 2662-2670.	4.0	47
74	Influence of interlayer interactions on the relaxation dynamics of excitons in ultrathin MoS ₂ . Nanoscale Advances, 2019, 1, 1186-1192.	2.2	3
75	A rapid-response room-temperature planar type gas sensor based on DPA-Ph-DBPzDCN for the sensitive detection of NH ₃ . Journal of Materials Chemistry A, 2019, 7, 4744-4750.	5.2	37
76	Enhanced resistive acetone sensing by using hollow spherical composites prepared from MoO ₃ and In ₂ O ₃ . Mikrochimica Acta, 2019, 186, 359.	2.5	15
77	Improvement of Gas and Humidity Sensing Properties of Organ-like MXene by Alkaline Treatment. ACS Sensors, 2019, 4, 1261-1269.	4.0	232
78	Protein-Integrated Inorganic Hybrid Nanoflower-Rooted Agarose Hydrogel Platform for Point-of-Care Detection of Acetylcholine. ACS Applied Materials & Interfaces, 2019, 11, 11857-11864.	4.0	53
79	Realizing the Control of Electronic Energy Level Structure and Gas-Sensing Selectivity over Heteroatom-Doped In ₂ O ₃ Spheres with an Inverse Opal Microstructure. ACS Applied Materials & Interfaces, 2019, 11, 9600-9611.	4.0	76
80	Enhanced photovoltaic properties of dye-sensitized solar cells using three-component CNF/TiO ₂ /Au heterostructure. Journal of Colloid and Interface Science, 2019, 542, 168-176.	5.0	10
81	Strontium Fluoride and Zinc Oxide Stacked Structure as an Interlayer in High-Performance Inverted Polymer Solar Cells. ACS Applied Materials & Interfaces, 2019, 11, 2149-2158.	4.0	18
82	Preparation of silver-loaded titanium dioxide hedgehog-like architecture composed of hundreds of nanorods and its fast response to xylene. Journal of Colloid and Interface Science, 2019, 536, 215-223.	5.0	33
83	Enhancing the performance of polymer solar cells using solution-processed copper doped nickel oxide nanoparticles as hole transport layer. Journal of Colloid and Interface Science, 2019, 535, 308-317.	5.0	39
84	Ultrasensitive gas sensor based on hollow tungsten trioxide-nickel oxide (WO ₃ -NiO) nanoflowers for fast and selective xylene detection. Journal of Colloid and Interface Science, 2019, 535, 458-468.	5.0	90
85	A highly sensitive and moisture-resistant gas sensor for diabetes diagnosis with Pt@In ₂ O ₃ nanowires and a molecular sieve for protection. NPG Asia Materials, 2018, 10, 293-308.	3.8	129
86	High-response and low-temperature nitrogen dioxide gas sensor based on gold-loaded mesoporous indium trioxide. Journal of Colloid and Interface Science, 2018, 524, 368-378.	5.0	34
87	Self-Assembly Template Driven 3D Inverse Opal Microspheres Functionalized with Catalyst Nanoparticles Enabling a Highly Efficient Chemical Sensing Platform. ACS Applied Materials & Interfaces, 2018, 10, 5835-5844.	4.0	67
88	Anchoring ultrafine Pd nanoparticles and SnO ₂ nanoparticles on reduced graphene oxide for high-performance room temperature NO ₂ sensing. Journal of Colloid and Interface Science, 2018, 514, 599-608.	5.0	60
89	Enhanced nitrogen oxide sensing performance based on tin-doped tungsten oxide nanoplates by a hydrothermal method. Journal of Colloid and Interface Science, 2018, 512, 740-749.	5.0	23
90	Hydrothermal synthesis of hierarchical CoO/SnO ₂ nanostructures for ethanol gas sensor. Journal of Colloid and Interface Science, 2018, 513, 760-766.	5.0	75

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91	Novel Self-Assembly Route Assisted Ultra-Fast Trace Volatile Organic Compounds Gas Sensing Based on Three-Dimensional Opal Microspheres Composites for Diabetes Diagnosis. ACS Applied Materials & Interfaces, 2018, 10, 32913-32921.	4.0	40
92	Metal-organic frameworks derived tin-doped cobalt oxide yolk-shell nanostructures and their gas sensing properties. Journal of Colloid and Interface Science, 2018, 528, 53-62.	5.0	42
93	Facile synthesis of nitrogen and sulfur co-doped carbon dots for multiple sensing capacities: alkaline fluorescence enhancement effect, temperature sensing, and selective detection of Fe ³⁺ ions. New Journal of Chemistry, 2018, 42, 13147-13156.	1.4	26
94	Gas sensor based on samarium oxide loaded mulberry-shaped tin oxide for highly selective and sub ppm-level acetone detection. Journal of Colloid and Interface Science, 2018, 531, 74-82.	5.0	35
95	APTES-functionalized thin-walled porous WO ₃ nanotubes for highly selective sensing of NO ₂ in a polluted environment. Journal of Materials Chemistry A, 2018, 6, 10976-10989.	5.2	100
96	The facile synthesis of MoO ₃ microsheets and their excellent gas-sensing performance toward triethylamine: high selectivity, excellent stability and superior repeatability. New Journal of Chemistry, 2018, 42, 15111-15120.	1.4	73
97	Acetone gas sensor based on NiO/ZnO hollow spheres: Fast response and recovery, and low (ppb) detection limit. Journal of Colloid and Interface Science, 2017, 495, 207-215.	5.0	182
98	Hierarchical Assembly of γ -Fe ₂ O ₃ Nanorods on Multiwall Carbon Nanotubes as a High-Performance Sensing Material for Gas Sensors. ACS Applied Materials & Interfaces, 2017, 9, 8919-8928.	4.0	108
99	Flower-like In ₂ O ₃ modified by reduced graphene oxide sheets serving as a highly sensitive gas sensor for trace NO ₂ detection. Journal of Colloid and Interface Science, 2017, 504, 206-213.	5.0	113
100	Reversible Bond/Cation-Coupled Electron Transfer on Phenylenediamine-Based Rhodamine B and Its Application on Electrochromism. ACS Applied Materials & Interfaces, 2017, 9, 20196-20204.	4.0	16
101	One-dimensional Cr-doped NiO nanostructures serving as a highly sensitive gas sensor for trace xylene detection. RSC Advances, 2017, 7, 41105-41110.	1.7	17
102	Octahedral-Like CuO/In ₂ O ₃ Mesocages with Double-Shell Architectures: Rational Preparation and Application in Hydrogen Sulfide Detection. ACS Applied Materials & Interfaces, 2017, 9, 44632-44640.	4.0	46
103	Synthesis and NO ₂ gas-sensing properties of coral-like indium oxide via a facile solvothermal method. RSC Advances, 2017, 7, 49273-49278.	1.7	13
104	Porous γ -Fe ₂ O ₃ microflowers: Synthesis, structure, and enhanced acetone sensing performances. Journal of Colloid and Interface Science, 2017, 505, 1039-1046.	5.0	35
105	Improvement of NO ₂ sensing characteristic for mixed potential type gas sensor based on YSZ and Rh/Co ₃ V ₂ O ₈ sensing electrode. RSC Advances, 2017, 7, 49440-49445.	1.7	11
106	Synthesis and NO ₂ sensing properties of indium oxide nanorod clusters via a simple solvothermal route. RSC Advances, 2016, 6, 47083-47088.	1.7	9
107	Enhanced Gas Sensing Properties of SnO ₂ Hollow Spheres Decorated with CeO ₂ Nanoparticles Heterostructure Composite Materials. ACS Applied Materials & Interfaces, 2016, 8, 6669-6677.	4.0	271
108	Highly sensitive mixed-potential type ethanol sensors based on stabilized zirconia and ZnNb ₂ O ₆ sensing electrode. RSC Advances, 2016, 6, 27197-27204.	1.7	5

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109	3D TiO ₂ /ZnO composite nanospheres as an excellent electron transport anode for efficient dye-sensitized solar cells. RSC Advances, 2016, 6, 51320-51326.	1.7	11
110	Mesoporous ZnFe ₂ O ₄ prepared through hard template and its acetone sensing properties. Materials Letters, 2016, 183, 378-381.	1.3	44
111	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.	5.0	17
112	The enhanced CO gas sensing performance of Pd/SnO ₂ hollow sphere sensors under hydrothermal conditions. RSC Advances, 2016, 6, 80455-80461.	1.7	15
113	Design of Core-Shell Heterostructure Nanofibers with Different Work Function and Their Sensing Properties to Trimethylamine. ACS Applied Materials & Interfaces, 2016, 8, 19799-19806.	4.0	93
114	Design of γ -Fe ₂ O ₃ nanorods functionalized tubular NiO nanostructure for discriminating toluene molecules. Scientific Reports, 2016, 6, 26432.	1.6	49
115	Mixed-potential type NO sensor using stabilized zirconia and MoO ₃ /In ₂ O ₃ nanocomposites. Ceramics International, 2016, 42, 12503-12507.	2.3	37
116	A low temperature operating gas sensor with high response to NO ₂ based on ordered mesoporous Ni-doped In ₂ O ₃ . New Journal of Chemistry, 2016, 40, 2376-2382.	1.4	38
117	Design of Superior Ethanol Gas Sensor Based on Al-Doped NiO Nanorod-Flowers. ACS Sensors, 2016, 1, 131-136.	4.0	334
118	YSZ-based NO ₂ sensor utilizing hierarchical In ₂ O ₃ electrode. Sensors and Actuators B: Chemical, 2016, 222, 698-706.	4.0	40
119	Template-free synthesis of hierarchical ZnFe ₂ O ₄ yolk-shell microspheres for high-sensitivity acetone sensors. Nanoscale, 2016, 8, 5446-5453.	2.8	125
120	High performance mixed-potential type NO ₂ sensors based on three-dimensional TPB and Co ₃ V ₂ O ₈ sensing electrode. Sensors and Actuators B: Chemical, 2015, 216, 121-127.	4.0	40
121	Double-Shell Architectures of ZnFe ₂ O ₄ Nanosheets on ZnO Hollow Spheres for High-Performance Gas Sensors. ACS Applied Materials & Interfaces, 2015, 7, 17811-17818.	4.0	127
122	Mixed potential type acetone sensor using stabilized zirconia and M ₃ V ₂ O ₈ (M: Zn, Co and Ni) sensing electrode. Sensors and Actuators B: Chemical, 2015, 221, 673-680.	4.0	62
123	Nanosheet-Assembled ZnFe ₂ O ₄ Hollow Microspheres for High-Sensitive Acetone Sensor. ACS Applied Materials & Interfaces, 2015, 7, 15414-15421.	4.0	234
124	Highly sensitive and humidity-independent ethanol sensors based on In ₂ O ₃ nanoflower/SnO ₂ nanoparticle composites. RSC Advances, 2015, 5, 52252-52258.	1.7	42
125	Highly Enhanced Sensing Properties for ZnO Nanoparticle-Decorated Round-Edged γ -Fe ₂ O ₃ Hexahedrons. ACS Applied Materials & Interfaces, 2015, 7, 8743-8749.	4.0	62
126	One-pot synthesis of hierarchical WO ₃ hollow nanospheres and their gas sensing properties. RSC Advances, 2015, 5, 29698-29703.	1.7	26

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127	Synthesis, characterization and gas sensing properties of porous flower-like indium oxide nanostructures. RSC Advances, 2015, 5, 30297-30302.	1.7	21
128	Hierarchical TiO ₂ flower-spheres with large surface area and high scattering ability: an excellent candidate for high efficiency dye sensitized solar cells. Chemical Research in Chinese Universities, 2015, 31, 841-845.	1.3	4
129	Mixed-potential-type YSZ-based sensor with nano-structured NiO and porous TPB processed with pore-formers using coating technique. Sensors and Actuators B: Chemical, 2015, 221, 1321-1329.	4.0	22
130	Synthesis of hierarchical ZnO/ZnFe ₂ O ₄ nanoforests with enhanced gas-sensing performance toward ethanol. CrystEngComm, 2015, 17, 8683-8688.	1.3	24
131	Enhanced sensitive and selective xylene sensors using W-doped NiO nanotubes. Sensors and Actuators B: Chemical, 2015, 221, 1475-1482.	4.0	101
132	Hierarchical Assembly of γ -Fe ₂ O ₃ Nanosheets on SnO ₂ Hollow Nanospheres with Enhanced Ethanol Sensing Properties. ACS Applied Materials & Interfaces, 2015, 7, 19119-19125.	4.0	91
133	Facile synthesis of hollow In ₂ O ₃ microspheres and their gas sensing performances. RSC Advances, 2015, 5, 4609-4614.	1.7	16
134	Au@In ₂ O ₃ core-shell composites: a metal-semiconductor heterostructure for gas sensing applications. RSC Advances, 2015, 5, 545-551.	1.7	61
135	NASICON-based H ₂ sensor using CoCrMnO ₄ insensitive reference electrode and buried Au sensing electrode. Chemical Research in Chinese Universities, 2014, 30, 965-970.	1.3	0
136	Enhanced chlorine sensing performance of the sensor based NASICON and Cr-series spinel-type oxide electrode with aging treatment. Sensors and Actuators B: Chemical, 2014, 198, 26-32.	4.0	19
137	One-pot synthesis of cuboid WO ₃ crystal and its gas sensing properties. RSC Advances, 2014, 4, 18365-18369.	1.7	15
138	Novel cage-like γ -Fe ₂ O ₃ /SnO ₂ composite nanofibers by electrospinning for rapid gas sensing properties. RSC Advances, 2014, 4, 27552-27555.	1.7	35
139	Hollow zinc oxide microspheres functionalized by Au nanoparticles for gas sensors. RSC Advances, 2014, 4, 28005.	1.7	36
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