

Bingqiang Cao

List of Publications by Year in descending order

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papers

9,998
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24978

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citing authors

#	ARTICLE	IF	CITATIONS
1	A magnet-renewable electroanalysis strategy for hydrogen sulfide in aquaculture freshwater using magnetic silver metal-organic frameworks. <i>Analytica Chimica Acta</i> , 2022, 1195, 339450.	2.6	10
2	A bubble-templated approach to holey N/S-codoped carbon nanosheet aerogels with honeycomb-like structure for supercapacitors. <i>Electrochimica Acta</i> , 2022, 404, 139741.	2.6	13
3	Impact of Ferroelectric Domain Structure on Bulk Photovoltaic Effect of Epitaxial BiFe _{1-x} Co _x O ₃ Films. <i>Advanced Electronic Materials</i> , 2022, 8, .	2.6	3
4	An ultrahigh 84.3% fill factor for efficient CH ₃ NH ₃ PbI ₃ P-i-N perovskite film solar cell. <i>Solar Energy</i> , 2022, 233, 271-277.	2.9	5
5	Cr ₂ O ₃ interlayer at TiO ₂ /perovskite interface propelling the efficiency improvement of perovskite solar cells. <i>Surfaces and Interfaces</i> , 2022, 29, 101761.	1.5	5
6	Stable CsPbX ₃ mixed halide alloyed epitaxial films prepared by pulsed laser deposition. <i>Applied Physics Letters</i> , 2022, 120, .	1.5	13
7	Enhancement of up-conversion luminescence through doping Ce ³⁺ ions in Yb _x Er _{2-x} Ti ₂ O ₇ thin films. <i>Chemical Physics Letters</i> , 2022, 795, 139498.	1.2	2
8	Bi ³⁺ and Eu ³⁺ co-doped CsPbCl ₃ perovskite quantum dots with efficient controllable blue emission via energy transfer. <i>Journal of Luminescence</i> , 2022, 247, 118901.	1.5	9
9	Dopant compensation in p-type doped MAPb _{1-x} Cu _x I ₃ alloyed perovskite crystals. <i>Applied Physics Letters</i> , 2022, 121, 012102.	1.5	0
10	Ultrathin holey reduced graphene oxide/Ni(picolinic acid) ₂ papers for flexible battery-supercapacitor hybrid devices. <i>Chemical Engineering Journal</i> , 2021, 408, 127302.	6.6	17
11	Synthesis, luminescent properties and crystal stabilization of GdAG:Mn ²⁺ /Ce ³⁺ via Y ³⁺ doping for warm w-LED application. <i>Optical Materials</i> , 2021, 111, 110566.	1.7	7
12	Corncob cellulose-derived hierarchical porous carbon for high performance supercapacitors. <i>Journal of Power Sources</i> , 2021, 484, 229221.	4.0	48
13	High-performance Bi ₂ O ₃ -NC anodes through constructing carbon shells and oxygen vacancies for flexible battery-supercapacitor hybrid devices. <i>Nanoscale Advances</i> , 2021, 3, 593-603.	2.2	8
14	One-step in-situ laser irradiation for unique flocculent carbon network-twined C/Si/SiC composite structure. <i>Ceramics International</i> , 2021, 47, 7101-7105.	2.3	1
15	A novel phosphor of Cu ⁺ -doped PbBrOH: preparation, luminescence mechanism, and outstanding properties. <i>Journal of Materials Chemistry C</i> , 2021, 9, 9178-9187.	2.7	8
16	Postpassivation of Cs _{0.05} (FA _{0.83} MA _{0.17}) _{0.95} Pb(I _{0.83} Br _{0.17}) ₃ Perovskite Films with Tris(pentafluorophenyl)borane. <i>ACS Applied Materials & Interfaces</i> , 2021, 13, 2472-2482.	4.0	34
17	Sustainable fabrication of ultralong Pb(OH)Br nanowires and their conversion to luminescent CH ₃ NH ₃ PbBr ₃ nanowires. <i>Green Chemistry</i> , 2021, 23, 7956-7962.	4.6	3
18	Laurionite Competes with 2D Ruddlesden-Popper Perovskites During the Saturation Recrystallization Process. <i>ACS Applied Materials & Interfaces</i> , 2021, 13, 6505-6514.	4.0	4

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19	Enhanced photocurrent of perovskite solar cells by dual-sensitized $\text{I}^2\text{-NaYF}_4\text{:Nd}^{3+}/\text{Yb}^{3+}/\text{Er}^{3+}$ up-conversion nanoparticles. <i>Chemical Physics Letters</i> , 2021, 763, 138253.	1.2	23
20	Plasmonic Au Nanooctahedrons Enhance Light Harvesting and Photocarrier Extraction in Perovskite Solar Cell. <i>ACS Applied Energy Materials</i> , 2021, 4, 3201-3209.	2.5	25
21	Tuning Jahn-Teller distortion and electron localization of LaMnO_3 epitaxial films via substrate temperature. <i>Journal Physics D: Applied Physics</i> , 2021, 54, 235302.	1.3	11
22	A highly selective and recyclable sensor for the electroanalysis of phosphothioate pesticides using silver-doped ZnO nanorods arrays. <i>Analytica Chimica Acta</i> , 2021, 1152, 338285.	2.6	17
23	Bamboo-like N/S-codoped carbon nanotube aerogels for high-power and high-energy supercapacitors. <i>Journal of Alloys and Compounds</i> , 2021, 861, 157946.	2.8	20
24	Ultrasmall CsPbBr_3 Quantum Dots with Bright and Wide Blue Emissions. <i>Physica Status Solidi - Rapid Research Letters</i> , 2021, 15, 2100134.	1.2	14
25	Thermal evaporated CuI film thickness-dependent performance of perovskite solar cells. <i>Vacuum</i> , 2021, 187, 110076.	1.6	21
26	In-situ fluorinated 2D/3D invert perovskite film solar cell with enhanced ambient stability. <i>Solar Energy</i> , 2021, 221, 583-590.	2.9	7
27	Large-area CsPbBr_3 perovskite films grown with effective one-step RF-magnetron sputtering. <i>Journal of Applied Physics</i> , 2021, 129, .	1.1	9
28	Enhanced upconversion red light emission of $\text{TiO}_2\text{:Yb,Er}$ thin film via Mn doping. <i>Optics Express</i> , 2021, 29, 23159.	1.7	5
29	Heterostructural perovskite solar cell constructed with Li-doped p-MAPbI ₃ /n-TiO ₂ PN junction. <i>Solar Energy</i> , 2021, 226, 446-454.	2.9	7
30	Enhancing the bulk photovoltaic effect by tuning domain walls in epitaxial BiFeO_3 films. <i>Nanotechnology</i> , 2021, 32, 495402.	1.3	5
31	Electrochemically constructing V-doped BiFeO_3 nanoflake network anodes for flexible asymmetric micro-supercapacitors. <i>Electrochimica Acta</i> , 2021, 393, 139079.	2.6	13
32	Guanidinium cation passivated Pb-Cu alloyed perovskite for efficient low-toxicity solar cells. <i>Applied Surface Science</i> , 2021, 567, 150778.	3.1	6
33	Lead-free Cs_2SnX_6 (X=Cl, Br, I) nanocrystals in mesoporous SiO_2 with more stable emission from VIS to NIR light. <i>Chemical Physics Letters</i> , 2021, 782, 139023.	1.2	4
34	Ligand exchange of SnO_2 effectively improving the efficiency of flexible perovskite solar cells. <i>Journal of Alloys and Compounds</i> , 2021, 883, 160827.	2.8	14
35	Enhanced photoluminescence of $\text{CsPbBr}_3\text{-xI}_x$ nanocrystals via plasmonic Au nanoarrays. <i>Optics Express</i> , 2021, 29, 36988.	1.7	9
36	Epitaxial Growth of Quasi-intrinsic CsPbBr_3 Film on a SrTiO_3 Substrate by Pulsed Laser Deposition. <i>ACS Applied Electronic Materials</i> , 2021, 3, 5592-5600.	2.0	7

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37	Modifying Jahn-Teller distortion by epitaxial stress in LaMnO ₃ films for tuning electron localization. <i>Journal of Physics Condensed Matter</i> , 2021, , .	0.7	1
38	High-voltage aqueous asymmetric pseudocapacitors based on methyl blue-doped polyaniline hydrogels and the derived N/S-codoped carbon aerogels. <i>Chemical Engineering Journal</i> , 2020, 383, 123153.	6.6	35
39	Photoluminescence enhancement of perovskite CsPbBr ₃ quantum dots by plasmonic Au nanorods. <i>Chemical Physics</i> , 2020, 530, 110627.	0.9	19
40	Multifunctional microporous activated carbon nanotubes anchored on graphite fibers for high-strength and high-rate flexible all-solid-state supercapacitors. <i>Applied Surface Science</i> , 2020, 502, 144423.	3.1	15
41	Colorimetric determination of the activity of alkaline phosphatase by exploiting the oxidase-like activity of palladium cube@CeO ₂ core-shell nanoparticles. <i>Mikrochimica Acta</i> , 2020, 187, 115.	2.5	25
42	Study on the Mn-doped CsPbCl ₃ perovskite nanocrystals with controllable dual-color emission via energy transfer. <i>Journal of Alloys and Compounds</i> , 2020, 821, 153568.	2.8	27
43	Single Crystal Perovskite Solar Cells: Development and Perspectives. <i>Advanced Functional Materials</i> , 2020, 30, 1905021.	7.8	171
44	Laser assisted self-assembly synthesis of porous hollow MoO ₃ -x-doped MoS ₂ nanospheres sandwiched by graphene for flexible high-area supercapacitors. <i>Electrochimica Acta</i> , 2020, 332, 135499.	2.6	23
45	Highly Conductive P-Type MAPbI ₃ Films and Crystals via Sodium Doping. <i>Frontiers in Chemistry</i> , 2020, 8, 754.	1.8	18
46	Polarization-enhanced bulk photovoltaic effect of BiFeO ₃ epitaxial film under standard solar illumination. <i>Physics Letters, Section A: General, Atomic and Solid State Physics</i> , 2020, 384, 126831.	0.9	11
47	Study on fluorescence properties and stability of Cu ²⁺ -Substituted CsPbBr ₃ perovskite quantum dots. <i>Physica B: Condensed Matter</i> , 2020, 599, 412488.	1.3	15
48	Corn-cob-Derived Hierarchical Porous Activated Carbon for High-Performance Lithium-Ion Capacitors. <i>Energy & Fuels</i> , 2020, 34, 16885-16892.	2.5	15
49	Progress and perspective on CsPbX ₃ nanocrystals for light emitting diodes and solar cells. <i>Journal of Applied Physics</i> , 2020, 128, .	1.1	20
50	From energy harvesting to topologically insulating behavior: ABO ₃ -type epitaxial thin films and superlattices. <i>Journal of Materials Chemistry C</i> , 2020, 8, 15575-15596.	2.7	22
51	Improving the performances of CsPbBr ₃ solar cells fabricated in ambient condition. <i>Journal of Materials Science: Materials in Electronics</i> , 2020, 31, 21154-21167.	1.1	18
52	Aqueous phase fabrication and conversion of Pb(OH)Br into a CH ₃ NH ₃ PbBr ₃ perovskite and its application in resistive memory switching devices. <i>Green Chemistry</i> , 2020, 22, 3608-3614.	4.6	19
53	Oxygen-deficient BiFeO ₃ -NC nanoflake anodes for flexible battery-supercapacitor hybrid devices with high voltage and long-term stability. <i>Chemical Engineering Journal</i> , 2020, 397, 125524.	6.6	37
54	Combustion procedure deposited SnO ₂ electron transport layers for high efficient perovskite solar cells. <i>Journal of Alloys and Compounds</i> , 2020, 844, 156032.	2.8	34

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55	Electrospun ZnFe ₂ O ₄ /carbon nanofibers as high-rate supercapacitor electrodes. Journal of Power Sources, 2020, 469, 228416.	4.0	38
56	Doping Nitrogen into Q-Graphene by Plasma Treatment toward Peroxidase Mimics with Enhanced Catalysis. Analytical Chemistry, 2020, 92, 5152-5157.	3.2	37
57	Quantum size effect and surface defect passivation in size-controlled CsPbBr ₃ quantum dots. Journal of Alloys and Compounds, 2020, 831, 154834.	2.8	21
58	Ultrastable Laurionite Spontaneously Encapsulates Reduced-dimensional Lead Halide Perovskites. Nano Letters, 2020, 20, 2316-2325.	4.5	20
59	Efficient Laser-Induced Construction of Oxygen-Vacancy Abundant Nano-ZnCo ₂ O ₄ /Porous Reduced Graphene Oxide Hybrids toward Exceptional Capacitive Lithium Storage. Small, 2020, 16, e2001526.	5.2	48
60	Good triethylamine sensing properties of Au@MoS ₂ nanostructures directly grown on ceramic tubes. Materials Chemistry and Physics, 2020, 245, 122683.	2.0	17
61	Highly conductive n-type CH ₃ NH ₃ Pb ₃ single crystals doped with bismuth donors. Journal of Materials Chemistry C, 2020, 8, 3694-3704.	2.7	27
62	Mono-dispersed Ag/Graphene nanocomposite as lubricant additive to reduce friction and wear. Tribology International, 2020, 146, 106228.	3.0	89
63	Study on synthesis and luminescent properties of Mn ⁴⁺ doped (Gd,Y) ₃ Al ₅ O ₁₂ phosphor. Optical Materials, 2020, 102, 109815.	1.7	10
64	Zwitterion-Stabilizing Scalable Bladed δ -Phase Cs _{0.1} FA _{0.9} Pb ₃ Films for Efficient Inverted Planar Perovskite Solar Cells. ACS Sustainable Chemistry and Engineering, 2020, 8, 7020-7030.	3.2	27
65	Study on organic-inorganic hybrid perovskite nanocrystals with regular morphologies and their effect on photoluminescence properties. Optics Express, 2020, 28, 10714.	1.7	7
66	Study on MA(Pb,Cu)Br ₃ Perovskite Nanocrystal with Both Controlled Color Emission and Improved Stability. ES Materials & Manufacturing, 2020, , .	1.1	1
67	Enhanced triethylamine sensing performance of δ -Fe ₂ O ₃ nanoparticle/ZnO nanorod heterostructures. Sensors and Actuators B: Chemical, 2019, 298, 126917.	4.0	74
68	Bismuth Telluride Interlayer for All-Inorganic Perovskite Solar Cells with Enhanced Efficiency and Stability. Solar Rrl, 2019, 3, 1900233.	3.1	27
69	Copper submicrospheres induced by pulsed laser-irradiation with enhanced tribology properties. New Journal of Chemistry, 2019, 43, 13526-13535.	1.4	4
70	Ligand induced anomalous emission shift of size-controlled CsPbBr ₃ nanocrystals. Applied Physics Letters, 2019, 115, .	1.5	16
71	Fe ₃ O ₄ Nanozymes with Aptamer-Tuned Catalysis for Selective Colorimetric Analysis of ATP in Blood. Analytical Chemistry, 2019, 91, 14737-14742.	3.2	105
72	Highly transparent and conductive δ -CuI films grown by simply dipping copper films into iodine solution. Physica B: Condensed Matter, 2019, 573, 45-48.	1.3	23

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73	Gold nanoclusters-based dual-channel assay for colorimetric and turn-on fluorescent sensing of alkaline phosphatase. <i>Sensors and Actuators B: Chemical</i> , 2019, 301, 127080.	4.0	60
74	Enhanced performance of TiO ₂ -based planar perovskite solar cells by In ₂ O ₃ interfacial modification layer. <i>Organic Electronics</i> , 2019, 75, 105426.	1.4	11
75	Enhanced Triethylamine Sensing Properties by Designing an Fe ₂ O ₃ /Li-MoO ₃ Nanostructure Directly Grown on Ceramic Tubes. <i>ACS Applied Nano Materials</i> , 2019, 2, 6715-6725.	2.4	36
76	Three-Dimensional Mesoporous Straw-Like Co ₃ O ₄ Anode with Enhanced Electrochemical Performance for Lithium-Ion Batteries. <i>ChemistrySelect</i> , 2019, 4, 6879-6885.	0.7	7
77	Facile fabrication of porous NiMoO ₄ @C nanowire as high performance anode material for lithium ion batteries. <i>Ceramics International</i> , 2019, 45, 18462-18470.	2.3	24
78	Corn-cob-derived hierarchical porous carbons constructed by re-activation for high-rate lithium-ion capacitors. <i>New Journal of Chemistry</i> , 2019, 43, 10103-10108.	1.4	10
79	Laser induced oxygen-deficient TiO ₂ /graphene hybrid for high-performance supercapacitor. <i>Journal of Power Sources</i> , 2019, 431, 220-225.	4.0	54
80	Hierarchical Porous Activated Carbon Obtained by a Novel Heating-Rate-Induced Method for Lithium-Ion Capacitor. <i>ChemistrySelect</i> , 2019, 4, 5300-5307.	0.7	7
81	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> , 2019, 426, 188-196.	4.0	29
82	Rod-like porous CoMoO ₄ @C as excellent anode for high performance lithium ion battery. <i>Journal of Alloys and Compounds</i> , 2019, 790, 891-899.	2.8	35
83	Perovskite films grown with green mixed anti-solvent for highly efficient solar cells with enhanced stability. <i>Solar Energy</i> , 2019, 181, 285-292.	2.9	41
84	Controllable ZnFe ₂ O ₄ /reduced graphene oxide hybrid for high-performance supercapacitor electrode. <i>Electrochimica Acta</i> , 2018, 268, 20-26.	2.6	65
85	Green laser irradiation-stimulated fullerene-like MoS ₂ nanospheres for tribological applications. <i>Tribology International</i> , 2018, 122, 119-124.	3.0	23
86	Laser irradiation-induced laminated graphene/MoS ₂ composites with synergistically improved tribological properties. <i>Nanotechnology</i> , 2018, 29, 265704.	1.3	26
87	Enhanced triethylamine sensing properties by fabricating Au@SnO ₂ /Fe ₂ O ₃ core-shell nanoneedles directly on alumina tubes. <i>Sensors and Actuators B: Chemical</i> , 2018, 262, 70-78.	4.0	96
88	Enhanced triethylamine sensing properties by designing Au@SnO ₂ /ZnO nanosheets directly on alumina tubes. <i>Surfaces and Interfaces</i> , 2018, 10, 85-92.	1.5	30
89	Oxygen-Vacancy Abundant Ultrafine Co ₃ O ₄ /Graphene Composites for High-Rate Supercapacitor Electrodes. <i>Advanced Science</i> , 2018, 5, 1700659.	5.6	392
90	Room-temperature, high selectivity and low-ppm-level triethylamine sensor assembled with Au decahedrons-decorated porous Fe ₂ O ₃ nanorods directly grown on flat substrate. <i>Sensors and Actuators B: Chemical</i> , 2018, 268, 170-181.	4.0	72

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91	Tribology Properties: Laser Irradiation-Induced SiC@Graphene Sub-Microspheres: A Bioinspired Core-Shell Structure for Enhanced Tribology Properties (Adv. Mater. Interfaces 5/2018). Advanced Materials Interfaces, 2018, 5, 1870021.	1.9	2
92	ZnFe2O4 nanoparticles-cotton derived hierarchical porous active carbon fibers for high rate-capability supercapacitor electrodes. Carbon, 2018, 134, 15-21.	5.4	76
93	Excess iodine as the interface recombination center limiting the open-circuit voltage of CuI-based perovskite planar solar cell. Journal of Materials Science: Materials in Electronics, 2018, 29, 8838-8846.	1.1	9
94	Laser Irradiation-Induced SiC@Graphene Sub-Microspheres: A Bioinspired Core-Shell Structure for Enhanced Tribology Properties. Advanced Materials Interfaces, 2018, 5, 1700839.	1.9	10
95	Low-temperature in-situ growth of SnO2 nanosheets and its high triethylamine sensing response by constructing Au-loaded ZnO/SnO2 heterostructure. Journal of Alloys and Compounds, 2018, 737, 603-612.	2.8	72
96	Highly transparent 3D NiO-Ni/Ag-nanowires/FTO micro-supercapacitor electrodes for fully transparent electronic device-purpose. Electrochimica Acta, 2018, 260, 281-289.	2.6	23
97	Monolithic perovskite/Si tandem solar cells exceeding 22% efficiency via optimizing top cell absorber. Nano Energy, 2018, 53, 798-807.	8.2	83
98	Reversible Band Gap Narrowing of Sn-Based Hybrid Perovskite Single Crystal with Excellent Phase Stability. Angewandte Chemie, 2018, 130, 15084-15088.	1.6	17
99	Preparation of defective ZnFe2O4/graphene composites and their charge storage properties. Electrochemistry Communications, 2018, 92, 19-23.	2.3	32
100	A novel hetero-structure sensor based on Au/Mg-doped TiO2/SnO2 nanosheets directly grown on Al2O3 ceramic tubes. Sensors and Actuators B: Chemical, 2018, 273, 328-335.	4.0	35
101	Ultrafast synthesis of SiC@graphene nanocomposites by one-step laser induced fragmentation and decomposition. Ceramics International, 2018, 44, 19028-19032.	2.3	8
102	Surface-crumpled graphene hydrogels with macro- and microporous structures for ultrahigh-volumetric energy storage. Journal of Power Sources, 2018, 399, 115-124.	4.0	39
103	Zinc as a New Dopant for NiO-Based Planar Perovskite Solar Cells with Stable Efficiency near 20%. ACS Applied Energy Materials, 2018, 1, 3947-3954.	2.5	87
104	Flexible and Biocompatibility Power Source for Electronics: A Cellulose Paper Based Hole-Transport-Free Perovskite Solar Cell. Solar Rrl, 2018, 2, 1800175.	3.1	37
105	Improving the triethylamine sensing performance based on debye length: A case study on $\text{Fe}_2\text{O}_3/\text{NiO}(\text{CuO})$ core-shell nanorods sensor working at near room-temperature. Sensors and Actuators B: Chemical, 2017, 245, 375-385.	4.0	75
106	Different morphologies of ZnO and their triethylamine sensing properties. Journal of Alloys and Compounds, 2017, 706, 461-469.	2.8	64
107	The air and thermal stabilities of lead-free perovskite variant Cs_2SnI_6 powder. Materials Letters, 2017, 199, 50-52.	1.3	59
108	Welded-Ag-nanowires/FTO conducting film with high transmittance and its application in transparent supercapacitors. IOP Conference Series: Materials Science and Engineering, 2017, 182, 012022.	0.3	0

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109	SnO ₂ nanotube arrays grown via an in situ template-etching strategy for effective and stable perovskite solar cells. <i>Chemical Engineering Journal</i> , 2017, 325, 378-385.	6.6	52
110	Construction of hollow Co ₃ O ₄ cubes as a high-performance anode for lithium ion batteries. <i>New Journal of Chemistry</i> , 2017, 41, 7960-7965.	1.4	28
111	Highly sensitive gold-decorated zinc oxide nanorods sensor for triethylamine working at near room temperature. <i>Journal of Colloid and Interface Science</i> , 2017, 499, 67-75.	5.0	57
112	High-sensitivity, high-selectivity, and fast-recovery-speed triethylamine sensor based on ZnO micropiramids prepared by molten salt growth method. <i>Journal of Alloys and Compounds</i> , 2017, 695, 2930-2936.	2.8	65
113	Two-dimensional porous Co ₃ O ₄ nanosheets for high-performance lithium ion batteries. <i>New Journal of Chemistry</i> , 2017, 41, 15283-15288.	1.4	25
114	Enhanced triethylamine sensing properties by designing Au@SnO ₂ /MoS ₂ nanostructure directly on alumina tubes. <i>Sensors and Actuators B: Chemical</i> , 2017, 253, 97-107.	4.0	97
115	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> , 2017, 5, 7084-7094.	2.7	134
116	From unstable CsSnI ₃ to air-stable Cs ₂ SnI ₆ : 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> , 2017, 159, 227-234.	3.0	388
117	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> , 2017, 100, 176-184.	1.9	22
118	Hierarchical Co ₃ O ₄ Nanowires as Binder Free Electrodes for Reversible Lithium Storage. <i>Chinese Journal of Chemistry</i> , 2016, 34, 631-636.	2.6	6
119	Oxygen influencing the photocarriers lifetime of CH ₃ NH ₃ PbI _{3-x} Cl _x film grown by two-step interdiffusion method and its photovoltaic performance. <i>Applied Physics Letters</i> , 2016, 108, .	1.5	26
120	Growth temperature-dependent performance of planar CH ₃ NH ₃ PbI ₃ solar cells fabricated by a two-step subliming vapor method below 120 °C. <i>RSC Advances</i> , 2016, 6, 47459-47467.	1.7	7
121	High-Quality Perovskite Films Grown with a Fast Solvent-Assisted Molecule Inserting Strategy for Highly Efficient and Stable Solar Cells. <i>ACS Applied Materials & Interfaces</i> , 2016, 8, 22238-22245.	4.0	19
122	Lead-free mesoscopic Cs ₂ SnI ₆ perovskite solar cells using different nanostructured ZnO nanorods as electron transport layers. <i>Physica Status Solidi - Rapid Research Letters</i> , 2016, 10, 587-591.	1.2	138
123	Smooth and solid WS ₂ submicrospheres grown by a new laser fragmentation and reshaping process with enhanced tribological properties. <i>Chemical Communications</i> , 2016, 52, 10147-10150.	2.2	33
124	3D hierarchical MnO ₂ nanorod/welded Ag-nanowire-network composites for high-performance supercapacitor electrodes. <i>Chemical Communications</i> , 2016, 52, 7998-8001.	2.2	56
125	Superior triethylamine-sensing properties based on TiO ₂ /SnO ₂ n heterojunction nanosheets directly grown on ceramic tubes. <i>Sensors and Actuators B: Chemical</i> , 2016, 228, 634-642.	4.0	134
126	Au nanoparticle-functionalized 3D SnO ₂ microstructures for high performance gas sensor. <i>Sensors and Actuators B: Chemical</i> , 2016, 226, 266-272.	4.0	124

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127	Low-working-temperature, fast-response-speed NO ₂ sensor with nanoporous-SnO ₂ /polyaniline double-layered film. <i>Sensors and Actuators B: Chemical</i> , 2016, 224, 654-660.	4.0	72
128	Near room-temperature triethylamine sensor constructed with CuO/ZnO P-N heterostructural nanorods directly on flat electrode. <i>Sensors and Actuators B: Chemical</i> , 2016, 225, 16-23.	4.0	143
129	Effect of deposition temperature on transparent conductive properties of $\text{In}^3\text{-CuI}$ film prepared by vacuum thermal evaporation. <i>Physica Status Solidi (A) Applications and Materials Science</i> , 2015, 212, 1466-1470.	0.8	68
130	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> , 2015, 332, 549-556.	3.1	8
131	Phosphorus Concentration Dependent Microstructure and Optical Property of ZnO Nanowires Grown by High-Pressure Pulsed Laser Deposition. <i>Journal of Physical Chemistry C</i> , 2015, 119, 4371-4378.	1.5	18
132	Morphology-modulation of SnO ₂ Hierarchical Architectures by Zn Doping for Glycol Gas Sensing and Photocatalytic Applications. <i>Scientific Reports</i> , 2015, 5, 7874.	1.6	112
133	Fully indium-free flexible Ag nanowires/ZnO:F composite transparent conductive electrodes with high haze. <i>Journal of Materials Chemistry A</i> , 2015, 3, 5375-5384.	5.2	125
134	3D hierarchical Co ₃ O ₄ microspheres with enhanced lithium-ion battery performance. <i>RSC Advances</i> , 2015, 5, 61631-61638.	1.7	25
135	High triethylamine-sensing properties of NiO/SnO ₂ hollow sphere P^{N} heterojunction sensors. <i>Sensors and Actuators B: Chemical</i> , 2015, 215, 39-44.	4.0	203
136	Hierarchical Co@C Nanoflowers: Synthesis and Electrochemical Properties as an Advanced Negative Material for Alkaline Secondary Batteries. <i>ACS Applied Materials & Interfaces</i> , 2015, 7, 23978-23983.	4.0	19
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