

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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all docs

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docs citations

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times ranked

7025
citing authors

#	ARTICLE	IF	CITATIONS
1	Magnetic properties of epitaxially grown semiconducting Zn _{1-x} CoxO thin films by pulsed laser deposition. <i>Journal of Applied Physics</i> , 2002, 92, 6066-6071.	2.5	323
2	Effects of rapid thermal annealing on the ferromagnetic properties of sputtered Zn _{1-x} (Co _{0.5} Fe _{0.5})xO thin films. <i>Applied Physics Letters</i> , 2002, 80, 3358-3360.	3.3	237
3	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
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.	2.4	135
5	Porous Au-embedded WO ₃ Nanowire Structure for Efficient Detection of CH ₄ and H ₂ S. <i>Scientific Reports</i> , 2015, 5, 11040.	3.3	135
6	A high-performance nonenzymatic glucose sensor made of CuO@SWCNT nanocomposites. <i>Biosensors and Bioelectronics</i> , 2013, 42, 280-286.	10.1	130
7	Nanowire structured SnO _x @SWNT composites: High performance sensor for NO _x detection. <i>Sensors and Actuators B: Chemical</i> , 2009, 142, 253-259.	7.8	123
8	Ni ₂ O ₃ -decorated SnO ₂ particulate films for methane gas sensors. <i>Sensors and Actuators B: Chemical</i> , 2014, 192, 327-333.	7.8	105
9	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
10	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
11	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
12	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
13	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
14	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
15	Transparent conductive film with printable embedded patterns for organic solar cells. <i>Solar Energy Materials and Solar Cells</i> , 2013, 109, 142-147.	6.2	84
16	Multicolor Fluorescence Photoswitching: Color-Correlated versus Color-Specific Switching. <i>Advanced Optical Materials</i> , 2018, 6, 1800678.	7.3	78
17	High luminance of new green emitting phosphor, Mg ₂ SnO ₄ :Mn. <i>Journal of Luminescence</i> , 2002, 99, 169-173.	3.1	77
18	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

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19	Optimization of a zinc oxide urchin-like structure for high-performance gas sensing. <i>Journal of Materials Chemistry</i> , 2012, 22, 1127-1134.	6.7	73
20	Electrochromic properties of porous WO ₃ @TiO ₂ core-shell nanowires. <i>Journal of Materials Chemistry C</i> , 2013, 1, 3399.	5.5	73
21	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
22	Nanofibers of conducting polyaniline for aromatic organic compound sensor. <i>Sensors and Actuators B: Chemical</i> , 2009, 143, 132-138.	7.8	69
23	H ₂ , H ₂ S gas sensing properties of rGO/CaO nanorods at room temperature: Effect of UV illumination. <i>Sensors and Actuators B: Chemical</i> , 2018, 264, 353-362.	7.8	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.	7.8	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.	7.8	68
26	NiO-decorated single-walled carbon nanotubes for high-performance nonenzymatic glucose sensing. <i>Sensors and Actuators B: Chemical</i> , 2013, 183, 381-387.	7.8	67
27	Improvement of breakdown characteristics of a GaAs power field-effect transistor using (NH ₄) ₂ S treatment. <i>Journal of Applied Physics</i> , 1993, 73, 3539-3542.	2.5	65
28	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
29	Optical and magnetic properties of laser-deposited Co-doped ZnO thin films. <i>Solid State Communications</i> , 2004, 131, 677-680.	1.9	64
30	Magnetoresistance in laser-deposited Zn _{1-x} CoxO thin films. <i>Physica B: Condensed Matter</i> , 2003, 327, 304-306.	2.7	63
31	Characterization of Fe-catalyzed carbon nanotubes grown by thermal chemical vapor deposition. <i>Journal of Crystal Growth</i> , 2002, 244, 211-217.	1.5	62
32	Realization of an open space ensemble for nanowires: a strategy for the maximum response in resistive sensors. <i>Journal of Materials Chemistry</i> , 2012, 22, 6716.	6.7	60
33	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
34	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
35	Electrical and magnetic properties of spinel-type magnetic semiconductor ZnCo ₂ O ₄ grown by reactive magnetron sputtering. <i>Journal of Applied Physics</i> , 2004, 95, 7387-7389.	2.5	53
36	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

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37	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
38	The origin of room temperature ferromagnetism in cobalt-doped zinc oxide thin films fabricated by PLD. <i>Journal of the European Ceramic Society</i> , 2004, 24, 1847-1851.	5.7	51
39	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
40	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.	7.8	48
41	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
42	Hierarchical nanohybrids of B- and N-codoped graphene/mesoporous NiO nanodisks: an exciting new material for selective sensing of H_2S at near ambient temperature. <i>Journal of Materials Chemistry A</i> , 2019, 7, 9263-9278.	10.3	46
43	Observation of ferromagnetism and anomalous Hall effect in laser-deposited chromium-doped indium tin oxide films. <i>Solid State Communications</i> , 2006, 137, 41-43.	1.9	44
44	Anion exchange and successive ionic layer adsorption and reaction-assisted coating of BiVO_4 with Bi_2S_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
45	Synthesis and characterization of red phosphor $(\text{Y,Gd})\text{BO}_3\text{:Eu}$ by the coprecipitation method. <i>Journal of Materials Research</i> , 2002, 17, 907-910.	2.6	43
46	Urchin-like nanowire array: a strategy for high-performance ZnO -based electrode utilized in photoelectrochemistry. <i>Nanoscale</i> , 2013, 5, 5530.	5.6	43
47	Surface gas sensing kinetics of a WO_3 nanowire sensor: part 1—oxidizing gases. <i>Sensors and Actuators B: Chemical</i> , 2015, 220, 932-941.	7.8	43
48	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
49	Fe_2O_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
50	Polyaniline—chitosan nanocomposite: High performance hydrogen sensor from new principle. <i>Sensors and Actuators B: Chemical</i> , 2011, 160, 1020-1025.	7.8	40
51	Effect of SILAR-anchored ZnFe_2O_4 on the BiVO_4 nanostructure: An attempt towards enhancing photoelectrochemical water splitting. <i>Applied Surface Science</i> , 2021, 546, 149033.	6.1	39
52	Patterned carbon nanotube field emitter using the regular array of an anodic aluminium oxide template. <i>Nanotechnology</i> , 2005, 16, S291-S295.	2.6	38
53	High-performance carbon nanotube hydrogen sensor. <i>Sensors and Actuators B: Chemical</i> , 2010, 149, 184-188.	7.8	38
54	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

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55	Ni ₂ O ₃ decoration of In ₂ O ₃ nanostructures for catalytically enhanced methane sensing. <i>Applied Surface Science</i> , 2014, 317, 765-770.	6.1	36
56	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
57	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
58	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
59	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
60	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
61	Nanocomposite of SWNTs and SnO ₂ fabricated by soldering process for ammonia gas sensor application. <i>Physica Status Solidi (A) Applications and Materials Science</i> , 2007, 204, 1820-1824.	1.8	32
62	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
63	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.	5.5	32
64	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
65	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
66	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
67	Synthesis and Gas Sensing Properties of ZnO Nanostructures. <i>Journal of the Korean Physical Society</i> , 2010, 57, 1784-1788.	0.7	30
68	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
69	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
70	Organic thin-film transistors on plastic substrates. <i>Materials Science and Engineering B: Solid-State Materials for Advanced Technology</i> , 2005, 121, 211-215.	3.5	28
71	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
72	A novel low-temperature resistive NO gas sensor based on InGaN/GaN multi-quantum well-embedded GaN nanorods. <i>Dalton Transactions</i> , 2019, 48, 1367-1375.	3.3	28

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73	Observation of Ni silicide formations and field emission properties of Ni silicide nanowires. <i>Microelectronic Engineering</i> , 2008, 85, 1709-1712.	2.4	27
74	Tin Oxide-Carbon Nanotube Composite for NO _x Sensing. <i>Journal of Nanoscience and Nanotechnology</i> , 2012, 12, 1425-1428.	0.9	26
75	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
76	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
77	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
78	The determining factors for the growth mode of carbon nanotubes in the chemical vapour deposition process. <i>Nanotechnology</i> , 2004, 15, S590-S595.	2.6	25
79	Heat treatment effect on magnetic properties of polycrystalline Si _{1-x} Mnx semiconductors grown by MBE. <i>Journal of Magnetism and Magnetic Materials</i> , 2004, 282, 240-243.	2.3	25
80	ZnTe-coated ZnO nanorods: Hydrogen sulfide nano-sensor purely controlled by pn junction. <i>Materials and Design</i> , 2020, 191, 108628.	7.0	25
81	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
82	Fabrication of SiO ₂ -ZrO ₂ composite fiber mats via electrospinning. <i>Journal of Porous Materials</i> , 2006, 13, 325-330.	2.6	24
83	The production of transparent carbon nanotube field emitters using inkjet printing. <i>Physica E: Low-Dimensional Systems and Nanostructures</i> , 2009, 41, 1513-1516.	2.7	24
84	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
85	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
86	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
87	Polyaniline/multiwall carbon nanotube nanocomposite for detecting aromatic hydrocarbon vapors. <i>Journal of Materials Science</i> , 2011, 46, 1857-1861.	3.7	23
88	A scalable fabrication of highly transparent and conductive thin films using fluorosurfactant-assisted single-walled carbon nanotube dispersions. <i>Carbon</i> , 2013, 52, 259-266.	10.3	23
89	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
90	Nanostructured Bi ₂ -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

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91	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
92	Characteristics of cobalt-doped zinc oxide thin films prepared by pulsed laser deposition. <i>IEEE Transactions on Magnetics</i> , 2002, 38, 2880-2882.	2.1	21
93	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
94	Cross-sectional transmission electron microscopy of carbon nanotubes catalyst-substrate heterostructure using a novel method for specimen preparation. <i>Thin Solid Films</i> , 2002, 415, 78-82.	1.8	20
95	Growth and characterization of spinel-type magnetic semiconductor ZnCo ₂ O ₄ by reactive magnetron sputtering. <i>Physica Status Solidi (B): Basic Research</i> , 2004, 241, 1553-1556.	1.5	20
96	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
97	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
98	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
99	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
100	Three-dimensional nanoporous SnO ₂ /CdS heterojunction for high-performance photoelectrochemical water splitting. <i>Applied Surface Science</i> , 2021, 560, 149904.	6.1	19
101	Carbon nanotube synthesis using a magnetic fluid via thermal chemical vapor deposition. <i>Journal of Crystal Growth</i> , 2002, 243, 224-229.	1.5	18
102	A high-performance triode-type carbon nanotube field emitter for mass production. <i>Nanotechnology</i> , 2007, 18, 345201.	2.6	18
103	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
104	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
105	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
106	Multifunctional Harvested Afterglow Nanosensor for Molecular Imaging of Acute Kidney Injury In Vivo. <i>Small</i> , 2022, 18, e2200245.	10.0	17
107	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
108	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

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109	Optimization of GaMnAs growth in low temperature molecular beam epitaxy. <i>Metals and Materials International</i> , 2002, 8, 177-181.	3.4	15
110	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.	2.6	15
111	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
112	Annealing effect on magnetic and electronic properties of polycrystalline $\text{Ge}_{1-x}\text{Mnx}$ semiconductors grown by MBE. <i>Journal of Magnetism and Magnetic Materials</i> , 2004, 282, 385-388.	2.3	14
113	New method of driving an OLED with an OTFT. <i>Synthetic Metals</i> , 2005, 151, 197-201.	3.9	14
114	An edge-contacted pn-heterojunction of a p-SWCNT/n-WO ₃ thin film. <i>Journal of Materials Chemistry C</i> , 2013, 1, 5153.	5.5	14
115	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
116	Energy diagram analysis of photoelectrochemical water splitting process. <i>Nano Energy</i> , 2019, 57, 660-669.	16.0	14
117	A Method to Fabricate Field Emission Tip Arrays by Electrocodeposition of Single-Wall Carbon Nanotubes and Nickel. <i>Electrochemical and Solid-State Letters</i> , 2006, 9, G107.	2.2	13
118	Magneto-transport properties of amorphous $\text{Ge}_{1-x}\text{Mnx}$ thin films. <i>Current Applied Physics</i> , 2006, 6, 545-548.	2.4	13
119	Optimization of CdS/ZnO Electrode for Use in Photoelectrochemical Cell. <i>Journal of the Electrochemical Society</i> , 2013, 160, H852-H857.	2.9	13
120	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
121	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
122	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
123	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
124	Ferromagnetism in amorphous $\text{Ge}_{1-x}\text{Mnx}$ grown by low temperature vapor deposition. <i>Solid State Communications</i> , 2005, 134, 641-645.	1.9	12
125	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
126	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

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127	Magnetic and electrical properties of MBE-grown $(\text{Ge}_{1-x}\text{Si}_x)_{1-y}\text{Mn}_y$ thin films. <i>Current Applied Physics</i> , 2006, 6, 478-481.	2.4	11
128	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
129	Realization of high mobilities at ultralow electron density in $\text{GaAs}/\text{Al}_{0.3}\text{Ga}_{0.7}\text{As}$ inverted heterojunctions. <i>Applied Physics Letters</i> , 1990, 56, 1874-1876.	3.3	10
130	Growth and fabrication method of CdTe and its performance as a radiation detector. <i>Journal of the Korean Physical Society</i> , 2015, 66, 31-36.	0.7	9
131	Magnetic phases in polycrystalline $\text{Si}_{1-x}\text{Mn}_x$ semiconductors grown by MBE. <i>Journal of Magnetism and Magnetic Materials</i> , 2004, 282, 244-247.	2.3	8
132	Synthesis of a long strand of single-wall carbon nanotubes. <i>Nanotechnology</i> , 2005, 16, 386-390.	2.6	8
133	A simple method to fabricate high-performance carbon nanotube field emitters. <i>Journal of Electroceramics</i> , 2006, 17, 945-949.	2.0	8
134	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
135	GaN nanorods synthesis on single-wall carbon nanotube bundles via substrate confinement. <i>CrystEngComm</i> , 2012, 14, 2166.	2.6	8
136	3D inverse-opal structured $\text{Li}_4\text{Ti}_5\text{O}_{12}$ Anode for fast Li-Ion storage capabilities. <i>Electronic Materials Letters</i> , 2017, 13, 505-511.	2.2	8
137	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
138	Photochogenic Inflatable Nanohybrids for Upconversion-Mediated Sonotheranostics. <i>ACS Nano</i> , 2021, 15, 18394-18402.	14.6	8
139	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
140	Highly Flexible Magneto-electronic Device Integrated With Embedded Ag Nanoparticle Electrode. <i>IEEE Sensors Journal</i> , 2013, 13, 3957-3961.	4.7	7
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