

# Cao Bingqiang

## List of Publications by Year in Descending Order

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The third column is the impact factor (IF) of the journal, and the fourth column is the number of citations of the article.

203  
papers

9,152  
citations

55  
h-index

89  
g-index

211  
ext. papers

10,505  
ext. citations

6  
avg, IF

6.34  
L-index

#	Paper	IF	Citations
203	An ultrahigh 84.3% fill factor for efficient CH <sub>3</sub> NH <sub>3</sub> PbI <sub>3</sub> P-i-N perovskite film solar cell. <i>Solar Energy</i> , <b>2022</b> , 233, 271-277	6.8	0
202	Cr <sub>2</sub> O <sub>3</sub> interlayer at TiO <sub>2</sub> /perovskite interface propelling the efficiency improvement of perovskite solar cells. <i>Surfaces and Interfaces</i> , <b>2022</b> , 29, 101761	4.1	0
201	A magnet-renewable electroanalysis strategy for hydrogen sulfide in aquaculture freshwater using magnetic silver metal-organic frameworks.. <i>Analytica Chimica Acta</i> , <b>2022</b> , 1195, 339450	6.6	0
200	Stable CsPbX <sub>3</sub> mixed halide alloyed epitaxial films prepared by pulsed laser deposition. <i>Applied Physics Letters</i> , <b>2022</b> , 120, 112109	3.4	1
199	Bi <sup>3+</sup> and Eu <sup>3+</sup> co-doped CsPbCl <sub>3</sub> perovskite quantum dots with efficient controllable blue emission via energy transfer. <i>Journal of Luminescence</i> , <b>2022</b> , 247, 118901	3.8	0
198	Optimized Charge Transport Channel Enables Thick-Film All-Small-Molecule Organic Solar Cells. <i>Energy &amp; Fuels</i> , <b>2021</b> , 35, 19756-19764	4.1	
197	Encapsulated ruthenium nanoparticles activated few-layer carbon frameworks as high robust oxygen evolution electrocatalysts in acidic media.. <i>Journal of Colloid and Interface Science</i> , <b>2021</b> , 612, 488-495	9.3	0
196	Interfacial Assembled CeO <sub>2</sub> /[email protected] Carbon Hollow Nanohybrids for High-Performance Lithium-Sulfur Batteries. <i>ACS Sustainable Chemistry and Engineering</i> , <b>2021</b> , 9, 14451-14460	8.3	6
195	Tuning Jahn-Teller distortion and electron localization of LaMnO <sub>3</sub> epitaxial films via substrate temperature. <i>Journal Physics D: Applied Physics</i> , <b>2021</b> , 54, 235302	3	1
194	Preparation of {200} crystal faced SnO <sub>2</sub> nanorods with extremely high gas sensitivity at lower temperature. <i>Rare Metals</i> , <b>2021</b> , 40, 2004-2016	5.5	7
193	A highly selective and recyclable sensor for the electroanalysis of phosphothioate pesticides using silver-doped ZnO nanorods arrays. <i>Analytica Chimica Acta</i> , <b>2021</b> , 1152, 338285	6.6	8
192	Ultrasmall CsPbBr <sub>3</sub> Quantum Dots with Bright and Wide Blue Emissions. <i>Physica Status Solidi - Rapid Research Letters</i> , <b>2021</b> , 15, 2100134	2.5	3
191	Large-area CsPbBr <sub>3</sub> perovskite films grown with effective one-step RF-magnetron sputtering. <i>Journal of Applied Physics</i> , <b>2021</b> , 129, 245303	2.5	3
190	Corncob cellulose-derived hierarchical porous carbon for high performance supercapacitors. <i>Journal of Power Sources</i> , <b>2021</b> , 484, 229221	8.9	18
189	High-performance Bi <sub>2</sub> O <sub>3</sub> -NC anodes through constructing carbon shells and oxygen vacancies for flexible battery-supercapacitor hybrid devices. <i>Nanoscale Advances</i> , <b>2021</b> , 3, 593-603	5.1	3
188	One-step in-situ laser irradiation for unique flocculent carbon network-twined C/Si/SiC composite structure. <i>Ceramics International</i> , <b>2021</b> , 47, 7101-7105	5.1	0
187	Postpassivation of Cs(FAMA)Pb(IBr) Perovskite Films with Tris(pentafluorophenyl)borane. <i>ACS Applied Materials &amp; Interfaces</i> , <b>2021</b> , 13, 2472-2482	9.5	15

186	Laurionite Competes with 2D Ruddlesden-Popper Perovskites During the Saturation Recrystallization Process. <i>ACS Applied Materials &amp; Interfaces</i> , <b>2021</b> , 13, 6505-6514	9.5	2
185	Enhanced photocurrent of perovskite solar cells by dual-sensitized [NaYF <sub>4</sub> :Nd <sup>3+</sup> /Yb <sup>3+</sup> /Er <sup>3+</sup> + up-conversion nanoparticles. <i>Chemical Physics Letters</i> , <b>2021</b> , 763, 138253	2.5	9
184	Plasmonic Au Nanooctahedrons Enhance Light Harvesting and Photocarrier Extraction in Perovskite Solar Cell. <i>ACS Applied Energy Materials</i> , <b>2021</b> , 4, 3201-3209	6.1	9
183	Enhancing the bulk photovoltaic effect by tuning domain walls in epitaxial BiFeO <sub>3</sub> films. <i>Nanotechnology</i> , <b>2021</b> , 32,	3.4	2
182	Electrochemically constructing V-doped BiFeO <sub>3</sub> nanoflake network anodes for flexible asymmetric micro-supercapacitors. <i>Electrochimica Acta</i> , <b>2021</b> , 393, 139079	6.7	0
181	Photoinduced defect engineering: enhanced photocatalytic performance of 3D BiOCl nanoclusters with abundant oxygen vacancies. <i>CrystEngComm</i> , <b>2021</b> , 23, 1305-1311	3.3	4
180	Aqueous phase fabrication and conversion of Pb(OH)Br into a CH <sub>3</sub> NH <sub>3</sub> PbBr <sub>3</sub> perovskite and its application in resistive memory switching devices. <i>Green Chemistry</i> , <b>2020</b> , 22, 3608-3614	10	7
179	Oxygen-deficient BiFeO <sub>3</sub> -NC nanoflake anodes for flexible battery-supercapacitor hybrid devices with high voltage and long-term stability. <i>Chemical Engineering Journal</i> , <b>2020</b> , 397, 125524	14.7	16
178	Combustion procedure deposited SnO <sub>2</sub> electron transport layers for high efficient perovskite solar cells. <i>Journal of Alloys and Compounds</i> , <b>2020</b> , 844, 156032	5.7	23
177	Electrospun ZnFe <sub>2</sub> O <sub>4</sub> /carbon nanofibers as high-rate supercapacitor electrodes. <i>Journal of Power Sources</i> , <b>2020</b> , 469, 228416	8.9	23
176	A Review of Redox Electrolytes for Supercapacitors. <i>Frontiers in Chemistry</i> , <b>2020</b> , 8, 413	5	26
175	Doping Nitrogen into Q-Graphene by Plasma Treatment toward Peroxidase Mimics with Enhanced Catalysis. <i>Analytical Chemistry</i> , <b>2020</b> , 92, 5152-5157	7.8	19
174	Quantum size effect and surface defect passivation in size-controlled CsPbBr <sub>3</sub> quantum dots. <i>Journal of Alloys and Compounds</i> , <b>2020</b> , 831, 154834	5.7	5
173	Ultrastable Laurionite Spontaneously Encapsulates Reduced-dimensional Lead Halide Perovskites. <i>Nano Letters</i> , <b>2020</b> , 20, 2316-2325	11.5	13
172	Efficient Laser-Induced Construction of Oxygen-Vacancy Abundant Nano-ZnCo O /Porous Reduced Graphene Oxide Hybrids toward Exceptional Capacitive Lithium Storage. <i>Small</i> , <b>2020</b> , 16, e2001526	11	26
171	Unexpected red emission from Cs <sub>4</sub> PbI <sub>6</sub> nanocrystals. <i>Journal of Materials Chemistry A</i> , <b>2020</b> , 8, 5952-5958	5	9
170	Stable CsPbBr <sub>3</sub> :[email protected] <sub>2</sub> and Cs <sub>4</sub> PbBr <sub>6</sub> :[email protected] <sub>2</sub> Core/Shell Quantum Dots with Tunable Color Emission for Light-Emitting Diodes. <i>ACS Applied Nano Materials</i> , <b>2020</b> , 3, 3019-3027	5.6	20
169	Good triethylamine sensing properties of Au@MoS <sub>2</sub> nanostructures directly grown on ceramic tubes. <i>Materials Chemistry and Physics</i> , <b>2020</b> , 245, 122683	4.4	11

168	Highly conductive n-type CH <sub>3</sub> NH <sub>3</sub> PbI <sub>3</sub> single crystals doped with bismuth donors. <i>Journal of Materials Chemistry C</i> , <b>2020</b> , 8, 3694-3704	7.1	13
167	Mono-dispersed Ag/Graphene nanocomposite as lubricant additive to reduce friction and wear. <i>Tribology International</i> , <b>2020</b> , 146, 106228	4.9	33
166	Photoluminescence enhancement of perovskite CsPbBr <sub>3</sub> quantum dots by plasmonic Au nanorods. <i>Chemical Physics</i> , <b>2020</b> , 530, 110627	2.3	13
165	Colorimetric determination of the activity of alkaline phosphatase by exploiting the oxidase-like activity of palladium cube@CeO core-shell nanoparticles. <i>Mikrochimica Acta</i> , <b>2020</b> , 187, 115	5.8	17
164	Study on the Mn-doped CsPbCl <sub>3</sub> perovskite nanocrystals with controllable dual-color emission via energy transfer. <i>Journal of Alloys and Compounds</i> , <b>2020</b> , 821, 153568	5.7	8
163	Single Crystal Perovskite Solar Cells: Development and Perspectives. <i>Advanced Functional Materials</i> , <b>2020</b> , 30, 1905021	15.6	100
162	Single-Solvent, Ligand-Free, Gram-Scale Synthesis of Cs <sub>4</sub> PbBr <sub>6</sub> Perovskite Solids with Robust Green Photoluminescence. <i>ChemNanoMat</i> , <b>2020</b> , 6, 258-266	3.5	4
161	Highly Conductive P-Type MAPbI Films and Crystals via Sodium Doping. <i>Frontiers in Chemistry</i> , <b>2020</b> , 8, 754	5	10
160	Polarization-enhanced bulk photovoltaic effect of BiFeO <sub>3</sub> epitaxial film under standard solar illumination. <i>Physics Letters, Section A: General, Atomic and Solid State Physics</i> , <b>2020</b> , 384, 126831	2.3	6
159	Corncob-Derived Hierarchical Porous Activated Carbon for High-Performance Lithium-Ion Capacitors. <i>Energy &amp; Fuels</i> , <b>2020</b> , 34, 16885-16892	4.1	4
158	Progress and perspective on CsPbX <sub>3</sub> nanocrystals for light emitting diodes and solar cells. <i>Journal of Applied Physics</i> , <b>2020</b> , 128, 050903	2.5	10
157	Lithium Storage: Efficient Laser-Induced Construction of Oxygen-Vacancy Abundant Nano-ZnCo <sub>2</sub> O <sub>4</sub> /Porous Reduced Graphene Oxide Hybrids toward Exceptional Capacitive Lithium Storage (Small 32/2020). <i>Small</i> , <b>2020</b> , 16, 2070179	11	1
156	From energy harvesting to topologically insulating behavior: ABO <sub>3</sub> -type epitaxial thin films and superlattices. <i>Journal of Materials Chemistry C</i> , <b>2020</b> , 8, 15575-15596	7.1	8
155	Improving the performances of CsPbBr <sub>3</sub> solar cells fabricated in ambient condition. <i>Journal of Materials Science: Materials in Electronics</i> , <b>2020</b> , 31, 21154-21167	2.1	5
154	Zwitterion-Stabilizing Scalable Bladed $\eta$ -Phase Cs <sub>0.1</sub> FA <sub>0.9</sub> PbI <sub>3</sub> Films for Efficient Inverted Planar Perovskite Solar Cells. <i>ACS Sustainable Chemistry and Engineering</i> , <b>2020</b> , 8, 7020-7030	8.3	16
153	Enhanced performance of TiO <sub>2</sub> -based planar perovskite solar cells by In <sub>2</sub> O <sub>3</sub> interfacial modification layer. <i>Organic Electronics</i> , <b>2019</b> , 75, 105426	3.5	8
152	Enhanced Triethylamine Sensing Properties by Designing an $\eta$ -Fe <sub>2</sub> O <sub>3</sub> / $\eta$ -MoO <sub>3</sub> Nanostructure Directly Grown on Ceramic Tubes. <i>ACS Applied Nano Materials</i> , <b>2019</b> , 2, 6715-6725	5.6	27
151	Three-Dimensional Mesoporous Straw-like Co <sub>3</sub> O <sub>4</sub> Anode with Enhanced Electrochemical Performance for Lithium-Ion Batteries. <i>ChemistrySelect</i> , <b>2019</b> , 4, 6879-6885	1.8	6

150	Facile fabrication of porous NiMoO <sub>4</sub> @C nanowire as high performance anode material for lithium ion batteries. <i>Ceramics International</i> , <b>2019</b> , 45, 18462-18470	5.1	17
149	Corncob-derived hierarchical porous carbons constructed by re-activation for high-rate lithium-ion capacitors. <i>New Journal of Chemistry</i> , <b>2019</b> , 43, 10103-10108	3.6	8
148	Laser induced oxygen-deficient TiO <sub>2</sub> /graphene hybrid for high-performance supercapacitor. <i>Journal of Power Sources</i> , <b>2019</b> , 431, 220-225	8.9	36
147	Hierarchical Porous Activated Carbon Obtained by a Novel Heating-Rate-Induced Method for Lithium-Ion Capacitor. <i>ChemistrySelect</i> , <b>2019</b> , 4, 5300-5307	1.8	3
146	Sealing the domain boundaries and defects passivation by Poly(acrylic acid) for scalable blading of efficient perovskite solar cells. <i>Journal of Power Sources</i> , <b>2019</b> , 426, 188-196	8.9	20
145	Thermoelectric optimization of AgBiSe <sub>2</sub> by defect engineering for room-temperature applications. <i>Physical Review B</i> , <b>2019</b> , 99,	3.3	21
144	Rod-like porous CoMoO <sub>4</sub> @C as excellent anode for high performance lithium ion battery. <i>Journal of Alloys and Compounds</i> , <b>2019</b> , 790, 891-899	5.7	24
143	Efficient and stable planar perovskite solar cells with carbon quantum dots-doped PCBM electron transport layer. <i>New Journal of Chemistry</i> , <b>2019</b> , 43, 7130-7135	3.6	22
142	Enhanced triethylamine sensing performance of Fe <sub>2</sub> O <sub>3</sub> nanoparticle/ZnO nanorod heterostructures. <i>Sensors and Actuators B: Chemical</i> , <b>2019</b> , 298, 126917	8.5	44
141	Copper submicrospheres induced by pulsed laser-irradiation with enhanced tribology properties. <i>New Journal of Chemistry</i> , <b>2019</b> , 43, 13526-13535	3.6	2
140	Ligand induced anomalous emission shift of size-controlled CsPbBr <sub>3</sub> nanocrystals. <i>Applied Physics Letters</i> , <b>2019</b> , 115, 153104	3.4	12
139	FeO Nanozymes with Aptamer-Tuned Catalysis for Selective Colorimetric Analysis of ATP in Blood. <i>Analytical Chemistry</i> , <b>2019</b> , 91, 14737-14742	7.8	62
138	Perovskite films grown with green mixed anti-solvent for highly efficient solar cells with enhanced stability. <i>Solar Energy</i> , <b>2019</b> , 181, 285-292	6.8	30
137	Engineering Two-Dimensional Pd Nanoplates with Exposed Highly Active {100} Facets Toward Colorimetric Acid Phosphatase Detection. <i>ACS Applied Materials &amp; Interfaces</i> , <b>2019</b> , 11, 47564-47570	5	34
136	Tellurium-Based Double Perovskites A <sub>2</sub> TeX <sub>6</sub> with Tunable Band Gap and Long Carrier Diffusion Length for Optoelectronic Applications. <i>ACS Energy Letters</i> , <b>2019</b> , 4, 228-234	20.1	34
135	Controllable ZnFe <sub>2</sub> O <sub>4</sub> /reduced graphene oxide hybrid for high-performance supercapacitor electrode. <i>Electrochimica Acta</i> , <b>2018</b> , 268, 20-26	6.7	36
134	Green laser irradiation-stimulated fullerene-like MoS <sub>2</sub> nanospheres for tribological applications. <i>Tribology International</i> , <b>2018</b> , 122, 119-124	4.9	15
133	Enhanced triethylamine sensing properties by fabricating Au@SnO <sub>2</sub> /Fe <sub>2</sub> O <sub>3</sub> core-shell nanoneedles directly on alumina tubes. <i>Sensors and Actuators B: Chemical</i> , <b>2018</b> , 262, 70-78	8.5	68

132	Oxygen-Vacancy Abundant Ultrafine CoO/Graphene Composites for High-Rate Supercapacitor Electrodes. <i>Advanced Science</i> , <b>2018</b> , 5, 1700659	13.6	274
131	Room-temperature, high selectivity and low-ppm-level triethylamine sensor assembled with Au decahedrons-decorated porous $\gamma$ -Fe <sub>2</sub> O <sub>3</sub> nanorods directly grown on flat substrate. <i>Sensors and Actuators B: Chemical</i> , <b>2018</b> , 268, 170-181	8.5	47
130	Tribology Properties: Laser Irradiation-Induced SiC@Graphene Sub-Microspheres: A Bioinspired Core-Shell Structure for Enhanced Tribology Properties (Adv. Mater. Interfaces 5/2018). <i>Advanced Materials Interfaces</i> , <b>2018</b> , 5, 1870021	4.6	1
129	ZnFe <sub>2</sub> O <sub>4</sub> nanoparticles-cotton derived hierarchical porous active carbon fibers for high rate-capability supercapacitor electrodes. <i>Carbon</i> , <b>2018</b> , 134, 15-21	10.4	57
128	Excess iodine as the interface recombination center limiting the open-circuit voltage of CuI-based perovskite planar solar cell. <i>Journal of Materials Science: Materials in Electronics</i> , <b>2018</b> , 29, 8838-8846	2.1	6
127	Ultrafast synthesis of SiC@graphene nanocomposites by one-step laser induced fragmentation and decomposition. <i>Ceramics International</i> , <b>2018</b> , 44, 19028-19032	5.1	4
126	Zinc as a New Dopant for NiO <sub>x</sub> -Based Planar Perovskite Solar Cells with Stable Efficiency near 20%. <i>ACS Applied Energy Materials</i> , <b>2018</b> , 1, 3947-3954	6.1	62
125	Flexible and Biocompatibility Power Source for Electronics: A Cellulose Paper Based Hole-Transport-Materials-Free Perovskite Solar Cell. <i>Solar Rrl</i> , <b>2018</b> , 2, 1800175	7.1	28
124	Laser Irradiation-Induced SiC@Graphene Sub-Microspheres: A Bioinspired Core-Shell Structure for Enhanced Tribology Properties. <i>Advanced Materials Interfaces</i> , <b>2018</b> , 5, 1700839	4.6	6
123	Large-Area Structural Color Filtering Capitalizing on Nanoporous Metal-Dielectric-Metal Configuration. <i>Nanoscale Research Letters</i> , <b>2018</b> , 13, 217	5	4
122	Monolithic perovskite/Si tandem solar cells exceeding 22% efficiency via optimizing top cell absorber. <i>Nano Energy</i> , <b>2018</b> , 53, 798-807	17.1	56
121	Reversible Band Gap Narrowing of Sn-Based Hybrid Perovskite Single Crystal with Excellent Phase Stability. <i>Angewandte Chemie - International Edition</i> , <b>2018</b> , 57, 14868-14872	16.4	35
120	Preparation of defective ZnFe <sub>2</sub> O <sub>4</sub> /graphene composites and their charge storage properties. <i>Electrochemistry Communications</i> , <b>2018</b> , 92, 19-23	5.1	20
119	A novel hetero-structure sensor based on Au/Mg-doped TiO <sub>2</sub> /SnO <sub>2</sub> nanosheets directly grown on Al <sub>2</sub> O <sub>3</sub> ceramic tubes. <i>Sensors and Actuators B: Chemical</i> , <b>2018</b> , 273, 328-335	8.5	26
118	Ultrafast ammonia-driven, microwave-assisted synthesis of nitrogen-doped graphene quantum dots and their optical properties. <i>Nanophotonics</i> , <b>2017</b> , 6, 259-267	6.3	74
117	Improving the triethylamine sensing performance based on debye length: A case study on $\gamma$ -Fe <sub>2</sub> O <sub>3</sub> @NiO(CuO) core-shell nanorods sensor working at near room-temperature. <i>Sensors and Actuators B: Chemical</i> , <b>2017</b> , 245, 375-385	8.5	58
116	Double-activated porous carbons for high-performance supercapacitor electrodes. <i>Rare Metals</i> , <b>2017</b> , 36, 449-456	5.5	18
115	SnO <sub>2</sub> nanotube arrays grown via an in situ template-etching strategy for effective and stable perovskite solar cells. <i>Chemical Engineering Journal</i> , <b>2017</b> , 325, 378-385	14.7	39



114	Construction of hollow Co <sub>3</sub> O <sub>4</sub> cubes as a high-performance anode for lithium ion batteries. <i>New Journal of Chemistry</i> , <b>2017</b> , 41, 7960-7965	3.6	22
113	Highly sensitive gold-decorated zinc oxide nanorods sensor for triethylamine working at near room temperature. <i>Journal of Colloid and Interface Science</i> , <b>2017</b> , 499, 67-75	9.3	47
112	High-sensitivity, high-selectivity, and fast-recovery-speed triethylamine sensor based on ZnO micropyramids prepared by molten salt growth method. <i>Journal of Alloys and Compounds</i> , <b>2017</b> , 695, 2930-2936	5.7	47
111	Engineering anatase hierarchically cactus-like TiO <sub>2</sub> arrays for photoelectrochemical and visualized sensing platform. <i>Biosensors and Bioelectronics</i> , <b>2017</b> , 90, 336-342	11.8	20
110	Fabrication of p-ZnO:Na/n-ZnO:Na homojunction by surface pulsed laser irradiation. <i>RSC Advances</i> , <b>2017</b> , 7, 37296-37301	3.7	7
109	Super-long ZnO nanofibers and novel nucleation mechanism for a gas-phase environment: spatial linear nucleation. <i>CrystEngComm</i> , <b>2017</b> , 19, 4983-4991	3.3	1
108	Two-dimensional porous Co <sub>3</sub> O <sub>4</sub> nanosheets for high-performance lithium ion batteries. <i>New Journal of Chemistry</i> , <b>2017</b> , 41, 15283-15288	3.6	22
107	Enhanced triethylamine sensing properties by designing Au@SnO <sub>2</sub> /MoS <sub>2</sub> nanostructure directly on alumina tubes. <i>Sensors and Actuators B: Chemical</i> , <b>2017</b> , 253, 97-107	8.5	78
106	Enhanced physical properties of pulsed laser deposited NiO films via annealing and lithium doping for improving perovskite solar cell efficiency. <i>Journal of Materials Chemistry C</i> , <b>2017</b> , 5, 7084-7094	7.1	92
105	From unstable CsSnI <sub>3</sub> to air-stable Cs <sub>2</sub> SnI <sub>6</sub> : A lead-free perovskite solar cell light absorber with bandgap of 1.48 eV and high absorption coefficient. <i>Solar Energy Materials and Solar Cells</i> , <b>2017</b> , 159, 227-234	6.4	258
104	The Influence of Physical Properties of ZnO Films on the Efficiency of Planar ZnO/Perovskite/P3HT Solar Cell. <i>Journal of the American Ceramic Society</i> , <b>2017</b> , 100, 176-184	3.8	18
103	High-Quality Perovskite Films Grown with a Fast Solvent-Assisted Molecule Inserting Strategy for Highly Efficient and Stable Solar Cells. <i>ACS Applied Materials &amp; Interfaces</i> , <b>2016</b> , 8, 22238-45	9.5	16
102	Lead-free mesoscopic Cs <sub>2</sub> SnI <sub>6</sub> perovskite solar cells using different nanostructured ZnO nanorods as electron transport layers. <i>Physica Status Solidi - Rapid Research Letters</i> , <b>2016</b> , 10, 587-591	2.5	96
101	Smooth and solid WS <sub>2</sub> submicrospheres grown by a new laser fragmentation and reshaping process with enhanced tribological properties. <i>Chemical Communications</i> , <b>2016</b> , 52, 10147-50	5.8	25
100	Near-Infrared Plasmonic 2D Semimetals for Applications in Communication and Biology. <i>Advanced Functional Materials</i> , <b>2016</b> , 26, 1793-1802	15.6	88
99	Superior triethylamine-sensing properties based on TiO <sub>2</sub> /SnO <sub>2</sub> n̄b heterojunction nanosheets directly grown on ceramic tubes. <i>Sensors and Actuators B: Chemical</i> , <b>2016</b> , 228, 634-642	8.5	104
98	Au nanoparticle-functionalized 3D SnO <sub>2</sub> microstructures for high performance gas sensor. <i>Sensors and Actuators B: Chemical</i> , <b>2016</b> , 226, 266-272	8.5	106
97	Low-working-temperature, fast-response-speed NO <sub>2</sub> sensor with nanoporous-SnO <sub>2</sub> /polyaniline double-layered film. <i>Sensors and Actuators B: Chemical</i> , <b>2016</b> , 224, 654-660	8.5	54

96	Near room-temperature triethylamine sensor constructed with CuO/ZnO P-N heterostructural nanorods directly on flat electrode. <i>Sensors and Actuators B: Chemical</i> , <b>2016</b> , 225, 16-23	8.5	110
95	Hierarchical Co <sub>3</sub> O <sub>4</sub> Nanowires as Binder Free Electrodes for Reversible Lithium Storage. <i>Chinese Journal of Chemistry</i> , <b>2016</b> , 34, 631-636	4.9	5
94	Oxygen influencing the photocarriers lifetime of CH <sub>3</sub> NH <sub>3</sub> PbI <sub>3</sub> /Clx film grown by two-step interdiffusion method and its photovoltaic performance. <i>Applied Physics Letters</i> , <b>2016</b> , 108, 033904	3.4	23
93	Growth temperature-dependent performance of planar CH <sub>3</sub> NH <sub>3</sub> PbI <sub>3</sub> solar cells fabricated by a two-step subliming vapor method below 120 °C. <i>RSC Advances</i> , <b>2016</b> , 6, 47459-47467	3.7	6
92	Fully indium-free flexible Ag nanowires/ZnO:F composite transparent conductive electrodes with high haze. <i>Journal of Materials Chemistry A</i> , <b>2015</b> , 3, 5375-5384	13	112
91	3D hierarchical Co <sub>3</sub> O <sub>4</sub> microspheres with enhanced lithium-ion battery performance. <i>RSC Advances</i> , <b>2015</b> , 5, 61631-61638	3.7	23
90	High triethylamine-sensing properties of NiO/SnO <sub>2</sub> hollow sphere PN heterojunction sensors. <i>Sensors and Actuators B: Chemical</i> , <b>2015</b> , 215, 39-44	8.5	168
89	Hierarchical Co@C Nanoflowers: Synthesis and Electrochemical Properties as an Advanced Negative Material for Alkaline Secondary Batteries. <i>ACS Applied Materials &amp; Interfaces</i> , <b>2015</b> , 7, 23978-23983	9.5	13
88	Near Room Temperature, Fast-Response, and Highly Sensitive Triethylamine Sensor Assembled with Au-Loaded ZnO/SnO <sub>2</sub> Core-Shell Nanorods on Flat Alumina Substrates. <i>ACS Applied Materials &amp; Interfaces</i> , <b>2015</b> , 7, 19163-71	9.5	191
87	Morphology Evolution of ZnO Submicroparticles Induced by Laser Irradiation and Their Enhanced Tribology Properties by Compositing with Al <sub>2</sub> O <sub>3</sub> Nanoparticles. <i>Advanced Engineering Materials</i> , <b>2015</b> , 17, 341-348	3.5	12
86	Effect of deposition temperature on transparent conductive properties of CuI film prepared by vacuum thermal evaporation. <i>Physica Status Solidi (A) Applications and Materials Science</i> , <b>2015</b> , 212, 1466-1470	1.6	50
85	Indium-free Cu/fluorine doped ZnO composite transparent conductive electrodes with stretchable and flexible performance on poly(ethylene terephthalate) substrate. <i>Applied Surface Science</i> , <b>2015</b> , 332, 549-556	6.7	8
84	Morphology-modulation of SnO <sub>2</sub> hierarchical architectures by Zn doping for glycol gas sensing and photocatalytic applications. <i>Scientific Reports</i> , <b>2015</b> , 5, 7874	4.9	92
83	ZnO photoanodes with different morphologies grown by electrochemical deposition and their dye-sensitized solar cell properties. <i>Ceramics International</i> , <b>2014</b> , 40, 7965-7970	5.1	39
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80	Direct hydrothermal growth of ZnO nanosheets on electrode for ethanol sensing. <i>Sensors and Actuators B: Chemical</i> , <b>2014</b> , 201, 444-451	8.5	77
79	The influence of annealing temperature on the interface and photovoltaic properties of CdS/CdSe quantum dots sensitized ZnO nanorods solar cells. <i>Journal of Colloid and Interface Science</i> , <b>2014</b> , 430, 200-6	9.3	11



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77	Sodium-Doped ZnO Nanowires Grown by High-pressure PLD and their Acceptor-Related Optical Properties. <i>Journal of the American Ceramic Society</i> , <b>2014</b> , 97, 2177-2184	3.8	26
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75	CdS and CdS/CdSe sensitized ZnO nanorod array solar cells prepared by a solution ions exchange process. <i>Materials Research Bulletin</i> , <b>2013</b> , 48, 4261-4266	5.1	13
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69	NO <sub>2</sub> gas sensing with SnO <sub>2</sub> /ZnO/PANI composite thick film fabricated from porous nanosolid. <i>Sensors and Actuators B: Chemical</i> , <b>2013</b> , 176, 166-173	8.5	80
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