Zhigang Zang

List of Publications by Year
in descending order

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151 papers	13,915 citations	13068 68 h-index	20900 115 g-index
152 all docs	152 docs citations	152 times ranked	13056 citing authors

#	Article	IF	Citations
1	Enhanced performance of light-controlled conductive switching in hybrid cuprous oxide/reduced graphene oxide (Cu_2O/rGO) nanocomposites. Optics Letters, 2017, 42, 911.	1.7	551
2	Highly compact CsPbBr3 perovskite thin films decorated by ZnO nanoparticles for enhanced random lasing. Nano Energy, 2017, 40, 195-202.	8.2	419
3	Synthesis of MoS_2/g-C_3N_4 nanocomposites with enhanced visible-light photocatalytic activity for the removal of nitric oxide (NO). Optics Express, 2016, 24, 10205.	1.7	415
4	Enhanced photoresponse of self-powered perovskite photodetector based on ZnO nanoparticles decorated CsPbBr3 films. Solar Energy Materials and Solar Cells, 2017, 172, 341-346.	3.0	408
5	Single cuprous oxide films synthesized by radical oxidation at low temperature for PV application. Optics Express, 2013, 21, 11448.	1.7	393
6	Tunable photoluminescence of water-soluble AgInZnSâ€“graphene oxide (GO) nanocomposites and their application in-vivo bioimaging. Sensors and Actuators B: Chemical, 2017, 252, 1179-1186.	4.0	391
7	Flexible electrochromic supercapacitor hybrid electrodes based on tungsten oxide films and silver nanowires. Chemical Communications, 2016, 52, 6296-6299.	2.2	383
8	Femtosecond laser direct writing of microholes on roughened ZnO for output power enhancement of InGaN light-emitting diodes. Optics Letters, 2016, 41, 3463.	1.7	343
9	Efficiency enhancement of ZnO/Cu2O solar cells with well oriented and micrometer grain sized Cu2O films. Applied Physics Letters, 2018, 112, .	1.5	305
10	Performance improvement of perovskite solar cells by employing a CdSe quantum dot/PCBM composite as an electron transport layer. Journal of Materials Chemistry A, 2017, 5, 17499-17505.	5.2	293
11	Enhanced X-ray photon response in solution-synthesized CsPbBr3 nanoparticles wrapped by reduced graphene oxide. Solar Energy Materials and Solar Cells, 2018, 187, 249-254.	3.0	265
12	Defect passivation using ultrathin PTAA layers for efficient and stable perovskite solar cells with a high fill factor and eliminated hysteresis. Journal of Materials Chemistry A, 2019, 7, 26421-26428.	5.2	262
13	Preparation of cubic Cu2O nanoparticles wrapped by reduced graphene oxide for the efficient removal of rhodamine B. Journal of Alloys and Compounds, 2017, 718, 112-115.	2.8	249
14	Ultrastable CsPbBr₃ Perovskite Quantum Dot and Their Enhanced Amplified Spontaneous Emission by Surface Ligand Modification. Small, 2019, 15, e1901173.	5.2	229
15	Enhanced fluorescence imaging performance of hydrophobic colloidal ZnO nanoparticles by a facile method. Journal of Alloys and Compounds, 2015, 619, 98-101.	2.8	221
16	Theoretical and experimental investigation of highly photocatalytic performance of CuInZnS nanoporous structure for removing the NO gas. Journal of Catalysis, 2018, 357, 100-107.	3.1	214
17	Highly efficient semitransparent CsPbIBr2 perovskite solar cells via low-temperature processed In2S3 as electron-transport-layer. Nano Energy, 2019, 57, 718-727.	8.2	211
18	Room temperature synthesis of stable single silica-coated CsPbBr3 quantum dots combining tunable red emission of Agâ€“Inâ€“Znâ€“S for High-CRI white light-emitting diodes. Nano Energy, 2020, 67, 104279.	8.2	197

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19	Enhanced Stability and Tunable Photoluminescence in Perovskite CsPbX₃/ZnS Quantum Dot Heterostructure. Small, 2017, 13, 1604085.	5.2	195
20	NH₄Clâ€Modified ZnO for Highâ€Performance CsPbIBr₂ Perovskite Solar Cells via Lowâ€Temperature Process. Solar Rrl, 2020, 4, 1900363.	3.1	186
21	Flexible All-Inorganic Perovskite CsPbBr₃ Nonvolatile Memory Device. ACS Applied Materials & Interfaces, 2017, 9, 6171-6176.	4.0	179
22	Performance improvement of perovskite solar cells through enhanced hole extraction: The role of iodide concentration gradient. Solar Energy Materials and Solar Cells, 2018, 185, 117-123.	3.0	176
23	Interfacial Defect Passivation and Stress Release via Multi-Active-Site Ligand Anchoring Enables Efficient and Stable Methylammonium-Free Perovskite Solar Cells. ACS Energy Letters, 2021, 6, 2526-2538.	8.8	170
24	Nitrogen doping in cuprous oxide films synthesized by radical oxidation at low temperature. Materials Letters, 2013, 92, 188-191.	1.3	169
25	Efficient charge carrier separation and excellent visible light photoresponse in Cu2O nanowires. Nano Energy, 2018, 50, 118-125.	8.2	166
26	Analysis of optical switching in a Yb³⁺-doped fiber Bragg grating by using self-phase modulation and cross-phase modulation. Applied Optics, 2012, 51, 3424.	0.9	163
27	PEDOT:PSS monolayers to enhance the hole extraction and stability of perovskite solar cells. Journal of Materials Chemistry A, 2018, 6, 16583-16589.	5.2	162
28	Interfacial defect passivation and stress release by multifunctional KPF6 modification for planar perovskite solar cells with enhanced efficiency and stability. Chemical Engineering Journal, 2021, 418, 129375.	6.6	157
29	Highly pure green light emission of perovskite CsPbBr_3 quantum dots and their application for green light-emitting diodes. Optics Express, 2016, 24, 15071.	1.7	154
30	Inverted Planar Perovskite Solar Cells with a High Fill Factor and Negligible Hysteresis by the Dual Effect of NaCl-Doped PEDOT:PSS. ACS Applied Materials & Interfaces, 2017, 9, 43902-43909.	4.0	149
31	Multifunctional organic ammonium salt-modified SnO₂nanoparticles toward efficient and stable planar perovskite solar cells. Journal of Materials Chemistry A, 2021, 9, 3940-3951.	5.2	146
32	High-Power (> 110 mW) Superluminescent Diodes by Using Active Multimode Interferometer. IEEE Photonics Technology Letters, 2010, 22, 721-723.	1.3	143
33	Thermal resistance reduction in high power superluminescent diodes by using active multi-mode interferometer. Applied Physics Letters, 2012, 100, .	1.5	139
34	Room Temperature Synthesis of Stable Zirconiaâ€Coated CsPbBr₃ Nanocrystals for White Lightâ€Emitting Diodes and Visible Light Communication. Laser and Photonics Reviews, 2021, 15, 2100278.	4.4	138
35	Perovskite CsPb₂Br₅ Microplate Laser with Enhanced Stability and Tunable Properties. Advanced Optical Materials, 2017, 5, 1600788.	3.6	135
36	Three dimensional Z-scheme (BiO) 2 CO 3 /MoS 2 with enhanced visible light photocatalytic NO removal. Applied Catalysis B: Environmental, 2016, 199, 87-95.	10.8	133

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37	Conductivity Enhancement of PEDOT:PSS via Addition of Chloroplatinic Acid and Its Mechanism. Advanced Electronic Materials, 2017, 3, 1700047.	2.6	126
38	Low-switching power (<45â€‰mW) optical bistability based on optical nonlinearity of ytterbium-doped fiber with a fiber Bragg grating pair. Journal of Modern Optics, 2012, 59, 161-165.	0.6	125
39	All-inorganic perovskite CsPb(Br/I)₃nanorods for optoelectronic application. Nanoscale, 2016, 8, 15158-15161.	2.8	123
40	Theoretical and experimental investigation of all-optical switching based on cascaded LPFGs separated by an erbium-doped fiber. Journal of Applied Physics, 2011, 109, .	1.1	120
41	Enhanced Twoâ€Photonâ€Pumped Emission from In Situ Synthesized Nonblinking CsPbBr₃/SiO₂ Nanocrystals with Excellent Stability. Advanced Optical Materials, 2018, 6, 1700997.	3.6	116
42	Strong yellow emission of ZnO hollow nanospheres fabricated using polystyrene spheres as templates. Materials and Design, 2015, 84, 418-421.	3.3	115
43	Room temperature single-photon emission and lasing for all-inorganic colloidal perovskite quantum dots. Nano Energy, 2016, 28, 462-468.	8.2	115
44	Stable Dynamics Performance and High Efficiency of ABX₃â€Type Superâ€Alkali Perovskites First Obtained by Introducing H₅O₂ Cation. Advanced Energy Materials, 2019, 9, 1900664.	10.2	113
45	All-optical switching in Sagnac loop mirror containing an ytterbium-doped fiber and fiber Bragg grating. Applied Optics, 2013, 52, 5701.	0.9	107
46	Simultaneous passivation of bulk and interface defects through synergistic effect of anion and cation toward efficient and stable planar perovskite solar cells. Journal of Energy Chemistry, 2021, 63, 452-460.	7.1	105
47	High performance CsPbBr3 quantum dots photodetectors by using zinc oxide nanorods arrays as an electron-transport layer. Applied Physics Letters, 2020, 116, .	1.5	102
48	Enhancement of Conductivity and Thermoelectric Property of PEDOT:PSS via Acid Doping and Single Postâ€Treatment for Flexible Power Generator. Advanced Sustainable Systems, 2018, 2, 1800085.	2.7	101
49	Challenges and strategies relating to device function layers and their integration toward high-performance inorganic perovskite solar cells. Nanoscale, 2020, 12, 14369-14404.	2.8	99
50	Interface Modulator of Ultrathin Magnesium Oxide for Lowâ€Temperatureâ€Processed Inorganic CsPbIBr₂ Perovskite Solar Cells with Efficiency Over 11%. Solar Rrl, 2020, 4, 2000226.	3.1	98
51	Critical role of interface contact modulation in realizing low-temperature fabrication of efficient and stable CsPbIBr2 perovskite solar cells. Chemical Engineering Journal, 2020, 394, 124903.	6.6	97
52	Highly stable CsPbBr3 quantum dots by silica-coating and ligand modification for white light-emitting diodes and visible light communication. Chemical Engineering Journal, 2021, 419, 129551.	6.6	96
53	Ultrathin, Coreâ€“Shell Structured SiO₂ Coated Mn²⁺â€Doped Perovskite Quantum Dots for Bright White Lightâ€Emitting Diodes. Small, 2019, 15, e1900484.	5.2	95
54	Highly efficient emission and high-CRI warm white light-emitting diodes from ligand-modified CsPbBr₃ quantum dots. Opto-Electronic Advances, 2022, 5, 200075-200075.	6.4	92

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55	Highly Stable Silica-Wrapped Mn-Doped CsPbCl₃ Quantum Dots for Bright White Light-Emitting Devices. ACS Applied Materials & Interfaces, 2018, 10, 43978-43986.	4.0	91
56	Two-dimensional lead-free hybrid halide perovskite using superatom anions with tunable electronic properties. Solar Energy Materials and Solar Cells, 2019, 191, 33-38.	3.0	90
57	Interfacial defects passivation using fullerene-polymer mixing layer for planar-structure perovskite solar cells with negligible hysteresis. Solar Energy, 2020, 206, 816-825.	2.9	86
58	Hollow Cu2O nanospheres loaded with MoS2/reduced graphene oxide nanosheets for ppb-level NO2 detection at room temperature. Journal of Hazardous Materials, 2021, 416, 126218.	6.5	83
59	Revealing Stericâ€Hindranceâ€Dependent Buried Interface Defect Passivation Mechanism in Efficient and Stable Perovskite Solar Cells with Mitigated Tensile Stress. Advanced Functional Materials, 2022, 32, .	7.8	83
60	Stabilizing Perovskite Precursor by Synergy of Functional Groups for NiO_xâ€Based Inverted Solar Cells with 23.5â€‰% Efficiency. Angewandte Chemie - International Edition, 2022, 61, .	7.2	82
61	Tunable luminescent CsPb_2Br_5 nanoplatelets: applications in light-emitting diodes and photodetectors. Photonics Research, 2017, 5, 473.	3.4	79
62	High Power and Stable High Coupling Efficiency (66%) Superluminescent Light Emitting Diodes by Using Active Multi-Mode Interferometer. IEICE Transactions on Electronics, 2011, E94-C, 862-864.	0.3	77
63	MXene Ti₃C₂T_x-Derived Nitrogen-Functionalized Heterophase TiO₂ Homojunctions for Room-Temperature Trace Ammonia Gas Sensing. ACS Applied Materials & Interfaces, 2021, 13, 56485-56497.	4.0	77
64	Passivating buried interface via self-assembled novel sulfonium salt toward stable and efficient perovskite solar cells. Chemical Engineering Journal, 2022, 431, 133209.	6.6	74
65	Efficiently Luminescent and Stable Leadâ€free Cs₃Cu₂Cl₅@Silica Nanocrystals for White Lightâ€Emitting Diodes and Communication. Advanced Optical Materials, 2021, 9, 2100307.	3.6	73
66	Numerical analysis of optical bistability based on Fiber Bragg Grating cavity containing a high nonlinearity doped-fiber. Optics Communications, 2012, 285, 521-526.	1.0	72
67	Flower-like nickel-zinc-cobalt mixed metal oxide nanowire arrays for electrochemical capacitor applications. Journal of Alloys and Compounds, 2017, 708, 146-153.	2.8	72
68	Conductometric room temperature ammonia sensors based on titanium dioxide nanoparticles decorated thin black phosphorus nanosheets. Sensors and Actuators B: Chemical, 2021, 349, 130770.	4.0	72
69	Low-operating temperature ammonia sensor based on Cu₂O nanoparticles decorated with p-type MoS₂nanosheets. Journal of Materials Chemistry C, 2021, 9, 4838-4846.	2.7	72
70	Stable and low-threshold whispering-gallery-mode lasing from modified CsPbBr3 perovskite quantum dots@SiO2 sphere. Chemical Engineering Journal, 2020, 401, 126066.	6.6	67
71	Robust Cesium Lead Halide Perovskite Microcubes for Frequency Upconversion Lasing. Advanced Optical Materials, 2017, 5, 1700419.	3.6	64
72	Small Molecule Modulator at the Interface for Efficient Perovskite Solar Cells with High Shortâ€Circuit Current Density and Hysteresis Free. Advanced Electronic Materials, 2020, 6, 2000604.	2.6	62

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73	CsPbBr3/Reduced Graphene Oxide nanocomposites and their enhanced photoelectric detection application. Sensors and Actuators B: Chemical, 2017, 245, 435-440.	4.0	61
74	Room-temperature doping of ytterbium into efficient near-infrared emission CsPbBr_{1.5}Cl_{1.5} perovskite quantum dots. Chemical Communications, 2020, 56, 5811-5814.	2.2	61
75	Two-step method for preparing all-inorganic CsPbBr3 perovskite film and its photoelectric detection application. Materials Letters, 2017, 186, 243-246.	1.3	60
76	Transient Resistive Switching Memory of CsPbBr₃ Thin Films. Advanced Electronic Materials, 2018, 4, 1700596.	2.6	60
77	Allâ€Inorganic Leadâ€Free Perovskite(â€Like) Single Crystals: Synthesis, Properties, and Applications. Small Methods, 2021, 5, e2001308.	4.6	60
78	Template Assembled Largeâ€Size CsPbBr₃ Nanocomposite Films toward Flexible, Stable, and Highâ€Performance Xâ€Ray Scintillators. Laser and Photonics Reviews, 2022, 16, .	4.4	59
79	The Role of Mineral Acid Doping of PEDOT:PSS and Its Application in Organic Photovoltaics. Advanced Electronic Materials, 2020, 6, 1900648.	2.6	56
80	Human hair keratin for physically transient resistive switching memory devices. Journal of Materials Chemistry C, 2019, 7, 3315-3321.	2.7	55
81	Synthesis mechanism and optical properties of well nanoflower-shaped ZnO fabricated by a facile method. Optical Materials Express, 2014, 4, 1762.	1.6	53
82	Room temperature synthesis of stable silica-coated CsPbBr₃ quantum dots for amplified spontaneous emission. Photonics Research, 2020, 8, 1605.	3.4	53
83	Sodium Benzenesulfonate Modified Poly (3,4â€Ethylenedioxythiophene):Polystyrene Sulfonate with Improved Wettability and Work Function for Efficient and Stable Perovskite Solar Cells. Solar Rrl, 2021, 5, .	3.1	51
84	Ultrapure and highly efficient green light emitting devices based on ligand-modified CsPbBr₃ quantum dots. Photonics Research, 2020, 8, 1086.	3.4	51
85	Luminescent AIZS-GO nanocomposites as fluorescent probe for detecting copper(II) ion. Sensors and Actuators B: Chemical, 2016, 233, 25-30.	4.0	49
86	Eco-friendly and high-performance photoelectrochemical anode based on AgInS₂ quantum dots embedded in 3D graphene nanowalls. Journal of Materials Chemistry C, 2019, 7, 9830-9839.	2.7	48
87	Ion diffusion-induced double layer doping toward stable and efficient perovskite solar cells. Nano Research, 2022, 15, 5114-5122.	5.8	47
88	Surfaceâ€Passivated Cesium Lead Halide Perovskite Quantum Dots: Toward Efficient Lightâ€Emitting Diodes with an Inverted Sandwich Structure. Advanced Optical Materials, 2018, 6, 1800007.	3.6	44
89	Inorganic lead-free cesium copper chlorine nanocrystal for highly efficient and stable warm white light-emitting diodes. Photonics Research, 2021, 9, 187.	3.4	44
90	Tunable electronic structures and high efficiency obtained by introducing superalkali and superhalogen into AMX3-type perovskites. Journal of Power Sources, 2019, 429, 120-126.	4.0	43

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91	Tunable photoluminescence of CsPbBr3 perovskite quantum dots for light emitting diodes application. Journal of Solid State Chemistry, 2017, 255, 115-120.	1.4	42
92	Room temperature synthesis of Sn²⁺doped highly luminescent CsPbBr₃quantum dots for high CRI white light-emitting diodes. Nanoscale, 2021, 13, 9740-9746.	2.8	42
93	Methylammonium chloride as an interface modificator for planar-structure perovskite solar cells with a high open circuit voltage of 1.19V. Journal of Power Sources, 2020, 480, 229073.	4.0	41
94	Highly Efficient and Ultraâ€Broadband Yellow Emission of Leadâ€Free Antimony Halide toward White Lightâ€Emitting Diodes and Visible Light Communication. Laser and Photonics Reviews, 2022, 16, .	4.4	36
95	One-Volt, Solution-Processed InZnO Thin-Film Transistors. IEEE Electron Device Letters, 2021, 42, 525-528.	2.2	35
96	Opportunities and challenges of inorganic perovskites in high-performance photodetectors. Journal Physics D: Applied Physics, 2021, 54, 293002.	1.3	35
97	Interfacial defect passivation by novel phosphonium salts yields 22% efficiency perovskite solar cells: Experimental and theoretical evidence. EcoMat, 2022, 4, .	6.8	35
98	I-III-VI chalcogenide semiconductor nanocrystals: Synthesis, properties, and applications. Chinese Journal of Catalysis, 2018, 39, 590-605.	6.9	33
99	High-Efficiency and Stable Inverted Planar Perovskite Solar Cells with Pulsed Laser Deposited Cu-Doped NiO_x Hole-Transport Layers. ACS Applied Materials & Interfaces, 2020, 12, 50684-50691.	4.0	33
100	Dual Resistance and Impedance Investigation: Ultrasensitive and Stable Humidity Detection of Molybdenum Disulfide Nanosheet-Polyethylene Oxide Hybrids. ACS Applied Materials & Interfaces, 2021, 13, 25250-25259.	4.0	33
101	Eliminating J-V hysteresis in perovskite solar cells via defect controlling. Organic Electronics, 2018, 58, 283-289.	1.4	29
102	Enhanced single-mode lasers of all-inorganic perovskite nanocube by localized surface plasmonic effect from Au nanoparticles. Journal of Luminescence, 2019, 208, 402-407.	1.5	28
103	Pressureâ€assisted cooling to grow ultraâ€stable <scp>Cs₃Cu₂I₅</scp> and <scp>CsCu₂I₃</scp> single crystals for solidâ€state lighting and visible light communication. EcoMat, 2022, 4, .	6.8	28
104	Fabrication of high quality and low cost microlenses on a glass substrate by direct printing technique. Applied Optics, 2014, 53, 7868.	2.1	27
105	All-Inorganic Perovskite CsPb2Br5 Microsheets for Photodetector Application. Frontiers in Physics, 2018, 5, .	1.0	26
106	Inorganic halide perovskites for lighting and visible light communication. Photonics Research, 2022, 10, 1039.	3.4	26
107	Simultaneous Passivation of Bulk and Interface Defects with Gradient 2D/3D Heterojunction Engineering for Efficient and Stable Perovskite Solar Cells. ACS Applied Materials & Interfaces, 2022, 14, 21079-21088.	4.0	26
108	Inhibition of Inâ€Plane Charge Transport in Hole Transfer Layer to Achieve High Fill Factor for Inverted Planar Perovskite Solar Cells. Solar Rrl, 2019, 3, 1900104.	3.1	25

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109	Crystal Orientation Modulation and Defect Passivation for Efficient and Stable Methylammonium-Free Dion-Jacobson Quasi-2D Perovskite Solar Cells. ACS Applied Materials & Interfaces, 2021, 13, 29567-29575.	4.0	24
110	Nanocomposites of AgInZnS and graphene nanosheets as efficient photocatalysts for hydrogen evolution. Nanoscale, 2015, 7, 18498-18503.	2.8	23
111	Hybrid optical fiber add-drop filter based on wavelength dependent light coupling between micro/nano fiber ring and side-polished fiber. Scientific Reports, 2015, 5, 7710.	1.6	21
112	Intrinsic white-light emission from low-dimensional perovskites for white-light-emitting diodes with high-color-rendering index. Cell Reports Physical Science, 2021, 2, 100585.	2.8	21
113	Optoelectronic Modulation of Undoped NiO_x Films for Inverted Perovskite Solar Cells via Intrinsic Defect Regulation. ACS Applied Energy Materials, 2020, 3, 9732-9741.	2.5	20
114	Ion migration suppression mechanism via 4-sulfobenzoic acid monopotassium salt for 22.7% stable perovskite solar cells. Science China Materials, 2022, 65, 3368-3381.	3.5	19
115	Interdigitated CuS/TiO2 Nanotube Bulk Heterojunctions Achieved via Ion Exchange. Electrochimica Acta, 2016, 199, 180-186.	2.6	17
116	All-optically reconfigurable and tunable fiber surface grating for in-fiber devices: a wideband tunable filter. Optics Express, 2014, 22, 5950.	1.7	16
117	Synthesis of Mn doping Agâ€“Inâ€“Znâ€“S nanoparticles and their photoluminescence properties. Materials and Design, 2016, 91, 256-261.	3.3	16
118	Synthesis of CuInZnS quantum dots for cell labelling applications. Ceramics International, 2018, 44, S34-S37.	2.3	16
119	Tunable dual emission in Mn²⁺-doped CsPbX₃ (X = Cl, Br) quantum dots for high efficiency white light-emitting diodes. Nanotechnology, 2019, 30, 075704.	1.3	16
120	Interfacial gradient energy band alignment modulation via ion exchange reaction toward efficient and stable methylammonium-free Dion-Jacobson quasi-2D perovskite solar cells. Journal of Power Sources, 2021, 506, 230213.	4.0	16
121	Doubleâ€Side Interface Engineering Synergistically Boosts the Efficiency of Inorganic CsPbIBr₂ Perovskite Solar Cells Over 12%. Advanced Optical Materials, 2022, 10, .	3.6	16
122	A facile method for the synthesis of quaternary Agâ€“Inâ€“Znâ€“S alloyed nanorods. Nanoscale, 2014, 6, 11803-11809.	2.8	13
123	A facile method for synthesizing AgInZnS/RGO nanocomposites and their photoelectric detection application. Materials Letters, 2016, 182, 240-243.	1.3	13
124	Enhanced p-Type Conductivity of NiO_x Films with Divalent Cd Ion Doping for Efficient Inverted Perovskite Solar Cells. ACS Applied Materials & Interfaces, 2022, 14, 17434-17443.	4.0	13
125	Selfâ€Formed Multifunctional Grain Boundary Passivation Layer Achieving 22.4% Efficient and Stable Perovskite Solar Cells. Solar Rrl, 2022, 6, .	3.1	13
126	Deciphering Ultrafast Carrier Dynamics of Eco-Friendly ZnSeTe-Based Quantum Dots: Toward High-Quality Blueâ€“Green Emitters. Journal of Physical Chemistry Letters, 2021, 12, 11931-11938.	2.1	13

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127	High-Performance Photodetectors With X-Ray Responsivity Based on Interface Modified Perovskite Film. IEEE Electron Device Letters, 2020, 41, 1044-1047.	2.2	12
128	Facile synthesis and photoluminescence characterization of AgInZnS hollow nanoparticles. Materials Letters, 2015, 151, 89-92.	1.3	11
129	Interface modification by ethanolamine interfacial layer for efficient planar structure perovskite solar cells. Journal of Power Sources, 2021, 513, 230549.	4.0	11
130	Performance enhancement of solution-processed InZnO thin-film transistors by Al doping and surface passivation. Journal of Semiconductors, 2022, 43, 034102.	2.0	11
131	Stable yellow light emission from lead-free copper halides single crystals for visible light communication. Nano Materials Science, 2023, 5, 78-85.	3.9	11
132	Highly efficient emission and high-CRI warm white light-emitting diodes from ligand-modified CsPbBr₃ quantum dots. Opto-Electronic Advances, 2021, .	6.4	10
133	Fabrication and integration of quasi-one-dimensional hierarchical TiO₂nanotubes for dye-sensitized solar cells. CrystEngComm, 2015, 17, 8327-8331.	1.3	9
134	Resistive switching characteristics of AgInZnS nanoparticles. Ceramics International, 2018, 44, S152-S155.	2.3	9
135	Transient multiexponential signals analysis using Bayesian deconvolution. Applied Mathematics and Computation, 2015, 265, 486-493.	1.4	8
136	Improving Humidity Sensing of Black Phosphorus Nanosheets by Co-Doping Benzyl Viologen and Au Nanoparticles. Journal of the Electrochemical Society, 2022, 169, 017513.	1.3	8
137	Excited-state regulation in eco-friendly ZnSeTe-based quantum dots by cooling engineering. Science China Materials, 2022, 65, 1569-1576.	3.5	8
138	Opportunities and challenges of low-dimensional hybrid metal halides in white light-emitting diodes. Journal Physics D: Applied Physics, 2022, 55, 333003.	1.3	8
139	Synthesis of Ag-In-Zn-S alloyed nanorods and their biological application. Nanotechnology, 2014, 25, 485702.	1.3	6
140	Heat effects of amorphous FeCuNbSiB alloy ablated with femtosecond laser. Thin Solid Films, 2008, 516, 2260-2263.	0.8	5
141	Stabilizing Perovskite Precursor by Synergy of Functional Groups for NiOxâ€Based Inverted Solar Cells with 23.5% Efficiency. Angewandte Chemie, 0, , .	1.6	3
142	Swift-heavy ion implanted Nd:YVO4 waveguides with birefringence preservation and Raman gain enhancement. Optik, 2017, 140, 579-583.	1.4	2
143	Perovskite Quantum Dots: Ultrathin, Coreâ€“Shell Structured SiO 2 Coated Mn 2+ â€Doped Perovskite Quantum Dots for Bright White Lightâ€Emitting Diodes (Small 19/2019). Small, 2019, 15, 1970101.	5.2	2
144	All-Inorganic Perovskite Quantum Dots: Ligand Modification, Surface Treatment and Other Strategies for Enhanced Stability and Durability. Springer Series in Materials Science, 2020, , 51-106.	0.4	2

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145	Single cuprous oxide films synthesized by radical oxidation at low temperature for PV application: notice of redundant publication. Optics Express, 2019, 27, 30449.	1.7	2
146	The optical performance of all-optical switching based on fiber Bragg grating. , 2011, , .		1
147	High sensitivity side-polished multimode fiber based refractometer. Proceedings of SPIE, 2014, , .	0.8	1
148	Twoâ€Photon Lasers: Perovskite CsPb₂Br₅ Microplate Laser with Enhanced Stability and Tunable Properties (Advanced Optical Materials 3/2017). Advanced Optical Materials, 2017, 5, .	3.6	1
149	The optical performance of all-optical switching based on fiber Bragg grating. , 2010, , .		0
150	A novel low-switching power (45 mW) optical bistability devise using fiber Bragg grating pair separated by a ytterbium-doped fiber. , 2010, , .		0
151	Single cuprous oxide films synthesized by radical oxidation at low temperature for PV application: publisherâ€™s note. Optics Express, 2019, 27, 33143.	1.7	0