

Qi Wang

List of Publications by Year in descending order

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76
papers

3,259
citations

109321

35
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155660

55
g-index

76
all docs

76
docs citations

76
times ranked

2301
citing authors

#	ARTICLE	IF	CITATIONS
1	Sensing performance of $\hat{I}\pm$ -Fe ₂ O ₃ /Ti ₃ C ₂ T _x MXene nanocomposites to NH ₃ at room temperature. <i>Journal of Alloys and Compounds</i> , 2022, 898, 162812.	5.5	47
2	Enhanced trimethylamine gas-sensing performance of CeO ₂ nanoparticles-decorated MoO ₃ nanorods. <i>Journal of Materials Science: Materials in Electronics</i> , 2022, 33, 3453-3464.	2.2	7
3	MOF-derived In ₂ O ₃ microtubes as an effective sensing material for sub-ppm-level triethylamine detection. <i>Inorganic Chemistry Communication</i> , 2022, 140, 109455.	3.9	8
4	2D/2D SnO ₂ nanosheets/Ti ₃ C ₂ T _x MXene nanocomposites for detection of triethylamine at low temperature. <i>Ceramics International</i> , 2022, 48, 9059-9066.	4.8	24
5	Metal-organic frameworks-derived In ₂ O ₃ microtubes/Ti ₃ C ₂ T _x MXene composites for NH ₃ detection at room temperature. <i>Sensors and Actuators B: Chemical</i> , 2022, 361, 131755.	7.8	59
6	ZnSnO ₃ nanocubes/Ti ₃ C ₂ T _x MXene composites for enhanced formaldehyde gas sensing properties at room temperature. <i>Applied Surface Science</i> , 2022, 598, 153861.	6.1	46
7	MOF-derived In ₂ O ₃ nanotubes/Cr ₂ O ₃ nanoparticles composites for superior ethanol gas-sensing performance at room temperature. <i>Ceramics International</i> , 2022, 48, 28334-28342.	4.8	9
8	Metal-organic framework-derived In-doped Fe ₂ O ₃ spindles with enhanced acetone gas sensing performance. <i>Inorganic Chemistry Communication</i> , 2022, 142, 109658.	3.9	8
9	Cu-doped Fe ₂ O ₃ porous spindles derived from metal-organic frameworks with enhanced sensitivity to triethylamine. <i>Materials Science in Semiconductor Processing</i> , 2021, 123, 105510.	4.0	25
10	Synthesis of Ba-doped porous LaFeO ₃ microspheres with perovskite structure for rapid detection of ethanol gas. <i>Rare Metals</i> , 2021, 40, 1651-1661.	7.1	40
11	Gas sensor based on rGO/ZnO aerogel for efficient detection of NO ₂ at room temperature. <i>Journal of Materials Science: Materials in Electronics</i> , 2021, 32, 10058-10069.	2.2	23
12	Novel strategy to construct porous Sn-doped ZnO/ZnFe ₂ O ₄ heterostructures for superior triethylamine detection. <i>Materials Science in Semiconductor Processing</i> , 2021, 125, 105643.	4.0	21
13	Hierarchical assembly of SnO ₂ nanorod on spindle-like $\hat{I}\pm$ -Fe ₂ O ₃ for enhanced acetone gas-sensing performance. <i>Ceramics International</i> , 2021, 47, 12181-12188.	4.8	16
14	Facile synthesis of CuO nanoribbons/rGO nanocomposites for high-performance formaldehyde gas sensor at low temperature. <i>Journal of Materials Science: Materials in Electronics</i> , 2021, 32, 19297-19308.	2.2	5
15	Flexible MXene/rGO/CuO hybrid aerogels for high performance acetone sensing at room temperature. <i>Sensors and Actuators B: Chemical</i> , 2021, 340, 129946.	7.8	117
16	Ultra-low concentration detection of NH ₃ using rGO/Cu ₂ O nanocomposites at low temperature. <i>Journal of Materials Science: Materials in Electronics</i> , 2021, 32, 22617-22628.	2.2	1
17	In ₂ O ₃ nanocubes/Ti ₃ C ₂ T _x MXene composites for enhanced methanol gas sensing properties at room temperature. <i>Ceramics International</i> , 2021, 47, 23028-23037.	4.8	78
18	Metal-organic framework-derived Cr-doped hollow In ₂ O ₃ nanoboxes with excellent gas-sensing performance toward ammonia. <i>Journal of Alloys and Compounds</i> , 2021, 879, 160472.	5.5	42

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19	Three-dimensional reduced graphene oxide/cobaltosic oxide as a high-response sensor for triethylamine gas at room temperature. <i>Materials Science in Semiconductor Processing</i> , 2021, 133, 105904.	4.0	15
20	Ag nanoparticles-functionalized dumbbell-shaped In ₂ O ₃ derived from MIL-68(In) with excellent sensitivity to formaldehyde. <i>Journal of Alloys and Compounds</i> , 2021, 888, 161509.	5.5	29
21	Î±-Fe ₂ O ₃ nanocubes/Ti ₃ C ₂ T _x MXene composites for improvement of acetone sensing performance at room temperature. <i>Sensors and Actuators B: Chemical</i> , 2021, 349, 130782.	7.8	72
22	Ce-doped hollow In ₂ O ₃ nanoboxes derived from metal-organic frameworks with excellent formaldehyde-sensing performance. <i>Journal of Materials Science: Materials in Electronics</i> , 2021, 32, 27290-27304.	2.2	10
23	MOF-derived Î±-Fe ₂ O ₃ porous spindle combined with reduced graphene oxide for improvement of TEA sensing performance. <i>Sensors and Actuators B: Chemical</i> , 2020, 304, 127306.	7.8	83
24	rGO-wrapped porous LaFeO ₃ microspheres for high-performance triethylamine gas sensors. <i>Ceramics International</i> , 2020, 46, 9363-9369.	4.8	34
25	Porous ZnO cubes derived from metal-organic frameworks with excellent sensing performance triethylamine. <i>Journal of Materials Science: Materials in Electronics</i> , 2020, 31, 838-847.	2.2	9
26	Enhanced trimethylamine sensing properties of ternary rGO/MoO ₃ /Au hybrid nanomaterials. <i>Journal of Materials Science: Materials in Electronics</i> , 2020, 31, 20549-20560.	2.2	9
27	Reduced graphene oxide-porous In ₂ O ₃ nanocubes hybrid nanocomposites for room-temperature NH ₃ sensing. <i>Chinese Chemical Letters</i> , 2020, 31, 2067-2070.	9.0	29
28	Facile synthesis of Au-decorated Î±-Fe ₂ O ₃ /rGO ternary hybrid structure nanocomposites for enhanced triethylamine gas-sensing properties. <i>Journal of Materials Science: Materials in Electronics</i> , 2020, 31, 22713-22726.	2.2	8
29	Cu ₂ O-BiOI isotype (p-p) heterojunction: Boosted visible-light-driven photoelectrochemical activity for non-enzymatic H ₂ O ₂ sensing. <i>Applied Surface Science</i> , 2020, 521, 146434.	6.1	52
30	Spindle-like Fe ₂ O ₃ /ZnFe ₂ O ₄ porous nanocomposites derived from metal-organic frameworks with excellent sensing performance towards triethylamine. <i>Sensors and Actuators B: Chemical</i> , 2020, 317, 128205.	7.8	64
31	Construction of porous LaFeO ₃ microspheres decorated with NiO nanosheets for high response ethanol gas sensors. <i>Applied Surface Science</i> , 2020, 515, 146025.	6.1	64
32	Porous LaFeO ₃ microspheres decorated with Au nanoparticles for superior formaldehyde gas-sensing performances. <i>Journal of Materials Science: Materials in Electronics</i> , 2020, 31, 4632-4641.	2.2	15
33	Synthesis of reduced graphene oxide/SnO ₂ nanosheets/Au nanoparticles ternary composites with enhanced formaldehyde sensing performance. <i>Physica E: Low-Dimensional Systems and Nanostructures</i> , 2020, 118, 113953.	2.7	25
34	Hydrothermal preparation and acetone-sensing properties of Ni-doped porous LaFeO ₃ microspheres. <i>Journal of Materials Science: Materials in Electronics</i> , 2020, 31, 6679-6689.	2.2	14
35	Metal-organic frameworks-derived porous Î±-Fe ₂ O ₃ spindles decorated with Au nanoparticles for enhanced triethylamine gas-sensing performance. <i>Journal of Alloys and Compounds</i> , 2020, 831, 154788.	5.5	18
36	Synthesis of novel RuO ₂ /LaFeO ₃ porous microspheres its gas sensing performances towards triethylamine. <i>Journal of Alloys and Compounds</i> , 2019, 806, 960-967.	5.5	45

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37	Enhanced triethylamine sensing performance of MoO ₃ nanobelts by RuO ₂ nanoparticles decoration. <i>Vacuum</i> , 2019, 162, 85-91.	3.5	31
38	Enhanced triethylamine gas sensing performance of the PbS nanoparticles-functionalized MoO ₃ nanobelts. <i>Journal of Materials Science: Materials in Electronics</i> , 2019, 30, 2898-2907.	2.2	11
39	ppb level triethylamine detection of yolk-shell SnO ₂ /Au/Fe ₂ O ₃ nanoboxes at low-temperature. <i>Applied Surface Science</i> , 2019, 476, 391-401.	6.1	46
40	Reduced graphene oxide-SnO ₂ nanosheets hybrid nanocomposite for improvement of formaldehyde sensing properties. <i>Journal of Materials Science: Materials in Electronics</i> , 2019, 30, 12204-12214.	2.2	7
41	Highly sensitive and selective triethylamine gas sensor based on Ag nanoparticles-decorated MoO ₃ nanobelts. <i>Materials Research Express</i> , 2019, 6, 125910.	1.6	10
42	Trimethylamine detection of 3D rGO/mesoporous In ₂ O ₃ nanocomposites at room temperature. <i>Applied Surface Science</i> , 2019, 465, 625-634.	6.1	70
43	Template-free fabrication of hierarchical In ₂ O ₃ hollow microspheres with superior HCHO-sensing properties. <i>Physica E: Low-Dimensional Systems and Nanostructures</i> , 2018, 99, 152-159.	2.7	11
44	In situ formation of one-dimensional CoMoO ₄ /MoO ₃ heterojunction as an effective trimethylamine gas sensor. <i>Ceramics International</i> , 2018, 44, 3364-3370.	4.8	57
45	Ultra-fast responding C ₂ H ₅ OH sensors based on hierarchical assembly of SnO ₂ nanorods on cube-like γ -Fe ₂ O ₃ . <i>Journal of Materials Science: Materials in Electronics</i> , 2018, 29, 5446-5453.	2.2	2
46	Synthesis of mesoporous In ₂ O ₃ nanocubes and their superior trimethylamine sensing properties. <i>Materials Science in Semiconductor Processing</i> , 2018, 75, 58-64.	4.0	17
47	Facile hydrothermal synthesis of mesoporous In ₂ O ₃ nanoparticles with superior formaldehyde-sensing properties. <i>Physica E: Low-Dimensional Systems and Nanostructures</i> , 2018, 97, 38-44.	2.7	17
48	Enhanced acetone sensing performance of an γ -Fe ₂ O ₃ -In ₂ O ₃ heterostructure nanocomposite sensor. <i>Journal of Physics and Chemistry of Solids</i> , 2018, 120, 261-270.	4.0	32
49	Hierarchical assembly of Fe ₂ O ₃ nanorods on SnO ₂ nanospheres with enhanced ethanol sensing properties. <i>Physica E: Low-Dimensional Systems and Nanostructures</i> , 2018, 103, 156-163.	2.7	12
50	Synthesis of porous SnO ₂ hexagon nanosheets loaded with Au nanoparticles for high performance gas sensors. <i>Materials Letters</i> , 2017, 201, 211-215.	2.6	37
51	Template-assisted synthesis of hierarchical MoO ₃ microboxes and their high gas-sensing performance. <i>Sensors and Actuators B: Chemical</i> , 2017, 249, 458-466.	7.8	60
52	Highly sensitive and selective trimethylamine sensors based on WO ₃ nanorods decorated with Au nanoparticles. <i>Physica E: Low-Dimensional Systems and Nanostructures</i> , 2017, 90, 109-115.	2.7	30
53	In ₂ O ₃ nanosheets array directly grown on Al ₂ O ₃ ceramic tube and their gas sensing performance. <i>Ceramics International</i> , 2017, 43, 7942-7947.	4.8	17
54	Hierarchical peony-like Sb-doped SnO ₂ nanostructures: Synthesis, characterization and HCHO sensing properties. <i>Materials Letters</i> , 2017, 191, 173-177.	2.6	35

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55	Highly sensitive detection of acetone using mesoporous In ₂ O ₃ nanospheres decorated with Au nanoparticles. <i>Sensors and Actuators B: Chemical</i> , 2017, 242, 983-993.	7.8	115
56	Facile approach to prepare hierarchical Au-loaded In ₂ O ₃ porous nanocubes and their enhanced sensing performance towards formaldehyde. <i>Sensors and Actuators B: Chemical</i> , 2017, 241, 1130-1138.	7.8	63
57	Enhanced trimethylamine sensing performance of single-crystal MoO ₃ nanobelts decorated with Au nanoparticles. <i>Journal of Alloys and Compounds</i> , 2016, 685, 1024-1033.	5.5	66
58	In ₂ O ₃ -functionalized MoO ₃ heterostructure nanobelts with improved gas-sensing performance. <i>RSC Advances</i> , 2016, 6, 50423-50430.	3.6	42
59	An ultrasensitive sandwich-type electrochemical immunosensor for carcino embryonie antigen based on supermolecular labeling strategy. <i>Journal of Electroanalytical Chemistry</i> , 2016, 781, 289-295.	3.8	12
60	A simple large-scale synthesis of mesoporous In ₂ O ₃ for gas sensing applications. <i>Applied Surface Science</i> , 2016, 378, 443-450.	6.1	47
61	Au nanoparticles modified MoO ₃ nanosheets with their enhanced properties for gas sensing. <i>Sensors and Actuators B: Chemical</i> , 2016, 236, 201-207.	7.8	36
62	Facile synthesis, characterization and gas sensing performance of ZnO nanoparticles-coated MoS ₂ nanosheets. <i>Journal of Alloys and Compounds</i> , 2016, 662, 118-125.	5.5	125
63	Self-assembled hierarchical Au-loaded In ₂ O ₃ hollow microspheres with superior ethanol sensing properties. <i>Sensors and Actuators B: Chemical</i> , 2016, 231, 245-255.	7.8	70
64	A low temperature gas sensor based on Au-loaded MoS ₂ hierarchical nanostructures for detecting ammonia. <i>Ceramics International</i> , 2016, 42, 9327-9331.	4.8	103
65	Synthesis of porous SnO ₂ nanocubes via selective leaching and enhanced gas-sensing properties. <i>Applied Surface Science</i> , 2016, 360, 1059-1065.	6.1	15
66	Enhanced methanol gas-sensing performance of Ce-doped In ₂ O ₃ porous nanospheres prepared by hydrothermal method. <i>Sensors and Actuators B: Chemical</i> , 2015, 216, 488-496.	7.8	152
67	Preparation of porous LaFeO ₃ microspheres and their gas-sensing property. <i>Applied Surface Science</i> , 2015, 337, 65-71.	6.1	80
68	Controllable synthesis of novel ZnSn(OH) ₆ hollow polyhedral structures with superior ethanol gas-sensing performance. <i>Sensors and Actuators B: Chemical</i> , 2015, 209, 384-390.	7.8	31
69	Structural and Acetone Sensing Properties of La-Doped Porous In ₂ O ₃ Nanospheres by Hydrothermal Synthesis. <i>Advanced Materials Research</i> , 2014, 1053, 177-180.	0.3	0
70	Cu ₂ O template-assisted synthesis of porous In ₂ O ₃ hollow spheres with fast response towards acetone. <i>Materials Letters</i> , 2014, 124, 93-96.	2.6	25
71	Hydrothermal synthesis of porous In ₂ O ₃ nanospheres with superior ethanol sensing properties. <i>Sensors and Actuators B: Chemical</i> , 2014, 196, 434-439.	7.8	121
72	Flower-like In ₂ O ₃ hierarchical nanostructures: synthesis, characterization, and gas sensing properties. <i>RSC Advances</i> , 2014, 4, 50241-50248.	3.6	43

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73	Preparation of biomorphic porous LaFeO ₃ by sorghum straw biotemplate method and its acetone sensing properties. <i>Sensors and Actuators B: Chemical</i> , 2014, 196, 140-146.	7.8	106
74	Acetone sensing characteristics of ZnO hollow spheres prepared by one-pot hydrothermal reaction. <i>Materials Letters</i> , 2012, 86, 168-170.	2.6	64
75	Preparation, characterization and acetone sensing properties of Ce-doped SnO ₂ hollow spheres. <i>Sensors and Actuators B: Chemical</i> , 2012, 173, 839-846.	7.8	174
76	Synthesis and gas sensing properties of biomorphic LaFeO ₃ hollow fibers templated from cotton. <i>Sensors and Actuators B: Chemical</i> , 2010, 147, 248-254.	7.8	96