

Dojin Kim

List of Publications by Year in descending order

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205
papers

5,991
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61984

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docs citations

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times ranked

7025
citing authors

#	ARTICLE	IF	CITATIONS
1	Optimization of photogenerated charge transport using type-II heterojunction structure of CoP/BiVO ₄ /WO ₃ for high efficient solar-driver water splitting. <i>Journal of Alloys and Compounds</i> , 2022, 899, 163292.	5.5	29
2	Multifunctional α -Harvested Afterglow Nanosensor for Molecular Imaging of Acute Kidney Injury In Vivo. <i>Small</i> , 2022, 18, e2200245.	10.0	17
3	Rational construction of S-doped FeOOH onto Fe ₂ O ₃ nanorods for enhanced water oxidation. <i>Journal of Colloid and Interface Science</i> , 2022, 616, 749-758.	9.4	35
4	Optimization of FeNi/SWCNT composites by a simple co-arc discharge process to improve microwave absorption performance. <i>Journal of Alloys and Compounds</i> , 2021, 852, 156712.	5.5	36
5	pn-Heterojunction of the SWCNT/ZnO nanocomposite for temperature dependent reaction with hydrogen. <i>Journal of Colloid and Interface Science</i> , 2021, 584, 582-591.	9.4	11
6	Anion exchange and successive ionic layer adsorption and reaction-assisted coating of BiVO ₄ with Bi ₂ S ₃ to produce nanostructured photoanode for enhanced photoelectrochemical water splitting. <i>Journal of Colloid and Interface Science</i> , 2021, 585, 72-84.	9.4	44
7	Hole-supply-rate-controlled methanol-gas-sensing reaction over p-type Co ₃ O ₄ /single-walled carbon nanotube hybrid structures. <i>Sensors and Actuators B: Chemical</i> , 2021, 326, 128956.	7.8	25
8	Effect of SILAR-anchored ZnFe ₂ O ₄ on the BiVO ₄ nanostructure: An attempt towards enhancing photoelectrochemical water splitting. <i>Applied Surface Science</i> , 2021, 546, 149033.	6.1	39
9	Nanostructured β -Bi ₂ O ₃ /PbS heterojunction as np-junction photoanode for enhanced photoelectrochemical performance. <i>Journal of Alloys and Compounds</i> , 2021, 870, 159545.	5.5	22
10	Fluorine-surface-modified tin-doped hematite nanorod array photoelectrodes with enhanced water oxidation activity. <i>Applied Surface Science</i> , 2021, 558, 149898.	6.1	16
11	Fe ₂ O ₃ hierarchical tubular structure decorated with cobalt phosphide (CoP) nanoparticles for efficient photoelectrochemical water splitting. <i>Chemical Engineering Journal</i> , 2021, 417, 129278.	12.7	41
12	Three-dimensional nanoporous SnO ₂ /CdS heterojunction for high-performance photoelectrochemical water splitting. <i>Applied Surface Science</i> , 2021, 560, 149904.	6.1	19
13	Deposition of zinc cobaltite nanoparticles onto bismuth vanadate for enhanced photoelectrochemical water splitting. <i>Journal of Colloid and Interface Science</i> , 2021, 599, 453-466.	9.4	32
14	Photoechnogenic Inflatable Nanohybrids for Upconversion-Mediated Sonotheranostics. <i>ACS Nano</i> , 2021, 15, 18394-18402.	14.6	8
15	Efficient photo charge transfer of Al-doped ZnO inverse opal shells in SnS ₂ photoanodes prepared by atomic layer deposition. <i>Journal of Alloys and Compounds</i> , 2020, 819, 153349.	5.5	21
16	Co ₃ O ₄ /reduced graphene oxide/BiVO ₄ nanorod as high performance photoanode for water oxidation. <i>Electrochimica Acta</i> , 2020, 364, 137283.	5.2	26
17	Defect-Induced Gas-Sensing Properties of a Flexible SnS Sensor under UV Illumination at Room Temperature. <i>Sensors</i> , 2020, 20, 5701.	3.8	13
18	Carbon nanotube-metal oxide nanocomposite gas sensing mechanism assessed via NO ₂ adsorption on n-WO ₃ /p-MWCNT nanocomposites. <i>Ceramics International</i> , 2020, 46, 29233-29243.	4.8	33

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19	ZnTe-coated ZnO nanorods: Hydrogen sulfide nano-sensor purely controlled by pn junction. <i>Materials and Design</i> , 2020, 191, 108628.	7.0	25
20	NO _x gas sensors based on layer-transferred n-MoS ₂ /p-GaN heterojunction at room temperature: Study of UV light illuminations and humidity. <i>Sensors and Actuators B: Chemical</i> , 2020, 308, 127700.	7.8	87
21	Rb ₂ CO ₃ -decorated In ₂ O ₃ nanoparticles for the room-temperature detection of sub-ppm level NO ₂ . <i>Sensors and Actuators B: Chemical</i> , 2020, 313, 128001.	7.8	36
22	Optimization strategy for CdSe@CdS core-shell nanorod structures toward high performance water splitting photoelectrodes. <i>Materials Research Bulletin</i> , 2020, 129, 110914.	5.2	22
23	Conformal growth of few-layer MoS ₂ flakes on closely-packed TiO ₂ nanowires and their enhanced photoelectrochemical reactivity. <i>Journal of Alloys and Compounds</i> , 2019, 770, 686-691.	5.5	24
24	Dual-color fluorescent nanoparticles showing perfect color-specific photoswitching for bioimaging and super-resolution microscopy. <i>Nature Communications</i> , 2019, 10, 3089.	12.8	85
25	Mechanistic Insight into Surface Defect Control in Perovskite Nanocrystals: Ligands Terminate the Valence Transition from Pb ²⁺ to Metallic Pb ⁰ . <i>Journal of Physical Chemistry Letters</i> , 2019, 10, 4222-4228.	4.6	51
26	Enhancement in Photoelectrochemical Performance of Optimized Amorphous SnS ₂ Thin Film Fabricated through Atomic Layer Deposition. <i>Nanomaterials</i> , 2019, 9, 1083.	4.1	17
27	Sn Doping into Hematite Nanorods for High-Performance Photoelectrochemical Water Splitting. <i>Journal of the Electrochemical Society</i> , 2019, 166, H743-H749.	2.9	14
28	A Separated Receptor/Transducer Scheme as Strategy to Enhance the Gas Sensing Performance Using Hematite-Carbon Nanotube Composite. <i>Sensors</i> , 2019, 19, 3915.	3.8	12
29	Incorporation of an Au-rGO Layer to Enhance the Photocatalytic Application of Optimized CdS Thin Film. <i>Journal of the Electrochemical Society</i> , 2019, 166, H3112-H3118.	2.9	13
30	Solution-shearing-processed flexible polymer solar mini sub-modules fabricated on an embedded silver-grid substrate. <i>Solar Energy Materials and Solar Cells</i> , 2019, 193, 169-177.	6.2	5
31	A novel low-temperature resistive NO gas sensor based on InGa _n /Ga _n multi-quantum well-embedded p-GaN nanorods. <i>Dalton Transactions</i> , 2019, 48, 1367-1375.	3.3	28
32	Hierarchical nanohybrids of B- and N-codoped graphene/mesoporous NiO nanodisks: an exciting new material for selective sensing of H ₂ S at near ambient temperature. <i>Journal of Materials Chemistry A</i> , 2019, 7, 9263-9278.	10.3	46
33	CdO nanonecklace: Effect of air annealing on performance of photo electrochemical cell. <i>Journal of Alloys and Compounds</i> , 2019, 788, 75-82.	5.5	32
34	Energy diagram analysis of photoelectrochemical water splitting process. <i>Nano Energy</i> , 2019, 57, 660-669.	16.0	14
35	UV-light-activated H ₂ S gas sensing by a TiO ₂ nanoparticulate thin film at room temperature. <i>Journal of Alloys and Compounds</i> , 2019, 778, 247-255.	5.5	57
36	Reduction of magnetic resonance image artifacts of NiTi implant by carbon coating. <i>Materials Science and Engineering C</i> , 2019, 98, 1-8.	7.3	7

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37	Adsorption/desorption kinetics of nitric oxide on zinc oxide nano film sensor enhanced by light irradiation and gold-nanoparticles decoration. <i>Sensors and Actuators B: Chemical</i> , 2019, 281, 262-272.	7.8	41
38	Transport of photo-generated electrons and holes in TiO ₂ /CdS/CdSe core-shell nanorod structure toward high performance photoelectrochemical cell electrode. <i>Electrochimica Acta</i> , 2019, 295, 710-718.	5.2	26
39	H ₂ , H ₂ S gas sensing properties of rGO/GaN nanorods at room temperature: Effect of UV illumination. <i>Sensors and Actuators B: Chemical</i> , 2018, 264, 353-362.	7.8	69
40	Highly durable Cu-based electrodes from a printable nanoparticle mixture ink: flash-light-sintered, kinetically-controlled microstructure. <i>Nanoscale</i> , 2018, 10, 5047-5053.	5.6	26
41	World's first large size 77-inch transparent flexible OLED display. <i>Journal of the Society for Information Display</i> , 2018, 26, 287-295.	2.1	65
42	Fully Reversible Multistate Fluorescence Switching: Organogel System Consisting of Luminescent Cyanostilbene and Turn-On Diarylethene. <i>Advanced Functional Materials</i> , 2018, 28, 1706213.	14.9	85
43	Enhanced photoelectrochemical activity in the heterostructure of vertically aligned few-layer MoS ₂ flakes on ZnO. <i>Electrochimica Acta</i> , 2018, 260, 150-156.	5.2	60
44	Highly fluorescent and water soluble turn-on type diarylethene for super-resolution bioimaging over a broad pH range. <i>Dyes and Pigments</i> , 2018, 158, 36-41.	3.7	15
45	Porous Fe ₃ O ₄ Nanospheres with Controlled Porosity for Enhanced Electromagnetic Wave Absorption. <i>Physica Status Solidi (A) Applications and Materials Science</i> , 2018, 215, 1701032.	1.8	24
46	Multicolor Fluorescence Photoswitching: Color-Correlated versus Color-Specific Switching. <i>Advanced Optical Materials</i> , 2018, 6, 1800678.	7.3	78
47	In-situ Co-Arc Discharge Synthesis of Fe ₃ O ₄ /SWCNT Composites for Highly Effective Microwave Absorption. <i>Physica Status Solidi (A) Applications and Materials Science</i> , 2018, 215, 1700989.	1.8	24
48	Fabrication and Characterization of CuO Thin Film/ZnO Nanorods Heterojunction Structure for Efficient Detection of NO Gas. <i>Korean Journal of Materials Research</i> , 2018, 28, 32-37.	0.2	2
49	Stabilization of Nickel-Rich Layered Cathode Materials of High Energy Density by Ca Doping. <i>Korean Journal of Materials Research</i> , 2018, 28, 273-278.	0.2	2
50	Photoelectrochemical Properties of a Cu ₂ O Film/ZnO Nanorods Oxide p-n Heterojunction Photoelectrode for Solar-Driven Water Splitting. <i>Korean Journal of Materials Research</i> , 2018, 28, 214-220.	0.2	1
51	Synthesis of Magneli Phases and Application to the Photoelectrochemical Electrode. <i>Korean Journal of Materials Research</i> , 2018, 28, 261-267.	0.2	1
52	Fabrication and H ₂ S Sensing Property of Nickel Oxide and Nickel Oxide-Carbon Nanotube Composite. <i>Korean Journal of Materials Research</i> , 2018, 28, 466-473.	0.2	0
53	Ultra-sensitive 2-nitrophenol detection based on reduced graphene oxide/ZnO nanocomposites. <i>Journal of Electroanalytical Chemistry</i> , 2017, 788, 66-73.	3.8	72
54	Highly sensitive and selective detection of Bis-phenol A based on hydroxyapatite decorated reduced graphene oxide nanocomposites. <i>Electrochimica Acta</i> , 2017, 241, 353-361.	5.2	52

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55	3D inverse-opal structured Li ₄ Ti ₅ O ₁₂ Anode for fast Li-Ion storage capabilities. <i>Electronic Materials Letters</i> , 2017, 13, 505-511.	2.2	8
56	Ultrathin Plasmonic Optical/Thermal Barrier: Flashlight-Sintered Copper Electrodes Compatible with Polyethylene Terephthalate Plastic Substrates. <i>ACS Applied Materials & Interfaces</i> , 2017, 9, 43814-43821.	8.0	13
57	Large-scale room-temperature aqueous synthesis of Co superstructures with controlled morphology, and their application to electromagnetic wave absorption. <i>Metals and Materials International</i> , 2017, 23, 405-411.	3.4	22
58	Synthesis of UV-Curable Modified (3,4-epoxycyclohexane)methyl 3,4-epoxycyclohexylcarboxylate Acrylate. <i>Korean Journal of Materials Research</i> , 2017, 27, 199-205.	0.2	1
59	Fabrication and Characterization of CuO Nanoparticles/ZnO Nanorods Heterojunction Structure for Room Temperature NO Gas Sensor Application. <i>Journal of Nanoscience and Nanotechnology</i> , 2016, 16, 11608-11612.	0.9	4
60	A Hydrogen Sulfide Gas Sensor Based on Pd-Decorated ZnO Nanorods. <i>Journal of Nanoscience and Nanotechnology</i> , 2016, 16, 10351-10355.	0.9	17
61	H ₂ - and NH ₃ -treated ZnO nanorods sensitized with CdS for photoanode enhanced in photoelectrochemical performance. <i>Journal of Power Sources</i> , 2016, 317, 169-176.	7.8	20
62	Is Color-Specific Photoswitching in Dual-Color Fluorescence Systems Possible? Manipulating Intermolecular Energy Transfer among Two Different Fluorophores and One Photoswitch. <i>Advanced Optical Materials</i> , 2016, 4, 790-797.	7.3	29
63	Gas-Sensing Properties of ZnO Nanorods at Room Temperature Under Continuous UV Illumination in Humid Air. <i>Journal of Nanoscience and Nanotechnology</i> , 2016, 16, 10346-10350.	0.9	6
64	Enhanced carrier collection efficiency in hierarchical nano-electrode for a high-performance photoelectrochemical cell. <i>Journal of Power Sources</i> , 2016, 336, 367-375.	7.8	13
65	NO gas sensing kinetics at room temperature under UV light irradiation of In ₂ O ₃ nanostructures. <i>Scientific Reports</i> , 2016, 6, 35066.	3.3	99
66	Three-Dimensional Hierarchical Structures of TiO ₂ /CdS Branched Core-Shell Nanorods as a High-Performance Photoelectrochemical Cell Electrode for Hydrogen Production. <i>Journal of the Electrochemical Society</i> , 2016, 163, H434-H439.	2.9	20
67	Surface gas sensing kinetics of a WO ₃ nanowire sensor: Part 2—Reducing gases. <i>Sensors and Actuators B: Chemical</i> , 2016, 224, 425-433.	7.8	47
68	Co ₃ O ₄ /SWCNT composites for H ₂ S gas sensor application. <i>Sensors and Actuators B: Chemical</i> , 2016, 222, 166-172.	7.8	75
69	Iron Oxide-Carbon Nanotube Composite for NH ₃ Detection. <i>Korean Journal of Materials Research</i> , 2016, 26, 187-193.	0.2	4
70	Fabrication and Photoelectrochemical Properties of a Cu ₂ O/CuO Heterojunction Photoelectrode for Hydrogen Production from Solar Water Splitting. <i>Korean Journal of Materials Research</i> , 2016, 26, 604-610.	0.2	3
71	Ni ₂ O ₃ ; Decoration of WO ₃ ; Thin Film for High Sensitivity NH ₃ Gas Sensor. <i>Materials Transactions</i> , 2015, 56, 1354-1357.	1.2	16
72	Transparent Conductive Films of Copper Nanofiber Network Fabricated by Electrospinning. <i>Journal of Nanomaterials</i> , 2015, 2015, 1-8.	2.7	7

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73	Growth and fabrication method of CdTe and its performance as a radiation detector. Journal of the Korean Physical Society, 2015, 66, 31-36.	0.7	9
74	Microstructural and electrical properties of lead-free $0.5\text{Ba}(\text{Zr}_{0.2}\text{Ti}_{0.8})\text{O}_3 \cdot 0.5(\text{Ba}_{0.7}\text{Ca}_{0.3})\text{TiO}_3$ (BZT-BCT) epitaxial films grown on Si (0 0 1) substrates. Scripta Materialia, 2015, 108, 96-99.	5.2	5
75	Surface gas sensing kinetics of a WO_3 nanowire sensor: part 1—oxidizing gases. Sensors and Actuators B: Chemical, 2015, 220, 932-941.	7.8	43
76	Porous Au-embedded WO_3 Nanowire Structure for Efficient Detection of CH_4 and H_2S . Scientific Reports, 2015, 5, 11040.	3.3	135
77	Rectifying and NO Gas Sensing Properties of an Oxide Heterostructure with ZnO Nanorods Embedded in CuO Thin Film. Nanoscience and Nanotechnology Letters, 2015, 7, 758-762.	0.4	3
78	Detection of H_2S Gas with CuO Nanowire Sensor. Korean Journal of Materials Research, 2015, 25, 238-246.	0.2	3
79	Nitrogen Monoxide Gas Sensing Properties of Copper Oxide Thin Films Fabricated by a Spin Coating Method. Korean Journal of Materials Research, 2015, 25, 171-176.	0.2	1
80	Zinc Oxide Wire-Like Thin Films as Nitrogen Monoxide Gas Sensor. Korean Journal of Materials Research, 2015, 25, 358-363.	0.2	1
81	Zinc-oxide nanorod/copper-oxide thin-film heterojunction for a nitrogen-monoxide gas sensor. Journal of the Korean Physical Society, 2014, 65, 1653-1657.	0.7	1
82	One-Dimensional Organic-Inorganic Nanocomposite Synthesized with Single-Walled Carbon Nanotube Templates. Materials, 2014, 7, 5858-5865.	2.9	3
83	Ni_2O_3 -decorated SnO_2 particulate films for methane gas sensors. Sensors and Actuators B: Chemical, 2014, 192, 327-333.	7.8	105
84	Ni_2O_3 decoration of In_2O_3 nanostructures for catalytically enhanced methane sensing. Applied Surface Science, 2014, 317, 765-770.	6.1	36
85	Effect of an Au Nanodot Nucleation Layer on CO Gas Sensing Properties of Nanostructured SnO_2 Thin Films. Korean Journal of Materials Research, 2014, 24, 152-158.	0.2	1
86	Enhancement of Dye-Sensitized Solar Cell Efficiency by Spherical Voids in Nanocrystalline ZnO Electrodes. Korean Journal of Materials Research, 2014, 24, 458-464.	0.2	2
87	Nitrogen Monoxide Gas Sensing Properties of CuO Nanorods Synthesized by a Hydrothermal Method. Korean Journal of Materials Research, 2014, 24, 19-24.	0.2	4
88	SnO_2 Hollow Hemisphere Array for Methane Gas Sensing. Korean Journal of Materials Research, 2014, 24, 451-457.	0.2	0
89	Urchin-like nanowire array: a strategy for high-performance ZnO -based electrode utilized in photoelectrochemistry. Nanoscale, 2013, 5, 5530.	5.6	43
90	Transparent conductive film with printable embedded patterns for organic solar cells. Solar Energy Materials and Solar Cells, 2013, 109, 142-147.	6.2	84

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91	An edge-contacted pn-heterojunction of a p-SWCNT/n-WO ₃ thin film. Journal of Materials Chemistry C, 2013, 1, 5153.	5.5	14
92	General and scalable route to synthesize nanowire-structured semiconducting metal oxides for gas-sensor applications. Journal of Alloys and Compounds, 2013, 549, 260-268.	5.5	32
93	A scalable fabrication of highly transparent and conductive thin films using fluorosurfactant-assisted single-walled carbon nanotube dispersions. Carbon, 2013, 52, 259-266.	10.3	23
94	A high-performance nonenzymatic glucose sensor made of CuO@SWCNT nanocomposites. Biosensors and Bioelectronics, 2013, 42, 280-286.	10.1	130
95	Electrochromic properties of porous WO ₃ @TiO ₂ core-shell nanowires. Journal of Materials Chemistry C, 2013, 1, 3399.	5.5	73
96	NiO-decorated single-walled carbon nanotubes for high-performance nonenzymatic glucose sensing. Sensors and Actuators B: Chemical, 2013, 183, 381-387.	7.8	67
97	Highly Flexible Magnetoelectronic Device Integrated With Embedded Ag Nanoparticle Electrode. IEEE Sensors Journal, 2013, 13, 3957-3961.	4.7	7
98	Optimization of CdS/ZnO Electrode for Use in Photoelectrochemical Cell. Journal of the Electrochemical Society, 2013, 160, H852-H857.	2.9	13
99	Synthesis of Vertically Aligned CuO Nanorods by Thermal Oxidation. Korean Journal of Materials Research, 2013, 23, 1-6.	0.2	0
100	Nitrogen Monoxide Gas Sensing Characteristics of Transparent p-type Semiconductor CuAlO ₂ Thin Films. Korean Journal of Materials Research, 2013, 23, 477-482.	0.2	0
101	ZnO Hierarchical Nanostructures Fabricated by Electrospinning and Hydrothermal Methods for Photoelectrochemical Cell Electrodes. Korean Journal of Materials Research, 2013, 23, 655-660.	0.2	0
102	Hollow SnO ₂ Hemisphere Arrays for Nitric Oxide Gas Sensing. Korean Journal of Materials Research, 2013, 23, 667-671.	0.2	0
103	Hydrothermal Synthesis of ZnO Nanorods in the Presence of a Surfactant. Journal of Nanoscience and Nanotechnology, 2012, 12, 1328-1331.	0.9	2
104	Tin Oxide-Carbon Nanotube Composite for NO _x Sensing. Journal of Nanoscience and Nanotechnology, 2012, 12, 1425-1428.	0.9	26
105	GaN nanorods synthesis on single-wall carbon nanotube bundles via substrate confinement. CrystEngComm, 2012, 14, 2166.	2.6	8
106	Realization of an open space ensemble for nanowires: a strategy for the maximum response in resistive sensors. Journal of Materials Chemistry, 2012, 22, 6716.	6.7	60
107	Optimization of a zinc oxide urchin-like structure for high-performance gas sensing. Journal of Materials Chemistry, 2012, 22, 1127-1134.	6.7	73
108	Selected Peer-Reviewed Articles from the International Union of Materials Research Societies' International Conference on Electronic Materials 2010 (IUMRS-ICEM 2010). Journal of Nanoscience and Nanotechnology, 2012, 12, 1128-1130.	0.9	0

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109	A multi-wall carbon nanotube/polymethyl methacrylate composite for use in field emitters on flexible substrates. <i>Carbon</i> , 2012, 50, 987-993.	10.3	20
110	Enzymatic glucose biosensor based on CeO ₂ nanorods synthesized by non-isothermal precipitation. <i>Biosensors and Bioelectronics</i> , 2012, 31, 176-181.	10.1	86
111	An amperometric glucose biosensor based on a GOx-entrapped TiO ₂ @SWCNT composite. <i>Sensors and Actuators B: Chemical</i> , 2012, 166-167, 103-109.	7.8	37
112	Electrospun Non-Directional Zinc Oxide Nanofibers as Nitrogen Monoxide Gas Sensor. <i>Korean Journal of Materials Research</i> , 2012, 22, 609-614-609-614.	0.2	8
113	A simple fabrication method of randomly oriented polycrystalline zinc oxide nanowires and their application to gas sensing. <i>Advances in Natural Sciences: Nanoscience and Nanotechnology</i> , 2011, 2, 015002.	1.5	6
114	Growth and optical properties of ZnO nanorods prepared through hydrothermal growth followed by chemical vapor deposition. <i>Journal of Alloys and Compounds</i> , 2011, 509, 5137-5141.	5.5	32
115	Polymer-Assisted Deposition of Co-Doped Zinc Oxide Thin Films for the Detection of Aromatic Organic Compounds. <i>Journal of Nanoscience and Nanotechnology</i> , 2011, 11, 10821-10823.	0.9	0
116	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
117	Transparent Conductive Thin Film Synthesis Based on Single-Walled Carbon Nanotubes Dispersion Containing Polymethylmethacrylate Binder. <i>Journal of Nanoscience and Nanotechnology</i> , 2011, 11, 6345-6349.	0.9	8
118	Polyaniline@chitosan nanocomposite: High performance hydrogen sensor from new principle. <i>Sensors and Actuators B: Chemical</i> , 2011, 160, 1020-1025.	7.8	40
119	Polyaniline/multiwall carbon nanotube nanocomposite for detecting aromatic hydrocarbon vapors. <i>Journal of Materials Science</i> , 2011, 46, 1857-1861.	3.7	23
120	Effect of Be codoping on the photoluminescence spectra of GaMnAs. <i>Current Applied Physics</i> , 2011, 11, 735-739.	2.4	1
121	Enhanced Photoelectrochemical Activity of the TiO ₂ /ITO Nanocomposites Grown onto Single-Walled Carbon Nanotubes at a Low Temperature by Nanocluster Deposition. <i>Advanced Materials</i> , 2011, 23, 5557-5562.	21.0	33
122	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.	2.4	135
123	Growth and optical properties of ZnO nanorods prepared through hydrothermal growth followed by chemical vapor deposition. , 2010, , .		2
124	Effects of low temperature ZnO and MgO buffer thicknesses on properties of ZnO films grown on (0001) Al ₂ O ₃ substrates by plasma-assisted molecular beam epitaxy. <i>Thin Solid Films</i> , 2010, 519, 223-227.	1.8	12
125	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.	7.8	96
126	Synthesis of porous CuO nanowires and its application to hydrogen detection. <i>Sensors and Actuators B: Chemical</i> , 2010, 146, 266-272.	7.8	142

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127	High-performance carbon nanotube hydrogen sensor. <i>Sensors and Actuators B: Chemical</i> , 2010, 149, 184-188.	7.8	38
128	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.	7.8	68
129	Enhancement of CO gas sensing properties in ZnO thin films deposited on self-assembled Au nanodots. <i>Sensors and Actuators B: Chemical</i> , 2010, 151, 127-132.	7.8	53
130	Transparent Field Emission Device from a Spray Coating of Single-Wall Carbon Nanotubes. <i>Journal of the Electrochemical Society</i> , 2010, 157, J371.	2.9	4
131	Polymer-assisted deposition of Co-doped zinc oxide thin film for the detection of aromatic organic compounds. , 2010, , .		0
132	Highly adhesive, transparent and conductive single-walled carbon nanotube film. , 2010, , .		0
133	Investigations on growth and hydrogen gas sensing property of ZnO nanowires prepared by hydrothermal growth. , 2010, , .		0
134	Structural and Field Emission Properties of GaNâ€“SWCNT Nanocomposites. <i>Journal of the Electrochemical Society</i> , 2010, 157, J415.	2.9	3
135	NO gas sensing properties of ZnO wire-like thin films synthesized by thermal oxidation of sputtered Zn metallic films in air. , 2010, , .		0
136	Synthesis and Gas Sensing Properties of ZnO Nanostructures. <i>Journal of the Korean Physical Society</i> , 2010, 57, 1784-1788.	0.7	30
137	Synthesis and hydrogen gas sensing properties of ZnO wirelike thin films. <i>Journal of Vacuum Science and Technology A: Vacuum, Surfaces and Films</i> , 2009, 27, 1347-1351.	2.1	31
138	ZnO nanowires prepared by hydrothermal growth followed by chemical vapor deposition for gas sensors. <i>Journal of Vacuum Science & Technology B</i> , 2009, 27, 1667-1672.	1.3	20
139	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.	7.8	68
140	Magnetism in Si1âˆ’Mn diluted magnetic semiconductor thin films. <i>Thin Solid Films</i> , 2009, 518, 309-312.	1.8	3
141	Nanowire structured SnOxâ€“SWNT composites: High performance sensor for NOx detection. <i>Sensors and Actuators B: Chemical</i> , 2009, 142, 253-259.	7.8	123
142	Nanofibers of conducting polyaniline for aromatic organic compound sensor. <i>Sensors and Actuators B: Chemical</i> , 2009, 143, 132-138.	7.8	69
143	SWNTâ€“SOG composite for transparent field emission device. <i>Journal of Crystal Growth</i> , 2009, 311, 662-665.	1.5	2
144	Tin oxide nanotube structures synthesized on a template of single-walled carbon nanotubes. <i>Journal of Crystal Growth</i> , 2009, 311, 657-661.	1.5	28

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