

Rui Chen

List of Publications by Year in descending order

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261
papers

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times ranked

12102
citing authors

#	ARTICLE	IF	CITATIONS
1	Hierarchical Assembly of ZnO Nanostructures on SnO ₂ Backbone Nanowires: Low-Temperature Hydrothermal Preparation and Optical Properties. ACS Nano, 2009, 3, 3069-3076.	7.3	260
2	Room Temperature Excitonic Whispering Gallery Mode Lasing from High-Quality Hexagonal ZnO Microdisks. Advanced Materials, 2011, 23, 2199-2204.	11.1	236
3	All-Inorganic Quantum Dot LEDs Based on a Phase-Stabilized $\text{I}^{\pm}\text{CsPbI}_3$ Perovskite. Angewandte Chemie - International Edition, 2021, 60, 16164-16170.	7.2	210
4	Cross Relaxation Induced Pure Red Upconversion in Activator- and Sensitizer-Rich Lanthanide Nanoparticles. Chemistry of Materials, 2014, 26, 5183-5186.	3.2	195
5	Biocompatible D^{A} Semiconducting Polymer Nanoparticle with Light-Harvesting Unit for Highly Effective Photoacoustic Imaging Guided Photothermal Therapy. Advanced Functional Materials, 2017, 27, 1605094.	7.8	188
6	Stimulated Emission and Lasing from CdSe/CdS/ZnS Core-Multi-Shell Quantum Dots by Simultaneous Three-Photon Absorption. Advanced Materials, 2014, 26, 2954-2961.	11.1	172
7	High-Performance Blue Perovskite Light-Emitting Diodes Enabled by Efficient Energy Transfer between Coupled Quasi-2D Perovskite Layers. Advanced Materials, 2021, 33, e2005570.	11.1	171
8	A e^{-} -turn-on fluorescence sensor for Pb ²⁺ detection based on graphene quantum dots and gold nanoparticles. Sensors and Actuators B: Chemical, 2018, 255, 1577-1581.	4.0	162
9	Graphitic carbon nitride nanosheet@metal-organic framework core-shell nanoparticles for photo-chemo combination therapy. Nanoscale, 2015, 7, 17299-17305.	2.8	160
10	Ultrahigh-Sensitive Broadband Photodetectors Based on Dielectric Shielded MoTe ₂ /Graphene/SnS ₂ p-g-n Junctions. Advanced Materials, 2019, 31, e1805656.	11.1	138
11	Realizing a SnO ₂ -based ultraviolet light-emitting diode via breaking the dipole-forbidden rule. NPG Asia Materials, 2012, 4, e30-e30.	3.8	137
12	Conjugated Polymer-Assisted Grain Boundary Passivation for Efficient Inverted Planar Perovskite Solar Cells. Advanced Functional Materials, 2019, 29, 1808855.	7.8	133
13	Blue Liquid Lasers from Solution of CdZnS/ZnS Ternary Alloy Quantum Dots with Quasi-Continuous Pumping. Advanced Materials, 2015, 27, 169-175.	11.1	127
14	Photoluminescence characteristics of high quality ZnO nanowires and its enhancement by polymer covering. Applied Physics Letters, 2010, 96, .	1.5	125
15	Highly Stable Near-Infrared Fluorescent Organic Nanoparticles with a Large Stokes Shift for Noninvasive Long-Term Cellular Imaging. ACS Applied Materials & Interfaces, 2015, 7, 26266-26274.	4.0	122
16	Tuning Whispering Gallery Mode Lasing from Self-Assembled Polymer Droplets. Scientific Reports, 2013, 3, 1362.	1.6	116
17	Optical and Excitonic Properties of Crystalline ZnS Nanowires: Toward Efficient Ultraviolet Emission at Room Temperature. Nano Letters, 2010, 10, 4956-4961.	4.5	114
18	Optical properties of quasi-type-II structure in GaAs/GaAsSb/GaAs coaxial single quantum-well nanowires. Applied Physics Letters, 2018, 113, .	1.5	112

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19	Whispering gallery mode microlasers and refractive index sensing based on single polymer fiber. <i>Laser and Photonics Reviews</i> , 2013, 7, 133-139.	4.4	111
20	UV light emitting transparent conducting tin-doped indium oxide (ITO) nanowires. <i>Nanotechnology</i> , 2011, 22, 195706.	1.3	104
21	Fluorescent pH Sensor Based on Ag@SiO ₂ Core-Shell Nanoparticle. <i>ACS Applied Materials & Interfaces</i> , 2013, 5, 5856-5860.	4.0	102
22	Stable, Strongly Emitting Cesium Lead Bromide Perovskite Nanorods with High Optical Gain Enabled by an Intermediate Monomer Reservoir Synthetic Strategy. <i>Nano Letters</i> , 2019, 19, 6315-6322.	4.5	101
23	Au Nanorod Decoration on NaYF ₄ :Yb/Tm Nanoparticles for Enhanced Emission and Wavelength-Dependent Biomolecular Sensing. <i>ACS Applied Materials & Interfaces</i> , 2013, 5, 3508-3513.	4.0	98
24	Vertically Aligned Cadmium Chalcogenide Nanowire Arrays on Muscovite Mica: A Demonstration of Epitaxial Growth Strategy. <i>Nano Letters</i> , 2011, 11, 3051-3057.	4.5	94
25	Stable and Low-Threshold Optical Gain in CdSe/CdS Quantum Dots: An All-Colloidal Frequency Up-Converted Laser. <i>Advanced Materials</i> , 2015, 27, 2741-2746.	11.1	92
26	High-Salt-Tolerance Matrix for Facile Detection of Glucose in Rat Brain Microdialysates by MALDI Mass Spectrometry. <i>Analytical Chemistry</i> , 2012, 84, 465-469.	3.2	91
27	Oxygen rich <i>p</i> -type ZnO thin films using wet chemical route with enhanced carrier concentration by temperature-dependent tuning of acceptor defects. <i>Journal of Applied Physics</i> , 2011, 110, .	1.1	89
28	Simultaneous Low-Order Phase Suppression and Defect Passivation for Efficient and Stable Blue Light-Emitting Diodes. <i>ACS Energy Letters</i> , 2020, 5, 2569-2579.	8.8	89
29	Exciton Localization and Optical Properties Improvement in Nanocrystal-Embedded ZnO Core-Shell Nanowires. <i>Nano Letters</i> , 2013, 13, 734-739.	4.5	85
30	Tuning an Electrode Work Function Using Organometallic Complexes in Inverted Perovskite Solar Cells. <i>Journal of the American Chemical Society</i> , 2021, 143, 7759-7768.	6.6	85
31	Electrostatic energy harvesting device with dual resonant structure for wideband random vibration sources at low frequency. <i>Review of Scientific Instruments</i> , 2016, 87, 125001.	0.6	83
32	Bending-Induced Bidirectional Tuning of Whispering Gallery Mode Lasing from Flexible Polymer Fibers. <i>ACS Photonics</i> , 2014, 1, 11-16.	3.2	79
33	Exciton-Related Photoluminescence and Lasing in CdS Nanobelts. <i>Journal of Physical Chemistry C</i> , 2011, 115, 12826-12830.	1.5	78
34	Spectroscopic studies of chiral perovskite nanocrystals. <i>Applied Physics Letters</i> , 2017, 111, .	1.5	77
35	Self-Assembled Flexible Microlasers. <i>Advanced Materials</i> , 2012, 24, OP60-4.	11.1	76
36	Multicolor Hybrid Upconversion Nanoparticles and Their Improved Performance as Luminescence Temperature Sensors Due to Energy Transfer. <i>Small</i> , 2013, 9, 1052-1057.	5.2	75

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37	Coupled Polymer Microfiber Lasers for Single Mode Operation and Enhanced Refractive Index Sensing. <i>Advanced Optical Materials</i> , 2014, 2, 220-225.	3.6	75
38	Synthesis and optical properties of In_2S_3 1D nanostructures. <i>Nanoscale</i> , 2012, 4, 1422.	2.8	74
39	Characteristics of ultraviolet photoluminescence from high quality tin oxide nanowires. <i>Applied Physics Letters</i> , 2009, 95, 061908.	1.5	73
40	Excitonic Properties and Near-Infrared Coherent Random Lasing in Vertically Aligned CdSe Nanowires. <i>Advanced Materials</i> , 2011, 23, 1404-1408.	11.1	70
41	3-Dimensional photonic crystal surface enhanced upconversion emission for improved near-infrared photoresponse. <i>Nanoscale</i> , 2014, 6, 817-824.	2.8	69
42	Fine Structure of Ultraviolet Photoluminescence of Tin Oxide Nanowires. <i>Journal of Physical Chemistry C</i> , 2010, 114, 3407-3410.	1.5	68
43	Organic nanostructures of thermally activated delayed fluorescent emitters with enhanced intersystem crossing as novel metal-free photosensitizers. <i>Chemical Communications</i> , 2016, 52, 11744-11747.	2.2	68
44	Quenching of surface traps in Mn doped ZnO thin films for enhanced optical transparency. <i>Applied Surface Science</i> , 2011, 258, 890-897.	3.1	65
45	Optical properties and applications of two-dimensional CdSe nanoplatelets. <i>Information Materials</i> , 2020, 2, 905-927.	8.5	65
46	Single Mode Lasing from Hybrid Hemispherical Microresonators. <i>Scientific Reports</i> , 2012, 2, 244.	1.6	63
47	Efficient Energy Transfer and Enhanced Infrared Emission in Er-Doped ZnO-SiO_2 Composites. <i>Journal of Physical Chemistry C</i> , 2012, 116, 13458-13462.	1.5	61
48	All-inorganic copper(I)-based ternary metal halides: promising materials toward optoelectronics. <i>Nanoscale</i> , 2020, 12, 15560-15576.	2.8	60
49	Mechanism Studies on the Superior Optical Limiting Observed in Graphene Oxide Covalently Functionalized with Upconversion $\text{NaYF}_4:\text{Yb}^{3+}/\text{Er}^{3+}$ Nanoparticles. <i>Small</i> , 2012, 8, 2163-2168.	5.2	59
50	Manipulation of Surface Plasmon Resonance in Sub-Stoichiometry Molybdenum Oxide Nanodots through Charge Carrier Control Technique. <i>Journal of Physical Chemistry C</i> , 2017, 121, 5208-5214.	1.5	58
51	Giant Nonlinear Optical Response in 2D Perovskite Heterostructures. <i>Advanced Optical Materials</i> , 2019, 7, 1900398.	3.6	58
52	Over 16% efficiency all-polymer solar cells by sequential deposition. <i>Science China Chemistry</i> , 2022, 65, 1157-1163.	4.2	58
53	Sb-Induced Phase Control of InAsSb Nanowires Grown by Molecular Beam Epitaxy. <i>Nano Letters</i> , 2015, 15, 1109-1116.	4.5	55
54	Strong two-photon absorption of Mn-doped CsPbCl_3 perovskite nanocrystals. <i>Applied Physics Letters</i> , 2017, 111, .	1.5	55

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55	Alteration of Mn exchange coupling by oxygen interstitials in ZnO:Mn thin films. <i>Applied Surface Science</i> , 2012, 258, 6373-6378.	3.1	53
56	Tunable Chiroptical Properties from the Plasmonic Band to Metal-Ligand Charge Transfer Band of Cysteine-Capped Molybdenum Oxide Nanoparticles. <i>Angewandte Chemie - International Edition</i> , 2018, 57, 10236-10240.	7.2	53
57	Interlayer Transition in a vdW Heterostructure toward Ultrahigh Detectivity Shortwave Infrared Photodetectors. <i>Advanced Functional Materials</i> , 2020, 30, 1905687.	7.8	52
58	Optically pumped ultraviolet lasing from nitride nanopillars at room temperature. <i>Applied Physics Letters</i> , 2010, 96, .	1.5	51
59	Influence of Exciton Localization on the Emission and Ultraviolet Photoresponse of ZnO/ZnS Core-Shell Nanowires. <i>ACS Applied Materials & Interfaces</i> , 2015, 7, 10331-10336.	4.0	50
60	Electronic energy levels and carrier dynamics in InAs/InGaAs dots-in-a-well structure investigated by optical spectroscopy. <i>Journal of Applied Physics</i> , 2010, 107, 013513.	1.1	49
61	Ultrafast optical nonlinearity of blue-emitting perovskite nanocrystals. <i>Photonics Research</i> , 2018, 6, 554.	3.4	48
62	Multicolor lasing prints. <i>Applied Physics Letters</i> , 2015, 107, .	1.5	47
63	Ultraviolet light emission and excitonic fine structures in ultrathin single-crystalline indium oxide nanowires. <i>Applied Physics Letters</i> , 2010, 96, .	1.5	46
64	Localized suppression of longitudinal-optical-phonon-exciton coupling in bent ZnO nanowires. <i>Nanotechnology</i> , 2010, 21, 445706.	1.3	46
65	A SnO ₂ Nanoparticle/Nanobelt and Si Heterojunction Light-Emitting Diode. <i>Journal of Physical Chemistry C</i> , 2010, 114, 18390-18395.	1.5	46
66	Surface Eu-Treated ZnO Nanowires with Efficient Red Emission. <i>Journal of Physical Chemistry C</i> , 2010, 114, 18081-18084.	1.5	43
67	Application of self-assembled hemispherical microlasers as gas sensors. <i>Applied Physics Letters</i> , 2013, 102, .	1.5	43
68	Uniaxial tensile strain and exciton-phonon coupling in bent ZnO nanowires. <i>Applied Physics Letters</i> , 2011, 98, 241916.	1.5	42
69	Enhanced indirect ferromagnetic p-d exchange coupling of Mn in oxygen rich ZnO:Mn nanoparticles synthesized by wet chemical method. <i>Journal of Applied Physics</i> , 2012, 111, .	1.1	42
70	Ultraviolet Electroluminescence from ZnS@ZnO Core-Shell Nanowires/p-GaN Introduced by Exciton Localization. <i>ACS Applied Materials & Interfaces</i> , 2016, 8, 1661-1666.	4.0	42
71	Investigation of Localized States in GaAsSb Epilayers Grown by Molecular Beam Epitaxy. <i>Scientific Reports</i> , 2016, 6, 29112.	1.6	41
72	N-(1-Naphthyl) Ethylenediamine Dinitrate: A New Matrix for Negative Ion MALDI-TOF MS Analysis of Small Molecules. <i>Journal of the American Society for Mass Spectrometry</i> , 2012, 23, 1454-1460.	1.2	40

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73	Enhanced emission of NaYF ₄ :Yb,Er/Tm nanoparticles by selective growth of Au and Ag nanoshells. RSC Advances, 2013, 3, 7718.	1.7	40
74	Optical biosensor based on liquid crystal droplets for detection of cholic acid. Optics Communications, 2016, 381, 286-291.	1.0	40
75	Stabilizing n-type hetero-junctions for NiO _x based inverted planar perovskite solar cells with an efficiency of 21.6%. Journal of Materials Chemistry A, 2020, 8, 1865-1874.	5.2	40
76	Chiral Transition Metal Oxides: Synthesis, Chiral Origins, and Perspectives. Advanced Materials, 2020, 32, e1905585.	11.1	40
77	Recent progress on two-dimensional layered materials for surface enhanced Raman spectroscopy and their applications. Materials Today Physics, 2021, 18, 100378.	2.9	40
78	Endowing inorganic nanomaterials with circularly polarized luminescence. Aggregate, 2022, 3, .	5.2	40
79	Study of the cation distributions in Eu doped Sr ₂ Y ₈ (SiO ₄) ₆ O ₂ by X-ray diffraction and photoluminescent spectra. Journal of Solid State Chemistry, 2010, 183, 3093-3099.	1.4	39
80	Chiral CdSe nanoplatelets as an ultrasensitive probe for lead ion sensing. Nanoscale, 2019, 11, 9327-9334.	2.8	39
81	Dual Fenton Catalytic Nanoreactor for Integrative Type-I and Type-II Photodynamic Therapy Against Hypoxic Cancer Cells. ACS Applied Bio Materials, 2019, 2, 3854-3860.	2.3	38
82	Comparison Studies of the Linear and Nonlinear Optical Properties of CsPbBr ₃ Nanocrystals: The Influence of Dimensionality and Composition. Journal of Physical Chemistry C, 2019, 123, 9538-9543.	1.5	38
83	Highly sensitive and selective liquid crystal optical sensor for detection of ammonia. Optics Express, 2017, 25, 13549.	1.7	37
84	Green Mass Production of Pure Nanodrugs via an Ice-Template-Assisted Strategy. Nano Letters, 2019, 19, 658-665.	4.5	37
85	Effective Surface Ligand-Concentration Tuning of Deep-Blue Luminescent FAPbBr ₃ Nanoplatelets with Enhanced Stability and Charge Transport. ACS Applied Materials & Interfaces, 2020, 12, 31863-31874.	4.0	37
86	AC-driven, color- and brightness-tunable organic light-emitting diodes constructed from an electron only device. Organic Electronics, 2013, 14, 3195-3200.	1.4	36
87	High-Quality Dual-Plasmonic Au@Cu ₂ Se Nanocrescents with Precise Cu ₂ Se Domain Size Control and Tunable Optical Properties in the Second Near-Infrared Biowindow. Chemistry of Materials, 2019, 31, 9875-9886.	3.2	36
88	Pulsed laser deposition of high-quality ZnCdO epilayers and ZnCdO/ZnO single quantum well on sapphire substrate. Applied Physics Letters, 2010, 97, 061911.	1.5	34
89	Geometry-Programmable Perovskite Microlaser Patterns for Two-Dimensional Optical Encryption. Nano Letters, 2021, 21, 6792-6799.	4.5	34
90	High-Performance Blue Quasi-2D Perovskite Light-Emitting Diodes via Balanced Carrier Confinement and Transfer. Nano-Micro Letters, 2022, 14, 66.	14.4	34

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91	Linear and nonlinear optical characteristics of all-inorganic perovskite CsPbBr ₃ quantum dots modified by hydrophobic zeolites. <i>Nanoscale</i> , 2018, 10, 22766-22774.	2.8	33
92	Multiphoton absorption in low-dimensional cesium copper iodide single crystals. <i>Journal of Materials Chemistry C</i> , 2020, 8, 16923-16929.	2.7	33
93	Incorporating Copper Nanoclusters into Metal-Organic Frameworks: Confinement-Assisted Emission Enhancement and Application for Trinitrotoluene Detection. <i>Particle and Particle Systems Characterization</i> , 2017, 34, 1700029.	1.2	32
94	Proton Conducting Polyoxometalate/Polypyrrole Films and Their Humidity Sensing Performance. <i>ACS Applied Nano Materials</i> , 2018, 1, 564-571.	2.4	32
95	Boosting the Efficiency of NiO-Based Perovskite Light-Emitting Diodes by Interface Engineering. <i>ACS Applied Materials & Interfaces</i> , 2020, 12, 53528-53536.	4.0	32
96	Oxalate Pushes Efficiency of CsPb _{0.7} Sn _{0.3} IBr ₂ Based All-Inorganic Perovskite Solar Cells to over 14%. <i>Advanced Science</i> , 2022, 9, e2106054.	5.6	32
97	Synergetically Enhanced Near-Infrared Photoresponse of Reduced Graphene Oxide by Upconversion and Gold Plasmon. <i>Small</i> , 2014, 10, 3637-3643.	5.2	31
98	Magnetic field induced ferroelectricity and half magnetization plateau in polycrystalline R ₂ V ₂ O ₇ (R=Ni,Co). <i>Physical Review B</i> , 2018, 98, .	1.1	31
99	Temperature dependent optical characteristics of all-inorganic CsPbBr ₃ nanocrystals film. <i>Materials Today Physics</i> , 2020, 15, 100259.	2.9	30
100	Comparative study of field-dependent carrier dynamics and emission kinetics of InGaN/GaN light-emitting diodes grown on (112̂ ²) semipolar versus (0001) polar planes. <i>Applied Physics Letters</i> , 2014, 104, .	1.5	29
101	Efficient Energy Transfer under Two-Photon Excitation in a 3D, Supramolecular, Zn(II)-Coordinated, Self-Assembled Organic Network. <i>Advanced Optical Materials</i> , 2014, 2, 40-47.	3.6	29
102	Reconfigurable Liquid Whispering Gallery Mode Microlasers. <i>Scientific Reports</i> , 2016, 6, 27200.	1.6	29
103	Two-photon-pumped stimulated emission from ZnO single crystal. <i>Applied Physics Letters</i> , 2011, 99, .	1.5	28
104	Self-Structural Healing of Encapsulated Perovskite Microcrystals for Improved Optical and Thermal Stability. <i>Advanced Materials</i> , 2021, 33, e2100466.	11.1	28
105	Investigation of Structured Green-Band Emission and Electron-Phonon Interactions in Vertically Aligned ZnO Nanowires. <i>Journal of Physical Chemistry C</i> , 2010, 114, 17889-17893.	1.5	27
106	Nitrogen doping in pulsed laser deposited ZnO thin films using dense plasma focus. <i>Applied Surface Science</i> , 2011, 257, 1979-1985.	3.1	26
107	Concise Synthesis and Two-Photon-Excited Deep-Blue Emission of 1,8-Diazapyrenes. <i>Chemistry - an Asian Journal</i> , 2012, 7, 2090-2095.	1.7	26
108	Exciting Dilute Magnetic Semiconductor: Copper-Doped ZnO. <i>Journal of Superconductivity and Novel Magnetism</i> , 2013, 26, 187-195.	0.8	26

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109	Tuning the influence of metal nanoparticles on ZnO photoluminescence by atomic-layer-deposited dielectric spacer. <i>Nanophotonics</i> , 2013, 2, 153-160.	2.9	26
110	Efficient three-color white organic light-emitting diodes with a spaced multilayer emitting structure. <i>Applied Physics Letters</i> , 2015, 106, .	1.5	26
111	Developmental toxicity and thyroid hormone-disrupting effects of 2,4-dichloro-6-nitrophenol in Chinese rare minnow (<i>Gobiocypris rarus</i>). <i>Aquatic Toxicology</i> , 2017, 185, 40-47.	1.9	26
112	Optical Characteristics of ZnS Passivated CdSe/CdS Quantum Dots for High Photostability and Lasing. <i>Scientific Reports</i> , 2018, 8, 17323.	1.6	26
113	Water-soluble chiral CdSe/CdS dot/rod nanocrystals for two-photon fluorescence lifetime imaging and photodynamic therapy. <i>Nanoscale</i> , 2019, 11, 15245-15252.	2.8	26
114	Preparation of Aluminum Nanomesh Thin Films from an Anodic Aluminum Oxide Template as Transparent Conductive Electrodes. <i>Scientific Reports</i> , 2016, 6, 20114.	1.6	25
115	Enhanced Optical Nonlinearity in Noncovalently Functionalized Amphiphilic Graphene Composites. <i>ChemPlusChem</i> , 2012, 77, 688-693.	1.3	24
116	Enhanced ferromagnetic response in ZnO:Mn thin films by tailoring composition and defect concentration. <i>Journal of Magnetism and Magnetic Materials</i> , 2013, 344, 171-175.	1.0	24
117	Observation of polarized gain from aligned colloidal nanorods. <i>Nanoscale</i> , 2015, 7, 6481-6486.	2.8	24
118	2, 4-Dichloro-6-nitrophenol, a photonitration product of 2, 4-dichlorophenol, caused anti-androgenic potency in Chinese rare minnows (<i>Gobiocypris rarus</i>). <i>Environmental Pollution</i> , 2016, 216, 591-598.	3.7	24
119	Novel chain magnetization process and noncollinear spin chain in the spin-1 honeycomb antiferromagnet $\text{Ni}_2\text{V}_2\text{O}_8$. <i>Physical Review B</i> , 2018, 98, 080407.	1.1	24
120	Effect of Lateral Size and Surface Passivation on the Near-Band-Edge Excitonic Emission from Quasi-Two-Dimensional CdSe Nanoplatelets. <i>ACS Applied Materials & Interfaces</i> , 2019, 11, 41821-41827.	4.0	23
121	Zn doped MAPbBr ₃ single crystal with advanced structural and optical stability achieved by strain compensation. <i>Nanoscale</i> , 2020, 12, 3692-3700.	2.8	22
122	Metamagnetic transitions and magnetoelectricity in the spin-1 honeycomb antiferromagnet $\text{Ni}_2\text{V}_2\text{O}_8$. <i>Physical Review B</i> , 2021, 103, .	1.1	22
123	Thermally Assisted Rashba Splitting and Circular Photogalvanic Effect in Aqueously Synthesized 2D Dionâ€“Jacobson Perovskite Crystals. <i>Nano Letters</i> , 2021, 21, 4584-4591.	4.5	22
124	Ultrafast and Robust UV Luminescence from Cuâ€“Doped ZnO Nanowires Mediated by Plasmonic Hot Electrons. <i>Advanced Optical Materials</i> , 2016, 4, 960-966.	3.6	21
125	Direct and Indirect Recombination and Thermal Kinetics of Excitons in Colloidal All-Inorganic Lead Halide Perovskite Nanocrystals. <i>Journal of Physical Chemistry C</i> , 2019, 123, 19844-19850.	1.5	21
126	Surface modification of all-inorganic halide perovskite nanorods by a microscale hydrophobic zeolite for stable and sensitive laser humidity sensing. <i>Nanoscale</i> , 2020, 12, 13360-13367.	2.8	21

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127	In Situ Growth of All-Inorganic Perovskite Single Crystal Arrays on Electron Transport Layer. <i>Advanced Science</i> , 2020, 7, 1902767.	5.6	21
128	Nanoscale semiconductor-insulator-metal core/shell heterostructures: facile synthesis and light emission. <i>Nanoscale</i> , 2011, 3, 3170.	2.8	20
129	Fabrication and spectroscopic characterization of Ce ³⁺ doped Sr ₂ Y ₈ (SiO ₄) ₆ O ₂ translucent ceramics. <i>Optical Materials</i> , 2012, 34, 1155-1160.	1.7	20
130	Multiphoton Harvesting in an Angular Carbazole-Containing Zn(II)-Coordinated Random Copolymer Mediated by Twisted Intramolecular Charge Transfer State. <i>Macromolecules</i> , 2014, 47, 1316-1324.	2.2	20
131	Thermally activated delayed fluorescence organic dots for two-photon fluorescence lifetime imaging. <i>Applied Physics Letters</i> , 2018, 112, 211102.	1.5	20
132	Dopant-Free Hole Transporting Molecules for Highly Efficient Perovskite Photovoltaic with Strong Interfacial Interaction. <i>Solar Rrl</i> , 2019, 3, 1900319.	3.1	20
133	Plasmonically Enhanced Upconversion Luminescence via Holographically Formed Silver Nanogratings. <i>ACS Applied Materials & Interfaces</i> , 2020, 12, 1292-1298.	4.0	20
134	Temperature dependence of weak localization effects of excitons in ZnCdO/ZnO single quantum well. <i>Journal of Applied Physics</i> , 2011, 109, .	1.1	19
135	Boosting Efficiency and Stability of Planar Inverted (FAPbI ₃) ₃ × (MAPbBr ₃) ₁ × Solar Cells via FAPbI ₃ and MAPbBr ₃ Crystal Powders. <i>Solar Rrl</i> , 2020, 4, 2000091.	3.1	19
136	Efficient Inverted Perovskite Solar Cells Enabled by Dopant-Free Hole-Transporting Materials Based on Dibenzofulvene-Bridged Indacenodithiophene Core Attaching Varying Alkyl Chains. <i>ACS Applied Materials & Interfaces</i> , 2021, 13, 13254-13263.	4.0	19
137	Surface-plasmon enhancement of band gap emission from ZnCdO thin films by gold particles. <i>Applied Physics Letters</i> , 2010, 97, 061104.	1.5	18
138	Wide-range coupling between surface plasmon polariton and cylindrical dielectric waveguide mode. <i>Optics Express</i> , 2011, 19, 13598.	1.7	18
139	Improving the Solubility of Mn and Suppressing the Oxygen Vacancy Density in Zn _{0.98} Mn _{0.02} O Nanocrystals via Octylamine Treatment. <i>ACS Applied Materials & Interfaces</i> , 2012, 4, 4470-4475.	4.0	18
140	Global microRNA and isomiR expression associated with liver metabolism is induced by organophosphorus flame retardant exposure in male Chinese rare minnow (<i>Gobiocypris rarus</i>). <i>Science of the Total Environment</i> , 2019, 649, 829-838.	3.9	18
141	Effective magnetic Hamiltonian at finite temperatures for rare-earth chalcogenides. <i>Physical Review B</i> , 2021, 103, .	1.1	18
142	Giant two- to five-photon absorption in CsPbBr ₂₇ I ₀₃ two-dimensional nanoplatelets. <i>Optics Letters</i> , 2019, 44, 3873.	1.7	18
143	Photoluminescence properties of midinfrared dilute nitride InAsN epilayers with/without Sb flux during molecular beam epitaxial growth. <i>Applied Physics Letters</i> , 2009, 95, .	1.5	17
144	NaYF ₄ :Yb,Er-MoS ₂ : from synthesis and surface ligand stripping to negative infrared photoresponse. <i>Chemical Communications</i> , 2015, 51, 9030-9033.	2.2	17

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145	magnetolectric memory and polarization reversal in the kagome staircase compound $N \times 3 \times 3 \times 2$	1.1	17
146	Ultrafast Charge Carrier Dynamics and Nonlinear Optical Absorption of InP/ZnS Core-Shell Colloidal Quantum Dots. Journal of Physical Chemistry C, 2019, 123, 27207-27213.	1.5	17
147	Tailoring the Surface Morphology and Phase Distribution for Efficient Perovskite Electroluminescence. Journal of Physical Chemistry Letters, 2020, 11, 5877-5882.	2.1	17
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