

Nguyen Duc Hoa

List of Publications by Year in descending order

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127
papers

5,422
citations

46984

47
h-index

106281

65
g-index

128
all docs

128
docs citations

128
times ranked

5017
citing authors

#	ARTICLE	IF	CITATIONS
1	Design of SnO ₂ /ZnO hierarchical nanostructures for enhanced ethanol gas-sensing performance. <i>Sensors and Actuators B: Chemical</i> , 2012, 174, 594-601.	4.0	174
2	Synthesis of Mesoporous NiO Nanosheets for the Detection of Toxic NO ₂ Gas. <i>Chemistry - A European Journal</i> , 2011, 17, 12896-12901.	1.7	158
3	Synthesis of porous CuO nanowires and its application to hydrogen detection. <i>Sensors and Actuators B: Chemical</i> , 2010, 146, 266-272.	4.0	142
4	Preparing large-scale WO ₃ nanowire-like structure for high sensitivity NH ₃ gas sensor through a simple route. <i>Current Applied Physics</i> , 2011, 11, 657-661.	1.1	135
5	Effective decoration of Pd nanoparticles on the surface of SnO ₂ nanowires for enhancement of CO gas-sensing performance. <i>Journal of Hazardous Materials</i> , 2014, 265, 124-132.	6.5	125
6	Nanowire structured SnO _x @SWNT composites: High performance sensor for NO _x detection. <i>Sensors and Actuators B: Chemical</i> , 2009, 142, 253-259.	4.0	123
7	Fabrication of highly sensitive and selective H ₂ gas sensor based on SnO ₂ thin film sensitized with microsized Pd islands. <i>Journal of Hazardous Materials</i> , 2016, 301, 433-442.	6.5	119
8	Chlorine Gas Sensing Performance of On-Chip Grown ZnO, WO ₃ , and SnO ₂ Nanowire Sensors. <i>ACS Applied Materials & Interfaces</i> , 2016, 8, 4828-4837.	4.0	116
9	On-chip fabrication of SnO ₂ -nanowire gas sensor: The effect of growth time on sensor performance. <i>Sensors and Actuators B: Chemical</i> , 2010, 146, 361-367.	4.0	102
10	One-step fabrication of SnO ₂ porous nanofiber gas sensors for sub-ppm H ₂ S detection. <i>Sensors and Actuators A: Physical</i> , 2020, 303, 111722.	2.0	98
11	Synthesis of p-type semiconducting cupric oxide thin films and their application to hydrogen detection. <i>Sensors and Actuators B: Chemical</i> , 2010, 146, 239-244.	4.0	96
12	Outstanding gas-sensing performance of graphene/SnO ₂ nanowire Schottky junctions. <i>Applied Physics Letters</i> , 2014, 105, .	1.5	93
13	Facile on-chip electrospinning of ZnFe ₂ O ₄ nanofiber sensors with excellent sensing performance to H ₂ S down ppb level. <i>Journal of Hazardous Materials</i> , 2018, 360, 6-16.	6.5	87
14	Facile synthesis of Fe ₂ O ₃ nanoparticles for high-performance CO gas sensor. <i>Materials Research Bulletin</i> , 2015, 68, 302-307.	2.7	80
15	Facile synthesis of ultrafine rGO/WO ₃ nanowire nanocomposites for highly sensitive toxic NH ₃ gas sensors. <i>Materials Research Bulletin</i> , 2020, 125, 110810.	2.7	80
16	Excellent detection of H ₂ S gas at ppb concentrations using ZnFe ₂ O ₄ nanofibers loaded with reduced graphene oxide. <i>Sensors and Actuators B: Chemical</i> , 2019, 282, 876-884.	4.0	75
17	On-chip growth of wafer-scale planar-type ZnO nanorod sensors for effective detection of CO gas. <i>Sensors and Actuators B: Chemical</i> , 2013, 181, 529-536.	4.0	74
18	Synthesis, characterization, and comparative gas-sensing properties of Fe ₂ O ₃ prepared from Fe ₃ O ₄ and Fe ₃ O ₄ -chitosan. <i>Journal of Alloys and Compounds</i> , 2012, 523, 120-126.	2.8	72

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19	Meso-/Nanoporous Semiconducting Metal Oxides for Gas Sensor Applications. <i>Journal of Nanomaterials</i> , 2015, 2015, 1-14.	1.5	71
20	Diameter controlled synthesis of tungsten oxide nanorod bundles for highly sensitive NO ₂ gas sensors. <i>Sensors and Actuators B: Chemical</i> , 2013, 183, 372-380.	4.0	70
21	Enhancement of gas-sensing characteristics of hydrothermally synthesized WO ₃ nanorods by surface decoration with Pd nanoparticles. <i>Sensors and Actuators B: Chemical</i> , 2016, 223, 453-460.	4.0	70
22	Nanofibers of conducting polyaniline for aromatic organic compound sensor. <i>Sensors and Actuators B: Chemical</i> , 2009, 143, 132-138.	4.0	69
23	Controllable growth of ZnO nanowires grown on discrete islands of Au catalyst for realization of planar-type micro gas sensors. <i>Sensors and Actuators B: Chemical</i> , 2014, 193, 888-894.	4.0	69
24	Porous single-wall carbon nanotube films formed by in Situ arc-discharge deposition for gas sensors application. <i>Sensors and Actuators B: Chemical</i> , 2009, 135, 656-663.	4.0	68
25	Nanocomposite of cobalt oxide nanocrystals and single-walled carbon nanotubes for a gas sensor application. <i>Sensors and Actuators B: Chemical</i> , 2010, 150, 160-166.	4.0	68
26	Bilayer SnO ₂ /WO ₃ nanofilms for enhanced NH ₃ gas sensing performance. <i>Materials Science and Engineering B: Solid-State Materials for Advanced Technology</i> , 2017, 224, 163-170.	1.7	67
27	Controlled synthesis of ultrathin MoS ₂ nanoflowers for highly enhanced NO ₂ sensing at room temperature. <i>RSC Advances</i> , 2020, 10, 12759-12771.	1.7	67
28	Comparative study on the gas-sensing performance of ZnO/SnO ₂ external and ZnO/SnO ₂ internal heterojunctions for ppb H ₂ S and NO ₂ gases detection. <i>Sensors and Actuators B: Chemical</i> , 2021, 334, 129606.	4.0	65
29	In-situ decoration of Pd nanocrystals on crystalline mesoporous NiO nanosheets for effective hydrogen gas sensors. <i>International Journal of Hydrogen Energy</i> , 2013, 38, 12090-12100.	3.8	61
30	A morphological control of tungsten oxide nanowires by thermal evaporation method for sub-ppm NO ₂ gas sensor application. <i>Sensors and Actuators B: Chemical</i> , 2012, 171-172, 760-768.	4.0	59
31	A comparative study on the electrochemical properties of nanoporous nickel oxide nanowires and nanosheets prepared by a hydrothermal method. <i>RSC Advances</i> , 2018, 8, 19449-19455.	1.7	57
32	C ₂ H ₅ OH and NO ₂ sensing properties of ZnO nanostructures: correlation between crystal size, defect level and sensing performance. <i>RSC Advances</i> , 2018, 8, 5629-5639.	1.7	55
33	Effects of gamma irradiation on hydrogen gas-sensing characteristics of Pd/SnO ₂ thin film sensors. <i>International Journal of Hydrogen Energy</i> , 2015, 40, 12572-12580.	3.8	54
34	High-performance acetone gas sensor based on Pt/Zn ₂ SnO ₄ hollow octahedra for diabetic diagnosis. <i>Journal of Alloys and Compounds</i> , 2021, 886, 161284.	2.8	54
35	Facile synthesis of SnO ₂ /ZnO core-shell nanowires for enhanced ethanol-sensing performance. <i>Current Applied Physics</i> , 2013, 13, 1637-1642.	1.1	53
36	Novel Self-Heated Gas Sensors Using on-Chip Networked Nanowires with Ultralow Power Consumption. <i>ACS Applied Materials & Interfaces</i> , 2017, 9, 6153-6162.	4.0	53

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37	Superior enhancement of NO ₂ gas response using n-p-n transition of carbon nanotubes/SnO ₂ nanowires heterojunctions. <i>Sensors and Actuators B: Chemical</i> , 2017, 238, 1120-1127.	4.0	53
38	Enhanced NH ₃ and H ₂ gas sensing with H ₂ S gas interference using multilayer SnO ₂ /Pt/WO ₃ nanofilms. <i>Journal of Hazardous Materials</i> , 2021, 412, 125181.	6.5	52
39	Comparative study on CO ₂ and CO sensing performance of LaOCl-coated ZnO nanowires. <i>Journal of Hazardous Materials</i> , 2013, 244-245, 209-216.	6.5	51
40	Comparative NO ₂ gas-sensing performance of the self-heated individual, multiple and networked SnO ₂ nanowire sensors fabricated by a simple process. <i>Sensors and Actuators B: Chemical</i> , 2014, 201, 7-12.	4.0	51
41	Effective monitoring and classification of hydrogen and ammonia gases with a bilayer Pt/SnO ₂ thin film sensor. <i>International Journal of Hydrogen Energy</i> , 2020, 45, 2418-2428.	3.8	51
42	Gas nanosensor design packages based on tungsten oxide: mesocages, hollow spheres, and nanowires. <i>Nanotechnology</i> , 2011, 22, 485503.	1.3	50
43	On-chip hydrothermal growth of ZnO nanorods at low temperature for highly selective NO ₂ gas sensor. <i>Materials Letters</i> , 2016, 169, 231-235.	1.3	50
44	VOC gas sensor based on hollow cubic assembled nanocrystal Zn ₂ SnO ₄ for breath analysis. <i>Sensors and Actuators A: Physical</i> , 2020, 302, 111834.	2.0	50
45	Gas sensing materials roadmap. <i>Journal of Physics Condensed Matter</i> , 2021, 33, 303001.	0.7	49
46	An ammonia gas sensor based on non-catalytically synthesized carbon nanotubes on an anodic aluminum oxide template. <i>Sensors and Actuators B: Chemical</i> , 2007, 127, 447-454.	4.0	48
47	Highly sensitive and selective volatile organic compound gas sensors based on mesoporous nanocomposite monoliths. <i>Analytical Methods</i> , 2011, 3, 1948.	1.3	48
48	Giant enhancement of H ₂ S gas response by decorating n-type SnO ₂ nanowires with p-type NiO nanoparticles. <i>Applied Physics Letters</i> , 2012, 101, .	1.5	48
49	Nanoporous and crystal evolution in nickel oxide nanosheets for enhanced gas-sensing performance. <i>Sensors and Actuators B: Chemical</i> , 2018, 273, 784-793.	4.0	47
50	Urea mediated synthesis of Ni(OH) ₂ nanowires and their conversion into NiO nanostructure for hydrogen gas-sensing application. <i>International Journal of Hydrogen Energy</i> , 2018, 43, 9446-9453.	3.8	46
51	Facile synthesis of p-type semiconducting cupric oxide nanowires and their gas-sensing properties. <i>Physica E: Low-Dimensional Systems and Nanostructures</i> , 2009, 42, 146-149.	1.3	45
52	Gas sensor based on nanoporous hematite nanoparticles: Effect of synthesis pathways on morphology and gas sensing properties. <i>Current Applied Physics</i> , 2012, 12, 1355-1360.	1.1	42
53	Room temperature highly toxic NO ₂ gas sensors based on rootstock/scion nanowires of SnO ₂ /ZnO, ZnO/SnO ₂ , SnO ₂ /SnO ₂ and, ZnO/ZnO. <i>Sensors and Actuators B: Chemical</i> , 2021, 348, 130652.	4.0	40
54	Crystalline mesoporous tungsten oxide nanoplate monoliths synthesized by directed soft template method for highly sensitive NO ₂ gas sensor applications. <i>Materials Research Bulletin</i> , 2013, 48, 440-448.	2.7	39

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55	High-performance carbon nanotube hydrogen sensor. <i>Sensors and Actuators B: Chemical</i> , 2010, 149, 184-188.	4.0	38
56	Synthesis of single-crystal SnO ₂ nanowires for NO _x gas sensors application. <i>Ceramics International</i> , 2012, 38, 6557-6563.	2.3	37
57	Synthesis and gas-sensing characteristics of γ -Fe ₂ O ₃ hollow balls. <i>Journal of Science: Advanced Materials and Devices</i> , 2016, 1, 45-50.	1.5	37
58	Self-heated Ag-decorated SnO ₂ nanowires with low power consumption used as a predictive virtual multisensor for H ₂ S-selective sensing. <i>Analytica Chimica Acta</i> , 2019, 1069, 108-116.	2.6	37
59	Scalable Fabrication of High-Performance NO ₂ Gas Sensors Based on Tungsten Oxide Nanowires by On-Chip Growth and RuO ₂ -Functionalization. <i>ACS Applied Materials & Interfaces</i> , 2014, 6, 12022-12030.	4.0	36
60	Effective design and fabrication of low-power-consumption self-heated SnO ₂ nanowire sensors for reducing gases. <i>Sensors and Actuators B: Chemical</i> , 2019, 295, 144-152.	4.0	35
61	Multi gas sensors using one nanomaterial, temperature gradient, and machine learning algorithms for discrimination of gases and their concentration. <i>Analytica Chimica Acta</i> , 2020, 1124, 85-93.	2.6	35
62	Scalable fabrication of SnO ₂ thin films sensitized with CuO islands for enhanced H ₂ S gas sensing performance. <i>Applied Surface Science</i> , 2015, 324, 280-285.	3.1	34
63	Ethanol-Sensing Characteristics of Nanostructured ZnO: Nanorods, Nanowires, and Porous Nanoparticles. <i>Journal of Electronic Materials</i> , 2017, 46, 3406-3411.	1.0	34
64	On-chip growth of patterned ZnO nanorod sensors with PdO decoration for enhancement of hydrogen-sensing performance. <i>International Journal of Hydrogen Energy</i> , 2017, 42, 16294-16304.	3.8	34
65	General and scalable route to synthesize nanowire-structured semiconducting metal oxides for gas-sensor applications. <i>Journal of Alloys and Compounds</i> , 2013, 549, 260-268.	2.8	32
66	Comparative effects of synthesis parameters on the NO ₂ gas-sensing performance of on-chip grown ZnO and Zn ₂ SnO ₄ nanowire sensors. <i>Journal of Alloys and Compounds</i> , 2018, 765, 1237-1242.	2.8	32
67	Significantly enhanced NO ₂ gas-sensing performance of nanojunction-networked SnO ₂ nanowires by pulsed UV-radiation. <i>Sensors and Actuators A: Physical</i> , 2021, 327, 112759.	2.0	31
68	Ultrasensitive NO ₂ gas sensing performance of two dimensional ZnO nanomaterials: Nanosheets and nanoplates. <i>Ceramics International</i> , 2021, 47, 28811-28820.	2.3	31
69	Au doped ZnO/SnO ₂ composite nanofibers for enhanced H ₂ S gas sensing performance. <i>Sensors and Actuators A: Physical</i> , 2021, 317, 112454.	2.0	30
70	Highly selective H ₂ S gas sensor based on WO ₃ -coated SnO ₂ nanowires. <i>Materials Today Communications</i> , 2021, 26, 102094.	0.9	29
71	MoS ₂ nanosheets-decorated SnO ₂ nanofibers for enhanced SO ₂ gas sensing performance and classification of CO, NH ₃ and H ₂ gases. <i>Analytica Chimica Acta</i> , 2021, 1167, 338576.	2.6	29
72	Tin oxide nanotube structures synthesized on a template of single-walled carbon nanotubes. <i>Journal of Crystal Growth</i> , 2009, 311, 657-661.	0.7	28

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73	Enhanced NO ₂ gas-sensing performance at room temperature using exfoliated MoS ₂ nanosheets. <i>Sensors and Actuators A: Physical</i> , 2021, 332, 113137.	2.0	28
74	Micro-wheels composed of self-assembled tungsten oxide nanorods for highly sensitive detection of low level toxic chlorine gas. <i>RSC Advances</i> , 2015, 5, 25204-25207.	1.7	27
75	Ultrasensitive NO ₂ gas sensors using tungsten oxide nanowires with multiple junctions self-assembled on discrete catalyst islands via on-chip fabrication. <i>Sensors and Actuators B: Chemical</i> , 2016, 227, 198-203.	4.0	27
76	SO ₂ and H ₂ S Sensing Properties of Hydrothermally Synthesized CuO Nanoplates. <i>Journal of Electronic Materials</i> , 2018, 47, 7170-7178.	1.0	27
77	Tin Oxide-Carbon Nanotube Composite for NO _x Sensing. <i>Journal of Nanoscience and Nanotechnology</i> , 2012, 12, 1425-1428.	0.9	26
78	Effective hydrogen gas nanosensor based on bead-like nanowires of platinum-decorated tin oxide. <i>Sensors and Actuators B: Chemical</i> , 2012, 173, 211-217.	4.0	26
79	Ultrasensitive NO ₂ gas sensors using hybrid heterojunctions of multi-walled carbon nanotubes and on-chip grown SnO ₂ nanowires. <i>Applied Physics Letters</i> , 2018, 112, .	1.5	26
80	An effective H ₂ S sensor based on SnO ₂ nanowires decorated with NiO nanoparticles by electron beam evaporation. <i>RSC Advances</i> , 2019, 9, 13887-13895.	1.7	26
81	Enhanced H ₂ S gas-sensing performance of Fe ₂ O ₃ nanofibers by optimizing process conditions and loading with reduced graphene oxide. <i>Journal of Alloys and Compounds</i> , 2020, 826, 154169.	2.8	26
82	Topical Developments of Nanoporous Membrane Filters for Ultrafine Noble Metal Nanoparticles. <i>European Journal of Inorganic Chemistry</i> , 2012, 2012, 5439-5450.	1.0	24
83	A novel design and fabrication of self-heated In ₂ O ₃ nanowire gas sensor on glass for ethanol detection. <i>Sensors and Actuators A: Physical</i> , 2022, 345, 113769.	2.0	24
84	On-chip growth of single phase Zn ₂ SnO ₄ nanowires by thermal evaporation method for gas sensor application. <i>Journal of Alloys and Compounds</i> , 2017, 708, 470-475.	2.8	23
85	Ultralow power consumption gas sensor based on a self-heated nanojunction of SnO ₂ nanowires. <i>RSC Advances</i> , 2018, 8, 36323-36330.	1.7	23
86	A comparative study on the VOCs gas sensing properties of Zn ₂ SnO ₄ nanoparticles, hollow cubes, and hollow octahedra towards exhaled breath analysis. <i>Sensors and Actuators B: Chemical</i> , 2021, 343, 130147.	4.0	23
87	Extraordinary H ₂ S gas sensing performance of ZnO/rGO external and internal heterojunctions. <i>Journal of Alloys and Compounds</i> , 2021, 879, 160457.	2.8	23
88	Density-controllable growth of SnO ₂ nanowire junction-bridging across electrode for low-temperature NO ₂ gas detection. <i>Journal of Materials Science</i> , 2013, 48, 7253-7259.	1.7	21
89	Single-crystal zinc oxide nanorods with nanovoids as highly sensitive NO ₂ nanosensors. <i>Materials Letters</i> , 2013, 94, 41-43.	1.3	21
90	A facile synthesis of ruthenium/reduced graphene oxide nanocomposite for effective electrochemical applications. <i>Solar Energy</i> , 2019, 191, 420-426.	2.9	21

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91	Electronic noses based on metal oxide nanowires: A review. <i>Nanotechnology Reviews</i> , 2022, 11, 897-925.	2.6	21
92	Novel synthesis of highly ordered mesoporous Fe ₂ O ₃ /SiO ₂ nanocomposites for a room temperature VOC sensor. <i>Current Applied Physics</i> , 2013, 13, 1581-1588.	1.1	20
93	A high-performance triode-type carbon nanotube field emitter for mass production. <i>Nanotechnology</i> , 2007, 18, 345201.	1.3	18
94	Tin-Oxide Nanotubes for Gas Sensor Application Fabricated Using SWNTs as a Template. <i>Journal of Nanoscience and Nanotechnology</i> , 2008, 8, 5586-5589.	0.9	18
95	Comparison of NO ₂ Gas-Sensing Properties of Three Different ZnO Nanostructures Synthesized by On-Chip Low-Temperature Hydrothermal Growth. <i>Journal of Electronic Materials</i> , 2018, 47, 785-793.	1.0	18
96	New Design of ZnO Nanorod- and Nanowire-Based NO ₂ Room-Temperature Sensors Prepared by Hydrothermal Method. <i>Journal of Nanomaterials</i> , 2019, 2019, 1-9.	1.5	17
97	Dip-coating decoration of Ag ₂ O nanoparticles on SnO ₂ nanowires for high-performance H ₂ S gas sensors. <i>RSC Advances</i> , 2020, 10, 17713-17723.	1.7	17
98	Nanoporous NiO nanosheets-based nanohybrid catalyst for efficient reduction of triiodide ions. <i>Solar Energy</i> , 2020, 197, 546-552.	2.9	17
99	Nanoporous ZnO nanostructure synthesis by a facile method for superior sensitivity ethanol sensor applications. <i>RSC Advances</i> , 2016, 6, 64215-64218.	1.7	16
100	Controlled Growth of Vertically Oriented Trilayer MoS ₂ Nanoflakes for Room-Temperature NO ₂ Gas Sensor Applications. <i>Physica Status Solidi (A) Applications and Materials Science</i> , 2020, 217, 2000004.	0.8	16
101	The use of anodic aluminium oxide templates for triode-type carbon nanotube field emission structures toward mass-production technology. <i>Nanotechnology</i> , 2006, 17, 2156-2160.	1.3	15
102	Full-Layer Controlled Synthesis and Transfer of Large-Scale Monolayer Graphene for Nitrogen Dioxide and Ammonia Sensing. <i>Analytical Letters</i> , 2014, 47, 280-294.	1.0	15
103	Prototype edge-grown nanowire sensor array for the real-time monitoring and classification of multiple gases. <i>Journal of Science: Advanced Materials and Devices</i> , 2020, 5, 409-416.	1.5	15
104	Urea mediated synthesis and acetone-sensing properties of ultrathin porous ZnO nanoplates. <i>Materials Today Communications</i> , 2020, 25, 101445.	0.9	15
105	ZnO coral-like nanoplates decorated with Pd nanoparticles for enhanced VOC gas sensing. <i>Journal of Science: Advanced Materials and Devices</i> , 2021, 6, 453-461.	1.5	15
106	Ammonia-Gas-Sensing Characteristics of WO ₃ /Carbon Nanotubes Nanocomposites: Effect of Nanotube Content and Sensing Mechanism. <i>Science of Advanced Materials</i> , 2016, 8, 524-533.	0.1	15
107	Hollow ZnO nanorices prepared by a simple hydrothermal method for NO ₂ and SO ₂ gas sensors. <i>RSC Advances</i> , 2021, 11, 33613-33625.	1.7	15
108	A comparative study on the NH ₃ gas-sensing properties of ZnO, SnO ₂ and WO ₃ nanowires. <i>International Journal of Nanotechnology</i> , 2011, 8, 174.	0.1	13

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109	Facile Hydrothermal Synthesis of Two-Dimensional Porous ZnO Nanosheets for Highly Sensitive Ethanol Sensor. <i>Journal of Nanomaterials</i> , 2019, 2019, 1-7.	1.5	13
110	Synthesis of MWNTs using Fe-Mo bimetallic catalyst by CVD method for field emission application. <i>Solid State Communications</i> , 2007, 144, 498-502.	0.9	12
111	Nitrogen-Doped Graphene Synthesized from a Single Liquid Precursor for a Field Effect Transistor. <i>Journal of Electronic Materials</i> , 2016, 45, 839-845.	1.0	12
112	CuO Nanofibers Prepared by Electrospinning for Gas Sensing Application: Effect of Copper Salt Concentration. <i>Journal of Nanoscience and Nanotechnology</i> , 2016, 16, 7910-7918.	0.9	11
113	Design and fabrication of effective gradient temperature sensor array based on bilayer SnO ₂ /Pt for gas classification. <i>Sensors and Actuators B: Chemical</i> , 2022, 351, 130979.	4.0	11
114	3D micro-combs self-assembled from 2D N-doped In ₂ S ₃ for room-temperature reversible NO ₂ gas sensing. <i>Applied Materials Today</i> , 2022, 26, 101355.	2.3	11
115	Growth of multiwalled carbon nanotubes from acetylene over in situ formed Co nanoparticles on MgO support. <i>Solid State Communications</i> , 2006, 139, 102-107.	0.9	10
116	Facile synthesis of single-crystal nanoporous Ni-NiS nanosheets from Ni(OH) ₂ counterpart. <i>Materials Letters</i> , 2015, 161, 282-285.	1.3	10
117	Transition metal oxides as Pt-free counter electrodes for liquid-junction photovoltaic devices. <i>Vietnam Journal of Chemistry</i> , 2019, 57, 784-791.	0.7	9
118	Realization of a portable H ₂ S sensing instrument based on SnO ₂ nanowires. <i>Journal of Science: Advanced Materials and Devices</i> , 2020, 5, 40-47.	1.5	9
119	Single crystal cupric oxide nanowires: Length- and density-controlled growth and gas-sensing characteristics. <i>Physica E: Low-Dimensional Systems and Nanostructures</i> , 2014, 58, 16-23.	1.3	8
120	Facile Synthesis of Pd-CuO Nanoplates with Enhanced SO ₂ and H ₂ Gas-Sensing Characteristics. <i>Journal of Electronic Materials</i> , 2021, 50, 2767-2778.	1.0	8
121	Single-Walled Carbon Nanotube Thin Film Gas Sensors Controlled by Diffusion. <i>Journal of Nanoscience and Nanotechnology</i> , 2011, 11, 1601-1604.	0.9	7
122	Tungsten Oxide Urchin-Flowers and Nanobundles: Effect of Synthesis Conditions and Heat Treatment on Assembly and Gas-Sensing Characteristics. <i>Science of Advanced Materials</i> , 2014, 6, 1081-1090.	0.1	6
123	Transparent Field Emission Device from a Spray Coating of Single-Wall Carbon Nanotubes. <i>Journal of the Electrochemical Society</i> , 2010, 157, J371.	1.3	4
124	SWNT-SOG composite for transparent field emission device. <i>Journal of Crystal Growth</i> , 2009, 311, 662-665.	0.7	2
125	Synthesis of CuO/rGO nanocomposites for carcinogenic Congo red photodegradation. <i>Advances in Natural Sciences: Nanoscience and Nanotechnology</i> , 2021, 12, 045014.	0.7	2
126	Preparation and Gas Sensing Properties of rGO/CuO Nanocomposites. <i>ECS Journal of Solid State Science and Technology</i> , 2022, 11, 035009.	0.9	1

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127	Carbon Nanotube Gas Sensor Fabricated on Anodic Aluminum Oxide. Solid State Phenomena, 2007, 124-126, 1309-1312.	0.3	0