

Shengping Ruan

List of Publications by Year in descending order

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227
papers

7,183
citations

43973

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docs citations

229
times ranked

7324
citing authors

#	ARTICLE	IF	CITATIONS
1	Passivation agent with dipole moment for surface modification towards efficient and stable perovskite solar cells. <i>Journal of Energy Chemistry</i> , 2022, 64, 55-61.	7.1	17
2	Mesoporous Ti _{0.5} Cr _{0.5} N for trace H ₂ S detection with excellent long-term stability. <i>Journal of Hazardous Materials</i> , 2022, 423, 127193.	6.5	9
3	G-C ₃ N ₄ /In ₂ O ₃ composite for effective formaldehyde detection. <i>Sensors and Actuators B: Chemical</i> , 2022, 358, 131414.	4.0	23
4	Using Ligand Engineering to Produce Efficient and Stable Pb-Sn Perovskite Solar Cells with Antioxidative 2D Capping Layers. <i>ACS Applied Materials & Interfaces</i> , 2022, 14, 14729-14738.	4.0	8
5	Synthesis and gas sensing properties of Fe ²⁺ -Fe ₂ O ₃ derived from Fe/Ga bimetallic organic framework. <i>Journal of Alloys and Compounds</i> , 2022, 921, 166193.	2.8	9
6	Enhanced gas sensing properties for formaldehyde based on ZnO/Zn ₂ SnO ₄ composites from one-step hydrothermal synthesis. <i>Journal of Alloys and Compounds</i> , 2021, 850, 156606.	2.8	45
7	Mesoporous titanium niobium nitrides supported Pt nanoparticles for highly selective and sensitive formaldehyde sensing. <i>Journal of Materials Chemistry A</i> , 2021, 9, 19840-19846.	5.2	14
8	Molecular Doping Inhibits Charge Trapping in Low-Temperature-Processed ZnO toward Flexible Organic Solar Cells. <i>ACS Applied Materials & Interfaces</i> , 2021, 13, 14423-14432.	4.0	13
9	Construction of p-n heterojunctions by modifying MOF-derived Fe ²⁺ -Fe ₂ O ₃ with partially covered cobalt tungstate for high-performance ethyl acetate detection. <i>Sensors and Actuators B: Chemical</i> , 2021, 344, 130129.	4.0	20
10	Synthesis of Au-decorated SnO ₂ crystallites with exposed (221) facets and their enhanced acetylene sensing properties. <i>Sensors and Actuators B: Chemical</i> , 2020, 307, 127629.	4.0	44
11	Engineering Co ³⁺ cations in Co ₃ O ₄ multishelled microspheres by Mn doping: The roles of Co ³⁺ and oxygen species for sensitive xylene detection. <i>Sensors and Actuators B: Chemical</i> , 2020, 308, 127651.	4.0	31
12	The effects of Zr-doping on improving the sensitivity and selectivity of a one-dimensional Fe ²⁺ -MoO ₃ -based xylene gas sensor. <i>Inorganic Chemistry Frontiers</i> , 2020, 7, 1704-1712.	3.0	29
13	Novel ultraviolet photodetector with ultrahigh photosensitivity employing SILAR-deposited ZnS film on MgZnO. <i>Journal of Alloys and Compounds</i> , 2020, 832, 155022.	2.8	22
14	Metal-organic framework-derived ZnO/ZnCo ₂ O ₄ microspheres modified by catalytic PdO nanoparticles for sub-ppm-level formaldehyde detection. <i>Sensors and Actuators B: Chemical</i> , 2020, 315, 128118.	4.0	50
15	UV detector based on an FTO/TiO ₂ /MoO ₃ heterojunction with a potential well trapping electrons in the dark. <i>Nanotechnology</i> , 2019, 30, 465501.	1.3	15
16	Metal-organic framework-derived Co ₃ O ₄ /CoFe ₂ O ₄ double-shelled nanocubes for selective detection of sub-ppm-level formaldehyde. <i>Sensors and Actuators B: Chemical</i> , 2019, 298, 126887.	4.0	62
17	Synthesis of CuO-CdS composite nanowires and their ultrasensitive ethanol sensing properties. <i>Inorganic Chemistry Frontiers</i> , 2019, 6, 238-247.	3.0	27
18	Highly efficient polymer solar cells based on low-temperature processed ZnO: application of a bifunctional Au@CNTs nanocomposite. <i>Journal of Materials Chemistry C</i> , 2019, 7, 2676-2685.	2.7	9

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19	Oxygen vacancies dominated CuO@ZnFe ₂ O ₄ yolk-shell microspheres for robust and selective detection of xylene. <i>Sensors and Actuators B: Chemical</i> , 2019, 295, 117-126.	4.0	47
20	Metal-organic framework derived core-shell PrFeO ₃ -functionalized γ -Fe ₂ O ₃ nano-octahedrons as high performance ethyl acetate sensors. <i>Sensors and Actuators B: Chemical</i> , 2019, 297, 126738.	4.0	27
21	Delicate Energy-Level Adjustment and Interfacial Defect Passivation of ZnO Electron Transport Layers in Organic Solar Cells by Constructing ZnO/In Nanojunctions. <i>Journal of Physical Chemistry C</i> , 2019, 123, 16546-16555.	1.5	16
22	Excellent Gas Sensing of CdS Nanowires Decorated with Ag Nanoparticles. <i>Journal of Nanoscience and Nanotechnology</i> , 2019, 19, 7083-7088.	0.9	4
23	Synthesis of sea urchin-like microsphere of CdS and its gas sensing properties. <i>Materials Science and Engineering B: Solid-State Materials for Advanced Technology</i> , 2019, 243, 206-213.	1.7	14
24	Hierarchical Co ₃ O ₄ @NiMoO ₄ core-shell nanowires for chemiresistive sensing of xylene vapor. <i>Mikrochimica Acta</i> , 2019, 186, 222.	2.5	26
25	Enhanced Electronic Quality of Perovskite via a Novel C ₆₀ -o-Quinodimethane Bisadducts toward Efficient and Stable Perovskite Solar Cells. <i>ACS Sustainable Chemistry and Engineering</i> , 2019, 7, 8579-8586.	3.2	12
26	Built-in electric field promotes photoexcitation separation and depletion of most carriers in TiO ₂ :C UV detectors. <i>Nanotechnology</i> , 2019, 30, 295502.	1.3	13
27	Fe ₂ O ₃ nanoparticles-decorated MoO ₃ nanobelts for enhanced chemiresistive gas sensing. <i>Journal of Alloys and Compounds</i> , 2019, 782, 672-678.	2.8	60
28	Modulated charge transport characteristics in solution-processed UV photodetector by incorporating localized built-in electric field. <i>Journal of Alloys and Compounds</i> , 2019, 774, 887-895.	2.8	5
29	Facilitated extrinsic majority carrier depletion and photogenerated exciton dissociation in an annealing-free ZnO:C photodetector. <i>Nanoscale</i> , 2018, 10, 6459-6466.	2.8	12
30	Coordination Polymer-Derived Multishelled Mixed Ni-Co Oxide Microspheres for Robust and Selective Detection of Xylene. <i>ACS Applied Materials & Interfaces</i> , 2018, 10, 15314-15321.	4.0	64
31	The significant improvement for BTX (benzene, toluene and xylene) sensing performance based on Au-decorated hierarchical ZnO porous rose-like architectures. <i>Sensors and Actuators B: Chemical</i> , 2018, 262, 86-94.	4.0	53
32	Trapped-Electron-Induced Hole Injection in Perovskite Photodetector with Controllable Gain. <i>Advanced Optical Materials</i> , 2018, 6, 1701189.	3.6	27
33	Synthesis and characterization of Cr-doped WO ₃ nanofibers for conductometric sensors with high xylene sensitivity. <i>Sensors and Actuators B: Chemical</i> , 2018, 265, 355-364.	4.0	60
34	Self-template derived ZnFe ₂ O ₄ double-shell microspheres for chemiresistive gas sensing. <i>Sensors and Actuators B: Chemical</i> , 2018, 265, 625-631.	4.0	64
35	Synthesis of hierarchical 3D porous ZnO microspheres decorated by ultra-small Au nanoparticles and its highly enhanced acetylene gas sensing ability. <i>Journal of Alloys and Compounds</i> , 2018, 731, 1029-1036.	2.8	36
36	Incorporating deep electron traps into perovskite devices: towards high efficiency solar cells and fast photodetectors. <i>Journal of Materials Chemistry A</i> , 2018, 6, 21039-21046.	5.2	8

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37	Using a facile processing method to facilitate charge extraction for polymer solar cells. <i>Journal of Materials Chemistry C</i> , 2018, 6, 11045-11051.	2.7	3
38	A PFTBT modified visible-blind ultraviolet photodetector with a narrow detecting range and high responsivity. <i>Nanotechnology</i> , 2018, 29, 465501.	1.3	2
39	On the high response towards TEA of gas sensors based on Ag-loaded 3D porous ZnO microspheres. <i>Sensors and Actuators B: Chemical</i> , 2018, 270, 492-499.	4.0	124
40	Employing Pentacene To Balance the Charge Transport in Inverted Organic Solar Cells. <i>Journal of Physical Chemistry C</i> , 2018, 122, 17110-17117.	1.5	6
41	Improved gas sensing properties of silver-functionalized ZnSnO ₃ hollow nanocubes. <i>Inorganic Chemistry Frontiers</i> , 2018, 5, 2123-2131.	3.0	56
42	Self-sacrificing templated formation of Co ₃ O ₄ /ZnCo ₂ O ₄ composite hollow nanostructures for highly sensitive detecting acetone vapor. <i>Sensors and Actuators B: Chemical</i> , 2018, 273, 1202-1210.	4.0	69
43	Suppressing TiO ₂ /Perovskite Interfacial Electron Trapping in Perovskite Solar Cell for Efficient Charge Extraction and Improved Device Performance. <i>ACS Sustainable Chemistry and Engineering</i> , 2018, 6, 11295-11302.	3.2	18
44	Polyelectrolyte interlayers with a broad processing window for high efficiency inverted organic solar cells towards mass production. <i>Journal of Materials Chemistry A</i> , 2018, 6, 17662-17670.	5.2	13
45	Self-Sacrificial Template-Driven LaFeO ₃ /Fe ₂ O ₃ Porous Nano-Octahedrons for Acetone Sensing. <i>ACS Applied Nano Materials</i> , 2018, 1, 4671-4681.	2.4	65
46	The role of polymer dots on efficiency enhancement of organic solar cells: Improving charge transport property. <i>Optics Communications</i> , 2017, 395, 127-132.	1.0	6
47	An easily prepared carbon quantum dots and employment for inverted organic photovoltaic devices. <i>Chemical Engineering Journal</i> , 2017, 315, 621-629.	6.6	33
48	Combining plasmonic trap filling and optical backscattering for highly efficient third generation solar cells. <i>Journal of Materials Chemistry A</i> , 2017, 5, 3995-4002.	5.2	19
49	Improved gas sensing performance with Pd-doped WO ₃ ·H ₂ O nanomaterials for the detection of xylene. <i>Sensors and Actuators B: Chemical</i> , 2017, 244, 837-848.	4.0	50
50	Boosted Electron Transport and Enlarged Built-In Potential by Eliminating the Interface Barrier in Organic Solar Cells. <i>ACS Applied Materials & Interfaces</i> , 2017, 9, 8830-8837.	4.0	25
51	Interface passivation and electron transport improvement of polymer solar cells through embedding a polyfluorene layer. <i>Physical Chemistry Chemical Physics</i> , 2017, 19, 15207-15214.	1.3	8
52	Organics filled one-dimensional TiO ₂ nanowires array ultraviolet detector with enhanced photo-conductivity and dark-resistivity. <i>Nanoscale</i> , 2017, 9, 9095-9103.	2.8	22
53	Decreased Charge Transport Barrier and Recombination of Organic Solar Cells by Constructing Interfacial Nanojunction with Annealing-Free ZnO and Al Layers. <i>ACS Applied Materials & Interfaces</i> , 2017, 9, 22068-22075.	4.0	28
54	Dual Roles of the Fullerene Interlayer on Light Harvesting and Electron Transfer for Highly Efficient Polymer Solar Cells. <i>Journal of Physical Chemistry C</i> , 2017, 121, 8722-8730.	1.5	4

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55	Annealing-Free ZnO:PEI Composite Cathode Interfacial Layer for Efficient Organic Solar Cells. ACS Photonics, 2017, 4, 2952-2958.	3.2	32
56	Increasing the fill factor of inverted polymer bulk heterojunction solar cells by doping PVP modified NaYF ₄ nanoparticles. Integrated Ferroelectrics, 2017, 180, 168-174.	0.3	0
57	Orienting the Microstructure Evolution of Copper Phthalocyanine as an Anode Interlayer in Inverted Polymer Solar Cells for High Performance. ACS Applied Materials & Interfaces, 2017, 9, 32044-32053.	4.0	6
58	Enhanced Photovoltaic Performance of Tetrazine-Based Small Molecules with Conjugated Side Chains. ACS Sustainable Chemistry and Engineering, 2017, 5, 8684-8692.	3.2	10
59	Preparation of three-dimensional Ce-doped Sn ₃ O ₄ hierarchical microsphere and its application on formaldehyde gas sensor. Journal of Alloys and Compounds, 2017, 726, 1092-1100.	2.8	41
60	Synthesis of Ni-doped λ -MoO ₃ nanolamella and their improved gas sensing properties. Sensors and Actuators B: Chemical, 2017, 252, 757-763.	4.0	65
61	Enhanced ethyl acetate sensing performance of Al-doped In ₂ O ₃ microcubes. Sensors and Actuators B: Chemical, 2017, 253, 461-469.	4.0	45
62	The effect of self-depleting in UV photodetector based on simultaneously fabricated TiO ₂ /NiO pn heterojunction and Ni/Au composite electrode. Nanotechnology, 2017, 28, 365505.	1.3	20
63	One-step synthesis and gas sensing properties of hierarchical Fe doped Co ₃ O ₄ nanostructures. Journal of Alloys and Compounds, 2017, 723, 779-786.	2.8	52
64	Synthesis of SnO ₂ nano-dodecahedrons with high-energy facets and their sensing properties to SO ₂ at low temperature. Journal of Alloys and Compounds, 2017, 723, 595-601.	2.8	40
65	High sensitive and fast formaldehyde gas sensor based on Ag-doped LaFeO ₃ nanofibers. Journal of Alloys and Compounds, 2017, 695, 1122-1127.	2.8	102
66	High performance humidity sensor based on metal organic framework MIL-101(Cr) nanoparticles. Journal of Alloys and Compounds, 2017, 695, 520-525.	2.8	82
67	Improved performance of inverted polymer solar cells using Cd ₂ SSe/ZnS quantum dots. Materials Letters, 2017, 188, 244-247.	1.3	1
68	Xylene gas sensor based on Au-loaded WO ₃ ·H ₂ O nanocubes with enhanced sensing performance. Sensors and Actuators B: Chemical, 2017, 238, 364-373.	4.0	118
69	Improving the charge carrier transport of organic solar cells by incorporating a deep energy level molecule. Physical Chemistry Chemical Physics, 2017, 19, 245-250.	1.3	22
70	Research of dual-band microwave photonic filter for WLAN based on optical frequency comb. Applied Optics, 2016, 55, 5520.	2.1	6
71	An organosilane self-assembled monolayer incorporated into polymer solar cells enabling interfacial coherence to improve charge transport. Physical Chemistry Chemical Physics, 2016, 18, 16005-16012.	1.3	5
72	Enhanced electron extraction capability of polymer solar cells via modifying the cathode buffer layer with inorganic quantum dots. Physical Chemistry Chemical Physics, 2016, 18, 11435-11442.	1.3	9

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73	Small molecules based on tetrazine unit for efficient performance solution-processed organic solar cells. <i>Solar Energy Materials and Solar Cells</i> , 2016, 155, 30-37.	3.0	18
74	Versatile dual organic interface layer for performance enhancement of polymer solar cells. <i>Journal of Power Sources</i> , 2016, 333, 99-106.	4.0	17
75	Optimization of PDTS-DTffBT-Based Solar Cell Performance through Control of Polymer Molecular Weight. <i>Journal of Physical Chemistry C</i> , 2016, 120, 19513-19520.	1.5	8
76	Performance enhancement of organic photovoltaic devices enabled by Au nanoarrows inducing surface plasmonic resonance effect. <i>Physical Chemistry Chemical Physics</i> , 2016, 18, 24285-24289.	1.3	10
77	Synthesis and enhanced gas sensing properties of Au-nanoparticle decorated CdS nanowires. <i>RSC Advances</i> , 2016, 6, 70907-70912.	1.7	23
78	One-step synthesis and the enhanced xylene-sensing properties of Fe-doped MoO ₃ nanobelts. <i>RSC Advances</i> , 2016, 6, 106364-106369.	1.7	31
79	Mechanism of Polyfluorene Interlayer in Ultraviolet Photodetector: Barrier-Blocking Electron Transport and Light-Inducing Hole Injection. <i>Journal of Physical Chemistry C</i> , 2016, 120, 26103-26109.	1.5	7
80	Fabrication of Sm-doped porous In ₂ O ₃ nanotubes and their excellent formaldehyde-sensing properties. <i>Journal of Materials Science: Materials in Electronics</i> , 2016, 27, 9870-9876.	1.1	9
81	Employing inorganic/organic hybrid interface layer to improve electron transfer for inverted polymer solar cells. <i>Electrochimica Acta</i> , 2016, 210, 874-879.	2.6	4
82	Efficiency Improvement of Organic Solar Cells via Introducing Combined Anode Buffer Layer To Facilitate Hole Extraction. <i>Journal of Physical Chemistry C</i> , 2016, 120, 13954-13962.	1.5	16
83	Enhanced Electron Extraction Capability of Polymer Solar Cells via Employing Electrostatically Self-Assembled Molecule on Cathode Interfacial Layer. <i>ACS Applied Materials & Interfaces</i> , 2016, 8, 8224-8231.	4.0	29
84	Performance Improvement of Polymer Solar Cells by Surface-Energy-Induced Dual Plasmon Resonance. <i>ACS Applied Materials & Interfaces</i> , 2016, 8, 6183-6189.	4.0	46
85	Hydrothermal synthesis and enhanced xylene-sensing properties of pompon-like Cr-doped Co ₃ O ₄ hierarchical nanostructures. <i>RSC Advances</i> , 2016, 6, 22889-22895.	1.7	24
86	Applications for rapid formaldehyde nanoreactor with hierarchical and spherical structure. <i>Sensors and Actuators B: Chemical</i> , 2016, 227, 475-481.	4.0	8
87	Unique Gold Nanorods Embedded Active Layer Enabling Strong Plasmonic Effect To Improve the Performance of Polymer Photovoltaic Devices. <i>Journal of Physical Chemistry C</i> , 2016, 120, 6198-6205.	1.5	32
88	Enhanced toluene sensing performance of gold-functionalized WO ₃ ·H ₂ O nanosheets. <i>Sensors and Actuators B: Chemical</i> , 2016, 223, 761-767.	4.0	58
89	Three dimensions sphere formaldehyde nanosensor applications: preparation and sensing properties. <i>RSC Advances</i> , 2015, 5, 50336-50343.	1.7	14
90	Synthesis and photovoltaic properties of dithieno[3,2-b:2',3'-d]silole-based conjugated copolymers. <i>Journal of Materials Chemistry A</i> , 2015, 3, 13794-13800.	5.2	18

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91	Humidity sensing properties of CeO ₂ @NiO nanocomposite materials. Journal of Materials Science: Materials in Electronics, 2015, 26, 3083-3089.	1.1	4
92	Visible-light photodetector with enhanced performance based on a ZnO@CdS heterostructure. Journal of Materials Chemistry C, 2015, 3, 2231-2236.	2.7	43
93	Improved color rendering index of low band gap semi-transparent polymer solar cells using one-dimensional photonic crystals. RSC Advances, 2015, 5, 54638-54644.	1.7	14
94	Single passband microwave photonic filter with high selectivity and large tunable range. Optical and Quantum Electronics, 2015, 47, 1589-1597.	1.5	4
95	Xylene sensor based on In_2MoO_7 nanobelts with fast response and low operating temperature. RSC Advances, 2015, 5, 18655-18659.	1.7	33
96	Special nanostructure control of ethanol sensing characteristics based on Au@In ₂ O ₃ sensor with good selectivity and rapid response. RSC Advances, 2015, 5, 9884-9890.	1.7	40
97	Humidity sensor based on AlPO ₄₋₅ zeolite with high responsivity and its sensing mechanism. Sensors and Actuators B: Chemical, 2015, 212, 242-247.	4.0	20
98	Improving the efficiency of inverted polymer solar cells by introducing inorganic dopants. Physical Chemistry Chemical Physics, 2015, 17, 7960-7965.	1.3	20
99	Highly stabilized and rapid sensing acetone sensor based on Au nanoparticle-decorated flower-like ZnO microstructures. Journal of Alloys and Compounds, 2015, 650, 37-44.	2.8	55
100	Improved Power Conversion Efficiency of Inverted Organic Solar Cells by Incorporating Au Nanorods into Active Layer. ACS Applied Materials & Interfaces, 2015, 7, 15848-15854.	4.0	20
101	The preparation of Cr ₂ O ₃ @WO ₃ hierarchical nanostructures and their application in the detection of volatile organic compounds (VOCs). RSC Advances, 2015, 5, 61528-61534.	1.7	23
102	A new type of acetylene gas sensor based on a hollow heterostructure. RSC Advances, 2015, 5, 61521-61527.	1.7	32
103	The study of an ultrawide tunable range single passband microwave photonic notch filter. Optik, 2015, 126, 2512-2517.	1.4	1
104	Efficiency Improvement of Inverted Organic Solar Cells via Introducing a Series of Polyfluorene Dots in Electron Transport Layer. Journal of Physical Chemistry C, 2015, 119, 16462-16467.	1.5	2
105	Highly Efficient Semitransparent Polymer Solar Cells with Color Rendering Index Approaching 100 Using One-Dimensional Photonic Crystal. ACS Applied Materials & Interfaces, 2015, 7, 9920-9928.	4.0	81
106	Synergistically improved formaldehyde gas sensing properties of SnO ₂ microspheres by indium and palladium co-doping. Ceramics International, 2015, 41, 7329-7336.	2.3	55
107	Unraveling the effect of polymer dots doping in inverted low bandgap organic solar cells. Physical Chemistry Chemical Physics, 2015, 17, 16086-16091.	1.3	6
108	Humidity sensing properties of SrTiO ₃ nanospheres with high sensitivity and rapid response. RSC Advances, 2015, 5, 22879-22883.	1.7	16

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109	Highly Efficient Low-Bandgap Polymer Solar Cells with Solution-Processed and Annealing-Free Phosphomolybdic Acid as Hole-Transport Layers. ACS Applied Materials & Interfaces, 2015, 7, 5367-5372.	4.0	52
110	Xylene gas sensor based on Ni doped TiO ₂ bowl-like submicron particles with enhanced sensing performance. RSC Advances, 2015, 5, 28105-28110.	1.7	43
111	Xylene gas sensor based on $\text{In-MoO}_3/\text{In-Fe}_2\text{O}_3$ heterostructure with high response and low operating temperature. RSC Advances, 2015, 5, 39442-39448.	1.7	60
112	Enhancing the light-harvesting and charge transport properties of polymer solar cells by embedding NaLuF ₄ :Yb,Tm nanorods. RSC Advances, 2015, 5, 32891-32896.	1.7	8
113	Enhanced performance of a TiO ₂ ultraviolet detector modified with graphene oxide. RSC Advances, 2015, 5, 83795-83800.	1.7	25
114	Synthesis and highly enhanced acetylene sensing properties of Au nanoparticle-decorated hexagonal ZnO nanorings. RSC Advances, 2015, 5, 87132-87138.	1.7	20
115	The Performance Enhancement of Polymer Solar Cells by Introducing Cadmium-Free Quantum Dots. Journal of Physical Chemistry C, 2015, 119, 26747-26752.	1.5	25
116	The operation mechanism of poly(9,9-dioctylfluorenyl-2,7-diyl) dots in high efficiency polymer solar cells. Applied Physics Letters, 2015, 106, .	1.5	4
117	Optically tunable frequency-sextupling optoelectronic oscillator based on Brillouin gain-loss compensation and carrier phase-shifted double sideband modulation. Optical and Quantum Electronics, 2015, 47, 3455-3465.	1.5	4
118	Low-temperature synthesis of WO ₃ nanolamella and their sensing properties for xylene. RSC Advances, 2015, 5, 85598-85605.	1.7	15
119	Surface Plasmon Resonance Enhanced Polymer Solar Cells by Thermally Evaporating Au into Buffer Layer. ACS Applied Materials & Interfaces, 2015, 7, 18866-18871.	4.0	45
120	Preparation of Pd nanoparticle-decorated hollow SnO ₂ nanofibers and their enhanced formaldehyde sensing properties. Journal of Alloys and Compounds, 2015, 651, 690-698.	2.8	99
121	High performance ultraviolet detector based on SrTiO ₃ /TiO ₂ heterostructure fabricated by two steps in situ hydrothermal method. Journal of Alloys and Compounds, 2015, 650, 97-101.	2.8	20
122	Improved Efficiency in Dithieno[3,2-b:2',3'-d]silole-Based Polymer Solar Cells by the Insertion of ZnO Optical Spacer. Journal of Physical Chemistry C, 2015, 119, 20817-20822.	1.5	13
123	Gas Sensors Based on Metal Sulfide Zn _{1-x} Cd _x S Nanowires with Excellent Performance. ACS Applied Materials & Interfaces, 2015, 7, 20793-20800.	4.0	60
124	Hexagonal ZnO nanorings: synthesis, formation mechanism and trimethylamine sensing properties. RSC Advances, 2015, 5, 80561-80567.	1.7	38
125	Humidity sensing properties of MoO ₃ -NiO nanocomposite materials. Ceramics International, 2015, 41, 4348-4353.	2.3	26
126	Bandwidth reconfigurable microwave photonic filter based on stimulated Brillouin scattering. Optical Fiber Technology, 2015, 21, 187-192.	1.4	4

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127	Enhanced H ₂ S sensing characteristics of CuO-NiO core-shell microspheres sensors. <i>Sensors and Actuators B: Chemical</i> , 2015, 209, 515-523.	4.0	177
128	Electrospun nanofibers of p-type NiO/n-type ZnO heterojunction with different NiO content and its influence on trimethylamine sensing properties. <i>Sensors and Actuators B: Chemical</i> , 2015, 207, 90-96.	4.0	91
129	High performance ultraviolet detector based on TiO ₂ /ZnO heterojunction. <i>Journal of Alloys and Compounds</i> , 2015, 618, 551-554.	2.8	51
130	Ultraviolet detector based on TiO ₂ nanowire array-polymer hybrids with low dark current. <i>Journal of Alloys and Compounds</i> , 2015, 618, 233-235.	2.8	27
131	The Role of Fe ₃ O ₄ Nanocrystal Film in Bilayer-Heterojunction CuPc/C ₆₀ Solar Cells. <i>Journal of Nanoscience and Nanotechnology</i> , 2014, 14, 3623-3626.	0.9	0
132	The role of Au nanorods in highly efficient inverted low bandgap polymer solar cells. <i>Applied Physics Letters</i> , 2014, 105, 223305.	1.5	12
133	Preparation and Ethanol Sensing Properties of In ₂ O ₃ Nanotubes. <i>Journal of Nanoscience and Nanotechnology</i> , 2014, 14, 3653-3657.	0.9	5
134	Photovoltaic Properties of Zr ₂ Ti _{1-x} O ₂ Solid Solution Nanowire Arrays. <i>Journal of Nanoscience and Nanotechnology</i> , 2014, 14, 3731-3734.	0.9	5
135	Solar-Blind Photodetector Based on LaAlO ₃ with Low Dark Current. <i>Journal of Nanoscience and Nanotechnology</i> , 2014, 14, 3827-3830.	0.9	5
136	Application of Solution-Processed V ₂ O ₅ in Inverted Polymer Solar Cells Based on Fluorine-Doped Tin Oxide Substrate. <i>Journal of Nanoscience and Nanotechnology</i> , 2014, 14, 4214-4217.	0.9	10
137	Excellent gas sensing and optical properties of single-crystalline cadmium sulfide nanowires. <i>RSC Advances</i> , 2014, 4, 61691-61697.	1.7	44
138	Light harvesting enhancement toward low IPCE region of semitransparent polymer solar cells via one-dimensional photonic crystal reflectors. <i>Solar Energy Materials and Solar Cells</i> , 2014, 127, 27-32.	3.0	24
139	Design of thermo-optic tunable optical filter based on Si/Air DBR and polymer Fabry-Perot microcavity in SOI. <i>Optik</i> , 2014, 125, 2885-2890.	1.4	5
140	Hierarchical Fe ₃ O ₄ @Co ₃ O ₄ core-shell microspheres: Preparation and acetone sensing properties. <i>Sensors and Actuators B: Chemical</i> , 2014, 199, 346-353.	4.0	98
141	Effects of surface self-assembled NH ₄ ⁺ on the performance of TiO ₂ -based ultraviolet photodetectors. <i>Journal of Alloys and Compounds</i> , 2014, 601, 104-107.	2.8	17
142	Humidity sensing properties of FeCl ₃ -NH ₂ -MIL-125(Ti) composites. <i>Sensors and Actuators B: Chemical</i> , 2014, 201, 281-285.	4.0	34
143	Highly efficient and high transmittance semitransparent polymer solar cells with one-dimensional photonic crystals as distributed Bragg reflectors. <i>Organic Electronics</i> , 2014, 15, 470-477.	1.4	45
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