Nguyen Van Hieu

List of Publications by Year
in descending order

138	6,277	44042	88593
papers	citations	48 h-index	70 g-index

138	138	138	6000
all docs	docs citations	times ranked	citing authors

#	Article	IF	Citations
1	Highly sensitive thin film NH3 gas sensor operating at room temperature based on SnO2/MWCNTs composite. Sensors and Actuators B: Chemical, 2008, 129, 888-895.	4.0	204
2	Design of SnO2/ZnO hierarchical nanostructures for enhanced ethanol gas-sensing performance. Sensors and Actuators B: Chemical, 2012, 174, 594-601.	4.0	174
3	Comparative study of gas sensor performance of SnO2 nanowires and their hierarchical nanostructures. Sensors and Actuators B: Chemical, 2010, 150, 112-119.	4.0	135
4	Preparing large-scale WO3 nanowire-like structure for high sensitivity NH3 gas sensor through a simple route. Current Applied Physics, 2011, 11, 657-661.	1.1	135
5	Enhanced performance of SnO2 nanowires ethanol sensor by functionalizing with La2O3. Sensors and Actuators B: Chemical, 2008, 133, 228-234.	4.0	128
6	Effective decoration of Pd nanoparticles on the surface of SnO2 nanowires for enhancement of CO gas-sensing performance. Journal of Hazardous Materials, 2014, 265, 124-132.	6.5	125
7	Fe2O3 nanoporous network fabricated from Fe3O4/reduced graphene oxide for high-performance ethanol gas sensor. Sensors and Actuators B: Chemical, 2018, 255, 3275-3283.	4.0	120
8	DNA sensor development based on multi-wall carbon nanotubes for label-free influenza virus (type A) detection. Journal of Immunological Methods, 2009, 350, 118-124.	0.6	119
9	Fabrication of highly sensitive and selective H2 gas sensor based on SnO2 thin film sensitized with microsized Pd islands. Journal of Hazardous Materials, 2016, 301, 433-442.	6.5	119
10	Chlorine Gas Sensing Performance of On-Chip Grown ZnO, WO₃, and SnO₂ Nanowire Sensors. ACS Applied Materials & Interfaces, 2016, 8, 4828-4837.	4.0	116
11	Gas-sensing properties of tin oxide doped with metal oxides and carbon nanotubes: A competitive sensor for ethanol and liquid petroleum gas. Sensors and Actuators B: Chemical, 2010, 144, 450-456.	4.0	110
12	Synthesis of oleic acid-stabilized silver nanoparticles and analysis of their antibacterial activity. Materials Science and Engineering C, 2010, 30, 910-916.	3.8	103
13	On-chip fabrication of SnO2-nanowire gas sensor: The effect of growth time on sensor performance. Sensors and Actuators B: Chemical, 2010, 146, 361-367.	4.0	102
14	Thin film polypyrrole/SWCNTs nanocomposites-based NH3 sensor operated at room temperature. Sensors and Actuators B: Chemical, 2009, 140, 500-507.	4.0	99
15	One-step fabrication of SnO2 porous nanofiber gas sensors for sub-ppm H2S detection. Sensors and Actuators A: Physical, 2020, 303, 111722.	2.0	98
16	Outstanding gas-sensing performance of graphene/SnO2 nanowire Schottky junctions. Applied Physics Letters, 2014, 105, .	1.5	93
17	Facile on-chip electrospinning of ZnFe2O4 nanofiber sensors with excellent sensing performance to H2S down ppb level. Journal of Hazardous Materials, 2018, 360, 6-16.	6.5	87
18	On-chip growth of semiconductor metal oxide nanowires for gas sensors: A review. Journal of Science: Advanced Materials and Devices, 2017, 2, 263-285.	1.5	84

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19	Facile synthesis of Î±-Fe 2 O 3 nanoparticles for high-performance CO gas sensor. Materials Research Bulletin, 2015, 68, 302-307.	2.7	80
20	Facile synthesis of ultrafine rGO/WO3 nanowire nanocomposites for highly sensitive toxic NH3 gas sensors. Materials Research Bulletin, 2020, 125, 110810.	2.7	80
21	Selective detection of carbon dioxide using LaOCl-functionalized SnO2 nanowires for air-quality monitoring. Talanta, 2012, 88, 152-159.	2.9	77
22	Electrochemical detection of short HIV sequences on chitosan/Fe3O4 nanoparticle based screen printed electrodes. Materials Science and Engineering C, 2011, 31, 477-485.	3.8	76
23	Elaboration of Pd-nanoparticle decorated polyaniline films for room temperature NH3 gas sensors. Sensors and Actuators B: Chemical, 2017, 249, 348-356.	4.0	75
24	Excellent detection of H2S gas at ppb concentrations using ZnFe2O4 nanofibers loaded with reduced graphene oxide. Sensors and Actuators B: Chemical, 2019, 282, 876-884.	4.0	75
25	Gas sensing properties at room temperature of a quartz crystal microbalance coated with ZnO nanorods. Sensors and Actuators B: Chemical, 2011, 153, 188-193.	4.0	74
26	On-chip growth of wafer-scale planar-type ZnO nanorod sensors for effective detection of CO gas. Sensors and Actuators B: Chemical, 2013, 181, 529-536.	4.0	74
27	Synthesis, characterization, and comparative gas-sensing properties of Fe2O3 prepared from Fe3O4 and Fe3O4-chitosan. Journal of Alloys and Compounds, 2012, 523, 120-126.	2.8	72
28	Meso-/Nanoporous Semiconducting Metal Oxides for Gas Sensor Applications. Journal of Nanomaterials, 2015, 2015, 1-14.	1.5	71
29	Diameter controlled synthesis of tungsten oxide nanorod bundles for highly sensitive NO2 gas sensors. Sensors and Actuators B: Chemical, 2013, 183, 372-380.	4.0	70
30	Enhancement of gas-sensing characteristics of hydrothermally synthesized WO3 nanorods by surface decoration with Pd nanoparticles. Sensors and Actuators B: Chemical, 2016, 223, 453-460.	4.0	70
31	Controllable growth of ZnO nanowires grown on discrete islands of Au catalyst for realization of planar-type micro gas sensors. Sensors and Actuators B: Chemical, 2014, 193, 888-894.	4.0	69
32	Mixed SnO2/TiO2 included with carbon nanotubes for gas-sensing application. Physica E: Low-Dimensional Systems and Nanostructures, 2008, 41, 258-263.	1.3	67
33	Bilayer SnO2â€“WO3 nanofilms for enhanced NH3 gas sensing performance. Materials Science and Engineering B: Solid-State Materials for Advanced Technology, 2017, 224, 163-170.	1.7	67
34	Controlled synthesis of ultrathin MoS₂nanoflowers for highly enhanced NO₂sensing at room temperature. RSC Advances, 2020, 10, 12759-12771.	1.7	67
35	Comparative study on the gas-sensing performance of ZnO/SnO2 external and ZnOâ€“SnO2 internal heterojunctions for ppb H2S and NO2 gases detection. Sensors and Actuators B: Chemical, 2021, 334, 129606.	4.0	65
36	In-situ decoration of Pd nanocrystals on crystalline mesoporous NiO nanosheets for effective hydrogen gas sensors. International Journal of Hydrogen Energy, 2013, 38, 12090-12100.	3.8	61

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37	Electrochemical synthesis of polyaniline nanowires on Pt interdigitated microelectrode for room temperature NH3 gas sensor application. Current Applied Physics, 2012, 12, 1011-1016.	1.1	60
38	A morphological control of tungsten oxide nanowires by thermal evaporation method for sub-ppm NO2 gas sensor application. Sensors and Actuators B: Chemical, 2012, 171-172, 760-768.	4.0	59
39	A comparative study on the electrochemical properties of nanoporous nickel oxide nanowires and nanosheets prepared by a hydrothermal method. RSC Advances, 2018, 8, 19449-19455.	1.7	57
40	C₂H₅OH and NO₂ sensing properties of ZnO nanostructures: correlation between crystal size, defect level and sensing performance. RSC Advances, 2018, 8, 5629-5639.	1.7	55
41	Effects of gamma irradiation on hydrogen gas-sensing characteristics of Pdâ€“SnO2 thin filmÂsensors. International Journal of Hydrogen Energy, 2015, 40, 12572-12580.	3.8	54
42	Selective discrimination of hazardous gases using one single metal oxide resistive sensor. Sensors and Actuators B: Chemical, 2018, 277, 121-128.	4.0	54
43	Facile synthesis of SnO2â€“ZnO coreâ€“shell nanowires for enhanced ethanol-sensing performance. Current Applied Physics, 2013, 13, 1637-1642.	1.1	53
44	Novel Self-Heated Gas Sensors Using on-Chip Networked Nanowires with Ultralow Power Consumption. ACS Applied Materials & Interfaces, 2017, 9, 6153-6162.	4.0	53
45	Superior enhancement of NO2 gas response using n-p-n transition of carbon nanotubes/SnO2 nanowires heterojunctions. Sensors and Actuators B: Chemical, 2017, 238, 1120-1127.	4.0	53
46	Simple post-synthesis of mesoporous p-type Co3O4 nanochains for enhanced H2S gas sensing performance. Sensors and Actuators B: Chemical, 2018, 270, 158-166.	4.0	53
47	Enhanced NH3 and H2 gas sensing with H2S gas interference using multilayer SnO2/Pt/WO3 nanofilms. Journal of Hazardous Materials, 2021, 412, 125181.	6.5	52
48	Comparative study on CO2 and CO sensing performance of LaOCl-coated ZnO nanowires. Journal of Hazardous Materials, 2013, 244-245, 209-216.	6.5	51
49	Comparative NO2 gas-sensing performance of the self-heated individual, multiple and networked SnO2 nanowire sensors fabricated by a simple process. Sensors and Actuators B: Chemical, 2014, 201, 7-12.	4.0	51
50	Effective monitoring and classification of hydrogen and ammonia gases with a bilayer Pt/SnO2 thin film sensor. International Journal of Hydrogen Energy, 2020, 45, 2418-2428.	3.8	51
51	On-chip hydrothermal growth of ZnO nanorods at low temperature for highly selective NO2 gas sensor. Materials Letters, 2016, 169, 231-235.	1.3	50
52	VOC gas sensor based on hollow cubic assembled nanocrystal Zn2SnO4 for breath analysis. Sensors and Actuators A: Physical, 2020, 302, 111834.	2.0	50
53	Giant enhancement of H2S gas response by decorating n-type SnO2 nanowires with p-type NiO nanoparticles. Applied Physics Letters, 2012, 101, .	1.5	48
54	Nanoporous and crystal evolution in nickel oxide nanosheets for enhanced gas-sensing performance. Sensors and Actuators B: Chemical, 2018, 273, 784-793.	4.0	47

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55	Urea mediated synthesis of Ni(OH) 2 nanowires and their conversion into NiO nanostructure for hydrogen gas-sensing application. International Journal of Hydrogen Energy, 2018, 43, 9446-9453.	3.8	46
56	Facile synthesis of p-type semiconducting cupric oxide nanowires and their gas-sensing properties. Physica E: Low-Dimensional Systems and Nanostructures, 2009, 42, 146-149.	1.3	45
57	Gas sensor based on nanoporous hematite nanoparticles: Effect of synthesis pathways on morphology and gas sensing properties. Current Applied Physics, 2012, 12, 1355-1360.	1.1	42
58	Controlled synthesis of manganese tungstate nanorods for highly selective NH3 gas sensor. Journal of Alloys and Compounds, 2018, 735, 787-794.	2.8	41
59	Facile post-synthesis and gas sensing properties of highly porous NiO microspheres. Sensors and Actuators A: Physical, 2019, 296, 110-120.	2.0	40
60	Room temperature highly toxic NO2 gas sensors based on rootstock/scion nanowires of SnO2/ZnO, ZnO/SnO2, SnO2/SnO2 and, ZnO/ZnO. Sensors and Actuators B: Chemical, 2021, 348, 130652.	4.0	40
61	Crystalline mesoporous tungsten oxide nanoplate monoliths synthesized by directed soft template method for highly sensitive NO2 gas sensor applications. Materials Research Bulletin, 2013, 48, 440-448.	2.7	39
62	Synthesis of single-crystal SnO2 nanowires for NOx gas sensors application. Ceramics International, 2012, 38, 6557-6563.	2.3	37
63	Synthesis and gas-sensing characteristics of Î±-Fe2O3 hollow balls. Journal of Science: Advanced Materials and Devices, 2016, 1, 45-50.	1.5	37
64	Self-heated Ag-decorated SnO2 nanowires with low power consumption used as a predictive virtual multisensor for H2S-selective sensing. Analytica Chimica Acta, 2019, 1069, 108-116.	2.6	37
65	Magnetic iron oxide nanoparticles decorated graphene for chemoresistive gas sensing: The particle size effects. Journal of Colloid and Interface Science, 2019, 539, 315-325.	5.0	37
66	Low-temperature growth and ethanol-sensing characteristics of quasi-one-dimensional ZnO nanostructures. Physica B: Condensed Matter, 2008, 403, 50-56.	1.3	36
67	Scalable Fabrication of High-Performance NO₂ Gas Sensors Based on Tungsten Oxide Nanowires by On-Chip Growth and RuO₂-Functionalization. ACS Applied Materials & Interfaces, 2014, 6, 12022-12030.	4.0	36
68	A facile thermal evaporation route for large-area synthesis of tin oxide nanowires: Characterizations and their use for liquid petroleum gas sensor. Current Applied Physics, 2010, 10, 636-641.	1.1	35
69	Conducting polymer film-based immunosensors using carbon nanotube/antibodies doped polypyrrole. Applied Surface Science, 2011, 257, 9817-9824.	3.1	35
70	Effective design and fabrication of low-power-consumption self-heated SnO2 nanowire sensors for reducing gases. Sensors and Actuators B: Chemical, 2019, 295, 144-152.	4.0	35
71	Inclusion of SWCNTs in Nb/Pt co-doped TiO2 thin-film sensor for ethanol vapor detection. Physica E: Low-Dimensional Systems and Nanostructures, 2008, 40, 2950-2958.	1.3	34
72	Scalable fabrication of SnO2 thin films sensitized with CuO islands for enhanced H2S gas sensing performance. Applied Surface Science, 2015, 324, 280-285.	3.1	34

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73	On-chip growth of patterned ZnO nanorod sensors with PdO decoration for enhancement of hydrogen-sensing performance. International Journal of Hydrogen Energy, 2017, 42, 16294-16304.	3.8	34
74	General and scalable route to synthesize nanowire-structured semiconducting metal oxides for gas-sensor applications. Journal of Alloys and Compounds, 2013, 549, 260-268.	2.8	32
75	Comparative effects of synthesis parameters on the NO2 gas-sensing performance of on-chip grown ZnO and Zn2SnO4 nanowire sensors. Journal of Alloys and Compounds, 2018, 765, 1237-1242.	2.8	32
76	Significantly enhanced NO2 gas-sensing performance of nanojunction-networked SnO2 nanowires by pulsed UV-radiation. Sensors and Actuators A: Physical, 2021, 327, 112759.	2.0	31
77	Au doped ZnO/SnO2 composite nanofibers for enhanced H2S gas sensing performance. Sensors and Actuators A: Physical, 2021, 317, 112454.	2.0	30
78	Highly reproducible synthesis of very large-scale tin oxide nanowires used for screen-printed gas sensor. Sensors and Actuators B: Chemical, 2010, 144, 425-431.	4.0	29
79	Shape and size controlled synthesis of Au nanorods: H 2 S gas-sensing characterizations and antibacterial application. Journal of Alloys and Compounds, 2015, 635, 265-271.	2.8	29
80	Highly selective H2S gas sensor based on WO3-coated SnO2 nanowires. Materials Today Communications, 2021, 26, 102094.	0.9	29
81	MoS2 nanosheets-decorated SnO2 nanofibers for enhanced SO2 gas sensing performance and classification of CO, NH3 and H2 gases. Analytica Chimica Acta, 2021, 1167, 338576.	2.6	29
82	Enhanced NO2 gas-sensing performance at room temperature using exfoliated MoS2 nanosheets. Sensors and Actuators A: Physical, 2021, 332, 113137.	2.0	28
83	Facile preparation of a DNA sensor for rapid herpes virus detection. Materials Science and Engineering C, 2010, 30, 1145-1150.	3.8	27
84	Detection of pathogenic microorganisms using biosensor based on multi-walled carbon nanotubes dispersed in DNA solution. Current Applied Physics, 2012, 12, 1553-1560.	1.1	27
85	Micro-wheels composed of self-assembled tungsten oxide nanorods for highly sensitive detection of low level toxic chlorine gas. RSC Advances, 2015, 5, 25204-25207.	1.7	27
86	Ultrasensitive NO2 gas sensors using tungsten oxide nanowires with multiple junctions self-assembled on discrete catalyst islands via on-chip fabrication. Sensors and Actuators B: Chemical, 2016, 227, 198-203.	4.0	27
87	SO2 and H2S Sensing Properties of Hydrothermally Synthesized CuO Nanoplates. Journal of Electronic Materials, 2018, 47, 7170-7178.	1.0	27
88	Novel silver nanoparticles: synthesis, properties and applications. International Journal of Nanotechnology, 2011, 8, 278.	0.1	26
89	Effective hydrogen gas nanosensor based on bead-like nanowires of platinum-decorated tin oxide. Sensors and Actuators B: Chemical, 2012, 173, 211-217.	4.0	26
90	Polyaniline Nanowires-Based Electrochemical Immunosensor for Label Free Detection of Japanese Encephalitis Virus. Analytical Letters, 2013, 46, 1229-1240.	1.0	26

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91	Ultrasensitive NO2 gas sensors using hybrid heterojunctions of multi-walled carbon nanotubes and on-chip grown SnO2 nanowires. Applied Physics Letters, 2018, 112, .	1.5	26
92	An effective H₂S sensor based on SnO₂ nanowires decorated with NiO nanoparticles by electron beam evaporation. RSC Advances, 2019, 9, 13887-13895.	1.7	26
93	Enhanced H2S gas-sensing performance of Î±-Fe2O3 nanofibers by optimizing process conditions and loading with reduced graphene oxide. Journal of Alloys and Compounds, 2020, 826, 154169.	2.8	26
94	A novel design and fabrication of self-heated In2O3 nanowire gas sensor on glass for ethanol detection. Sensors and Actuators A: Physical, 2022, 345, 113769.	2.0	24
95	Unique Magnetic Properties of NdRhIn5, TbRhIn5, DyRhIn5, and HoRhIn5. Journal of the Physical Society of Japan, 2006, 75, 074708.	0.7	23
96	On-chip growth of single phase Zn2SnO4 nanowires by thermal evaporation method for gas sensor application. Journal of Alloys and Compounds, 2017, 708, 470-475.	2.8	23
97	Ultralow power consumption gas sensor based on a self-heated nanojunction of SnO₂ nanowires. RSC Advances, 2018, 8, 36323-36330.	1.7	23
98	Extraordinary H2S gas sensing performance of ZnO/rGO external and internal heterojunctions. Journal of Alloys and Compounds, 2021, 879, 160457.	2.8	23
99	Density-controllable growth of SnO2 nanowire junction-bridging across electrode for low-temperature NO2 gas detection. Journal of Materials Science, 2013, 48, 7253-7259.	1.7	21
100	Single-crystal zinc oxide nanorods with nanovoids as highly sensitive NO2 nanosensors. Materials Letters, 2013, 94, 41-43.	1.3	21
101	Nanoporous hematite nanoparticles: Synthesis and applications for benzylation of benzene and aromatic compounds. Journal of Alloys and Compounds, 2014, 582, 83-87.	2.8	21
102	A facile synthesis of ruthenium/reduced graphene oxide nanocomposite for effective electrochemical applications. Solar Energy, 2019, 191, 420-426.	2.9	21
103	Konjac glucomannan-templated synthesis of three-dimensional NiO nanostructures assembled from porous NiO nanoplates for gas sensors. RSC Advances, 2019, 9, 9584-9593.	1.7	21
104	Facile preparation of large-scale Î±-Fe2O3 nanorod/SnO2 nanorod composites and their LPG-sensing properties. Journal of Alloys and Compounds, 2014, 599, 195-201.	2.8	19
105	Synthesis, characterization, and comparative gas sensing properties of tin dioxide nanoflowers and porous nanospheres. Ceramics International, 2015, 41, 14819-14825.	2.3	19
106	Comparison of NO2 Gas-Sensing Properties of Three Different ZnO Nanostructures Synthesized by On-Chip Low-Temperature Hydrothermal Growth. Journal of Electronic Materials, 2018, 47, 785-793.	1.0	18
107	Impact parameters on hybridization process in detecting influenza virus (type A) using conductimetric-based DNA sensor. Physica E: Low-Dimensional Systems and Nanostructures, 2009, 41, 1567-1571.	1.3	17
108	Isotropic metamaterial absorber using cut-wire-pair structures. Applied Physics Express, 2015, 8, 032001.	1.1	17

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109	New Design of ZnO Nanorod- and Nanowire-Based NO₂ Room-Temperature Sensors Prepared by Hydrothermal Method. Journal of Nanomaterials, 2019, 2019, 1-9.	1.5	17
110	Dip-coating decoration of Ag₂O nanoparticles on SnO₂ nanowires for high-performance H₂S gas sensors. RSC Advances, 2020, 10, 17713-17723.	1.7	17
111	Nanoporous NiO nanosheets-based nanohybrid catalyst for efficient reduction of triiodide ions. Solar Energy, 2020, 197, 546-552.	2.9	17
112	Controlled Growth of Vertically Oriented Trilayer MoS₂ Nanoflakes for Roomâ€Temperature NO₂ Gas Sensor Applications. Physica Status Solidi (A) Applications and Materials Science, 2020, 217, 2000004.	0.8	16
113	The quantum acoustomagnetoelectric field in a quantum well with a parabolic potential. Superlattices and Microstructures, 2012, 52, 921-930.	1.4	15
114	Full-Layer Controlled Synthesis and Transfer of Large-Scale Monolayer Graphene for Nitrogen Dioxide and Ammonia Sensing. Analytical Letters, 2014, 47, 280-294.	1.0	15
115	Prototype edge-grown nanowire sensor array for the real-time monitoring and classification of multiple gases. Journal of Science: Advanced Materials and Devices, 2020, 5, 409-416.	1.5	15
116	Ammonia-Gas-Sensing Characteristics of WO₃/Carbon Nanotubes Nanocomposites: Effect of Nanotube Content and Sensing Mechanism. Science of Advanced Materials, 2016, 8, 524-533.	0.1	15
117	Fermi Surface and Magnetic Properties of PrTIn5 (T: Co, Rh, and Ir). Journal of the Physical Society of Japan, 2005, 74, 3320-3328.	0.7	13
118	A comparative study on the NH<SUB align=right>3 gas-sensing properties of ZnO, SnO<SUB align=right>2, and WO<SUB align=right>3 nanowires. International Journal of Nanotechnology, 2011, 8, 174.	0.1	13
119	Facile Hydrothermal Synthesis of Two-Dimensional Porous ZnO Nanosheets for Highly Sensitive Ethanol Sensor. Journal of Nanomaterials, 2019, 2019, 1-7.	1.5	13
120	Nitrogen-Doped Graphene Synthesized from a Single Liquid Precursor for a Field Effect Transistor. Journal of Electronic Materials, 2016, 45, 839-845.	1.0	12
121	CuO Nanofibers Prepared by Electrospinning for Gas Sensing Application: Effect of Copper Salt Concentration. Journal of Nanoscience and Nanotechnology, 2016, 16, 7910-7918.	0.9	11
122	Design and fabrication of effective gradient temperature sensor array based on bilayer SnO2/Pt for gas classification. Sensors and Actuators B: Chemical, 2022, 351, 130979.	4.0	11
123	Superior detection and classification of ethanol and acetone using 3D ultra-porous Î³-Fe2O3 nanocubes-based sensor. Sensors and Actuators B: Chemical, 2022, 362, 131737.	4.0	11
124	Facile synthesis of single-crystal nanoporous Î±-NiS nanosheets from Ni(OH)2 counterpart. Materials Letters, 2015, 161, 282-285.	1.3	10
125	Transition metal oxides as Pt-free counter electrodes for liquid-junction photovoltaic devices. Vietnam Journal of Chemistry, 2019, 57, 784-791.	0.7	9
126	Realization of a portable H2S sensing instrument based on SnO2 nanowires. Journal of Science: Advanced Materials and Devices, 2020, 5, 40-47.	1.5	9

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127	The quantum acoustoelectric current in a doped superlattice GaAs:Si/GaAs:Be. Superlattices and Microstructures, 2013, 63, 121-130.	1.4	8
128	Single crystal cupric oxide nanowires: Length- and density-controlled growth and gas-sensing characteristics. Physica E: Low-Dimensional Systems and Nanostructures, 2014, 58, 16-23.	1.3	8
129	Investigation of zinc electronucleation and growth mechanisms onto platinum electrode from a deep eutectic solvent for gas sensing applications. Journal of Applied Electrochemistry, 2022, 52, 299-309.	1.5	8
130	Taming electromagnetic metamaterials for isotropic perfect absorbers. AIP Advances, 2015, 5, .	0.6	7
131	Mesoporous Cobalt Tungsten Oxide Heterostructured Nanotoroids for Gas Sensing. Advanced Materials Interfaces, 2018, 5, 1800269.	1.9	6
132	Tungsten Oxide Urchin-Flowers and Nanobundles: Effect of Synthesis Conditions and Heat Treatment on Assembly and Gas-Sensing Characteristics. Science of Advanced Materials, 2014, 6, 1081-1090.	0.1	6
133	The Dependence of a Quantum Acoustoelectric Current on Some Qualities in a Cylindrical Quantum Wire with an Infinite Potential GaAs/GaAsAl. Materials Transactions, 2015, 56, 1408-1411.	0.4	5
134	Low-operating temperature and remarkably responsive methanol sensors using Pt-decorated hierarchical ZnO structure. Nanotechnology, 2022, 33, 065502.	1.3	3
135	Systematic Study of the 4f Electronic State in RRhIn5 and RCu2Si2 (R: Rare Earth). E-Journal of Surface Science and Nanotechnology, 2011, 9, 446-453.	0.1	1
136	Synthesis and Gas Sensing Properties of SnO₂ Nanostructures by Thermal Evaporation. Advanced Materials Research, 0, 620, 350-355.	0.3	1
137	Novel portable electrical detection system for DNA SENSOR application. Journal of Experimental Nanoscience, 2014, 9, 652-660.	1.3	1
138	Facile and Scalable Fabrication of Highly Porous Co3O4 and Î±-Fe2O3 Nanosheets and Their Catalytic Properties. Journal of Electronic Materials, 2019, 48, 7897-7905.	1.0	1