

# Bingsuo Zou

## List of Publications by Year in descending order

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533  
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19,167  
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13818

67  
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116  
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548  
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548  
docs citations

548  
times ranked

38108  
citing authors

#	ARTICLE	IF	CITATIONS
1	In Situ Fabrication of Halide Perovskite Nanocrystal-Embedded Polymer Composite Films with Enhanced Photoluminescence for Display Backlights. <i>Advanced Materials</i> , 2016, 28, 9163-9168.	24.3	659
2	Highly Emissive and Color-Tunable CuInS <sub>2</sub> -Based Colloidal Semiconductor Nanocrystals: Off-Stoichiometry Effects and Improved Electroluminescence Performance. <i>Advanced Functional Materials</i> , 2012, 22, 2081-2088.	16.5	463
3	Emulsion Synthesis of Size-Tunable CH <sub>3</sub> NH <sub>3</sub> PbBr <sub>3</sub> Quantum Dots: An Alternative Route toward Efficient Light-Emitting Diodes. <i>ACS Applied Materials &amp; Interfaces</i> , 2015, 7, 28128-28133.	8.3	441
4	Chemical Control of Superparamagnetic Properties of Magnesium and Cobalt Spinel Ferrite Nanoparticles through Atomic Level Magnetic Couplings. <i>Journal of the American Chemical Society</i> , 2000, 122, 6263-6267.	14.6	419
5	Tuning the Luminescence Properties of Colloidal III-VI Semiconductor Nanocrystals for Optoelectronics and Biotechnology Applications. <i>Journal of Physical Chemistry Letters</i> , 2012, 3, 3167-3175.	4.9	412
6	Reverse Micelle Synthesis and Characterization of Superparamagnetic MnFe <sub>2</sub> O <sub>4</sub> Spinel Ferrite Nanocrystallites. <i>Journal of Physical Chemistry B</i> , 2000, 104, 1141-1145.	2.7	355
7	Highly Efficient Blue Emission from Self-Trapped Excitons in Stable Sb <sup>3+</sup> -Doped Cs <sub>2</sub> Nal <sub>6</sub> Double Perovskites. <i>Journal of Physical Chemistry Letters</i> , 2020, 11, 2053-2061.	4.9	314
8	Advances in membranous vesicle and exosome proteomics improving biological understanding and biomarker discovery. <i>Proteomics</i> , 2011, 11, 709-720.	3.0	293
9	A New Route to Zinc-Blende CdSe Nanocrystals: Mechanism and Synthesis. <i>Journal of Physical Chemistry B</i> , 2005, 109, 16671-16675.	2.7	287
10	Fast and Considerable Adsorption of Methylene Blue Dye onto Graphene Oxide. <i>Bulletin of Environmental Contamination and Toxicology</i> , 2011, 87, 86-90.	2.8	285
11	Jet energy measurement and its systematic uncertainty in proton-proton collisions at $\sqrt{s}=7$ TeV with the ATLAS detector. <i>European Physical Journal C</i> , 2015, 75, 17.	4.0	270
12	Centimeter-Sized Cs <sub>4</sub> PbBr <sub>6</sub> Crystals with Embedded CsPbBr <sub>3</sub> Nanocrystals Showing Superior Photoluminescence: Nonstoichiometry Induced Transformation and Light-Emitting Applications. <i>Advanced Functional Materials</i> , 2018, 28, 1706567.	16.5	256
13	Efficient Light-Emitting Diodes Based on <i>in Situ</i> Fabricated FAPbBr <sub>3</sub> Nanocrystals: The Enhancing Role of the Ligand-Assisted Reprecipitation Process. <i>ACS Nano</i> , 2018, 12, 8808-8816.	15.3	254
14	Color-Tunable Photoluminescence of Alloyed CdSxSe <sub>1-x</sub> Nanobelts. <i>Journal of the American Chemical Society</i> , 2005, 127, 15692-15693.	14.6	224
15	Continuous Alloy-Composition Spatial Grading and Superbroad Wavelength-Tunable Nanowire Lasers on a Single Chip. <i>Nano Letters</i> , 2009, 9, 784-788.	9.5	199
16	Optical Waveguide through CdS Nanoribbons. <i>Small</i> , 2005, 1, 980-983.	11.2	195
17	Open Stomata 1 (OST1) is limiting in abscisic acid responses of Arabidopsis guard cells. <i>New Phytologist</i> , 2013, 200, 1049-1063.	7.8	178
18	Controllable ZnO Architectures by Ethanolamine-Assisted Hydrothermal Reaction for Enhanced Photocatalytic Activity. <i>Journal of Physical Chemistry C</i> , 2011, 115, 2769-2775.	3.3	177

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19	Jet reconstruction and performance using particle flow with the ATLAS Detector. <i>European Physical Journal C</i> , 2017, 77, 466.	4.0	169
20	Electrical characterization of hydroxyapatite-based bioceramics. <i>Acta Biomaterialia</i> , 2009, 5, 743-754.	8.8	167
21	Photochromism and Size Effect of WO <sub>3</sub> and WO <sub>3</sub> ·xH <sub>2</sub> O Aqueous Sol. <i>Chemistry of Materials</i> , 2003, 15, 4039-4045.	7.1	164
22	Hydroxyl-Terminated CuInS <sub>2</sub> Based Quantum Dots: Toward Efficient and Bright Light Emitting Diodes. <i>Chemistry of Materials</i> , 2016, 28, 1085-1091.	7.1	162
23	Highly Efficient Self-Trapped Exciton Emission of a (MA) <sub>4</sub> Cu <sub>2</sub> Br <sub>6</sub> Single Crystal. <i>Journal of Physical Chemistry Letters</i> , 2020, 11, 4703-4710.	4.9	157
24	Stimulated Emissions in Aligned CdS Nanowires at Room Temperature. <i>Journal of Physical Chemistry B</i> , 2005, 109, 24268-24272.	2.7	155
25	Boosting triplet self-trapped exciton emission in Te(IV)-doped Cs <sub>2</sub> SnCl <sub>6</sub> perovskite variants. <i>Nano Research</i> , 2021, 14, 1551-1558.	10.6	155
26	Sol-gel Synthesis of Free-Standing Ferroelectric Lead Zirconate Titanate Nanoparticles. <i>Journal of the American Chemical Society</i> , 2001, 123, 4344-4345.	14.6	153
27	Studies on <i>Scutellariae Radix</i> . VII. Anti-arthritis and anti-inflammatory actions of methanolic extract and flavonoid components from <i>Scutellariae Radix</i> . <i>Chemical and Pharmaceutical Bulletin</i> , 1984, 32, 2724-2729.	1.3	150
28	Efficient Energy Transfer in Te <sup>4+</sup> -Doped Cs <sub>2</sub> ZrCl <sub>6</sub> Vacancy-Ordered Perovskites and Ultrahigh Moisture Stability via A-Site Rb-Alloying Strategy. <i>Journal of Physical Chemistry Letters</i> , 2021, 12, 1829-1837.	4.9	150
29	Aptamer-Functionalized Exosomes: Elucidating the Cellular Uptake Mechanism and the Potential for Cancer-Targeted Chemotherapy. <i>Analytical Chemistry</i> , 2019, 91, 2425-2430.	6.8	147
30	Integration of CuInS <sub>2</sub> -based nanocrystals for high efficiency and high colour rendering white light-emitting diodes. <i>Nanoscale</i> , 2013, 5, 3514.	5.8	146
31	Synthesis of Highly Emissive Mn-Doped ZnSe Nanocrystals without Pyrophoric Reagents. <i>Chemistry of Materials</i> , 2010, 22, 2107-2113.	7.1	145
32	Controllable Transformation from Rhombohedral Cu <sub>1.8</sub> S Nanocrystals to Hexagonal CuS Clusters: Phase- and Composition-Dependent Plasmonic Properties. <i>Chemistry of Materials</i> , 2013, 25, 4828-4834.	7.1	139
33	Template Synthesis of CuInS <sub>2</sub> Nanocrystals from In <sub>2</sub> S <sub>3</sub> Nanoplates and Their Application as Counter Electrodes in Dye-Sensitized Solar Cells. <i>Chemistry of Materials</i> , 2015, 27, 5949-5956.	7.1	133
34	ZnO flowers made up of thin nanosheets and their optical properties. <i>Journal of Crystal Growth</i> , 2005, 282, 165-172.	1.6	130
35	A Role for Multiple Circadian Clock Genes in the Response to Signals That Break Seed Dormancy in <i>Arabidopsis</i> . <i>Plant Cell</i> , 2009, 21, 1722-1732.	6.7	125
36	Lasing Mechanism of ZnO Nanowires/Nanobelts at Room Temperature. <i>Journal of Physical Chemistry B</i> , 2006, 110, 12865-12873.	2.7	124

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37	A DYNAMICAL ANALYSIS OF THE KEPLER-80 SYSTEM OF FIVE TRANSITING PLANETS. <i>Astronomical Journal</i> , 2016, 152, 105.	4.9	121
38	Applications of Mesenchymal Stem Cells Labeled with Tat Peptide Conjugated Quantum Dots to Cell Tracking in Mouse Body. <i>Bioconjugate Chemistry</i> , 2008, 19, 421-427.	3.8	117
39	Homo- and Heterovalent Doping-Mediated Self-Trapped Exciton Emission and Energy Transfer in Mn-Doped Cs <sub>2</sub> Na <sub>1-x</sub> Ag <sub>x</sub> BiCl <sub>6</sub> Double Perovskites. <i>Journal of Physical Chemistry Letters</i> , 2020, 11, 340-348.	4.9	116
40	Proteome-wide analyses of human hepatocytes during differentiation and dedifferentiation. <i>Hepatology</i> , 2013, 58, 799-809.	8.1	115
41	Self-Trapped Exciton Emission in a Zero-Dimensional (TMA) <sub>2</sub> SbCl <sub>5</sub> ·DMF Single Crystal and Molecular Dynamics Simulation of Structural Stability. <i>Journal of Physical Chemistry Letters</i> , 2021, 12, 7091-7099.	4.9	106
42	Broadband perovskite quantum dot spectrometer beyond human visual resolution. <i>Light: Science and Applications</i> , 2020, 9, 73.	16.2	104
43	Organic-inorganic hybrid manganese bromine single crystal with dual-band photoluminescence from polaronic and bipolaronic excitons. <i>Nano Energy</i> , 2021, 87, 106166.	16.5	102
44	Highly luminescent and stable lead-free cesium copper halide perovskite powders for UV-pumped phosphor-converted light-emitting diodes. <i>Photonics Research</i> , 2020, 8, 768.	6.9	102
45	Phase-transition induced giant negative electrocaloric effect in a lead-free relaxor ferroelectric thin film. <i>Energy and Environmental Science</i> , 2019, 12, 1708-1717.	32.2	101
46	Highly Emissive, Color-Tunable, Phosphine-Free Mn:ZnSe/ZnS Core/Shell and Mn:ZnSeS Shell-Alloyed Doped Nanocrystals. <i>Journal of Physical Chemistry C</i> , 2011, 115, 3005-3010.	3.3	100
47	Facile synthesis and enhanced photocatalytic activity of hierarchical porous ZnO microspheres. <i>Materials Letters</i> , 2012, 66, 72-75.	2.7	99
48	A Simple Solution Route to Single-Crystalline Sb <sub>2</sub> O <sub>3</sub> Nanowires with Rectangular Cross Sections. <i>Journal of Physical Chemistry B</i> , 2006, 110, 18225-18230.	2.7	97
49	Pyridine-Modulated Mn Ion Emission Properties of C <sub>10</sub> H <sub>12</sub> N <sub>2</sub> MnBr <sub>4</sub> and C <sub>5</sub> H <sub>6</sub> NMnBr <sub>3</sub> Single Crystals. <i>Journal of Physical Chemistry C</i> , 2018, 122, 3130-3137.	3.3	96
50	Putting trapped populations into place: climate change and inter-district migration flows in Zambia. <i>Regional Environmental Change</i> , 2018, 18, 533-546.	2.9	94
51	Small GSH-Capped CuInS <sub>2</sub> Quantum Dots: MPA-Assisted Aqueous Phase Transfer and Bioimaging Applications. <i>ACS Applied Materials &amp; Interfaces</i> , 2015, 7, 17623-17629.	8.3	93
52	Formation of nanoparticulate iron(III) oxide-stearate multilayer through Langmuir-Blodgett method. <i>The Journal of Physical Chemistry</i> , 1992, 96, 3412-3415.	2.9	92
53	Colloidal Synthesis of CH <sub>3</sub> NH <sub>3</sub> PbBr <sub>3</sub> Nanoplatelets with Polarized Emission through Self-Organization. <i>Angewandte Chemie - International Edition</i> , 2017, 56, 1780-1783.	14.8	92
54	Aggregation-Induced Emission Features of Organometal Halide Perovskites and Their Fluorescence Probe Applications. <i>Advanced Optical Materials</i> , 2015, 3, 112-119.	7.9	90

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55	Efficient broadband near-infrared luminescence of Cr <sup>3+</sup> doped fluoride K <sub>2</sub> NaInF <sub>6</sub> and its NIR-LED application toward veins imaging. <i>Chemical Engineering Journal</i> , 2022, 427, 131740.	13.0	90
56	Hybrid Bulk-Heterojunction of Colloidal Quantum Dots and Mixed-Halide Perovskite Nanocrystals for High-Performance Self-Powered Broadband Photodetectors. <i>Advanced Functional Materials</i> , 2022, 32, .	16.5	88
57	Ultralow-Threshold and Color-Tunable Continuous-Wave Lasing at Room-Temperature from In Situ Fabricated Perovskite Quantum Dots. <i>Journal of Physical Chemistry Letters</i> , 2019, 10, 3248-3253.	4.9	87
58	Near-Unity Red Mn <sup>2+</sup> Photoluminescence Quantum Yield of Doped CsPbCl <sub>3</sub> Nanocrystals with Cd Incorporation. <i>Journal of Physical Chemistry Letters</i> , 2020, 11, 2142-2149.	4.9	86
59	AF64A: An Active Site Directed Irreversible Inhibitor of Choline Acetyltransferase. <i>Journal of Neurochemistry</i> , 1985, 44, 439-445.	4.0	83
60	Highly Stable Red Quantum Dot Light-Emitting Diodes with Long <i>T</i> <sub>95</sub> Operation Lifetimes. <i>Journal of Physical Chemistry Letters</i> , 2020, 11, 3111-3115.	4.9	81
61	Highly Efficient Cool-White Photoluminescence of (Ga) <sub>3</sub> Cu <sub>2</sub> I <sub>5</sub> Single Crystals: Formation and Optical Properties. <i>ACS Applied Materials &amp; Interfaces</i> , 2021, 13, 13443-13451.	8.3	77
62	Lead-free Mn <sup>II</sup> -based red-emitting hybrid halide (CH <sub>6</sub> N <sub>3</sub> ) <sub>2</sub> MnCl <sub>4</sub> toward high performance warm WLEDs. <i>Journal of Materials Chemistry C</i> , 2021, 9, 4895-4902.	5.6	76
63	Template-Free Synthesis of High-Yield Fe-Doped Cesium Lead Halide Perovskite Ultralong Microwires with Enhanced Two-Photon Absorption. <i>Journal of Physical Chemistry Letters</i> , 2018, 9, 4878-4885.	4.9	75
64	Highly efficient green InP-based quantum dot light-emitting diodes regulated by inner alloyed shell component. <i>Light: Science and Applications</i> , 2022, 11, .	16.2	74
65	Ultraviolet lasing and time-resolved photoluminescence of well-aligned ZnO nanorod arrays. <i>Applied Physics Letters</i> , 2005, 86, 223106.	3.2	73
66	Ligand-engaged TCR is triggered by Lck not associated with CD8 coreceptor. <i>Nature Communications</i> , 2014, 5, 5624.	13.2	72
67	Fundamental Limits to Extinction by Metallic Nanoparticles. <i>Physical Review Letters</i> , 2014, 112, 123903.	8.0	71
68	Reversible Zn <sup>2+</sup> Insertion in Tungsten Ion-Activated Titanium Dioxide Nanocrystals for Electrochromic Windows. <i>Nano-Micro Letters</i> , 2021, 13, 196.	27.9	70
69	Bound Exciton and Optical Properties of SnO <sub>2</sub> One-Dimensional Nanostructures. <i>Journal of Physical Chemistry C</i> , 2009, 113, 1719-1726.	3.3	69
70	Water-Stable Zero-Dimensional (C <sub>4</sub> H <sub>9</sub> ) <sub>4</sub> NCuCl <sub>2</sub> Single Crystal with Highly Efficient Broadband Green Emission. <i>Journal of Physical Chemistry Letters</i> , 2021, 12, 6639-6647.	4.9	68
71	Fabrication and photoluminescence of high-quality ternary CdSSe nanowires and nanoribbons. <i>Nanotechnology</i> , 2006, 17, 1083-1086.	2.7	67
72	Strong Polarized Photoluminescence from Stretched Perovskite-Nanocrystal-Embedded Polymer Composite Films. <i>Advanced Optical Materials</i> , 2017, 5, 1700594.	7.9	67

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73	Color-Changeable Optical Transport through Se-Doped CdS 1D Nanostructures. <i>Nano Letters</i> , 2007, 7, 2970-2975.	9.5	66
74	Advances and Challenges in Two-Dimensional Organic-Inorganic Hybrid Perovskites Toward High-Performance Light-Emitting Diodes. <i>Nano-Micro Letters</i> , 2021, 13, 163.	27.9	66
75	Synthesis of Tower-like ZnO Structures and Visible Photoluminescence Origins of Varied-Shaped ZnO Nanostructures. <i>Journal of Physical Chemistry C</i> , 2007, 111, 7655-7660.	3.3	65
76	Controlled Structural Transformation in Sb-Doped Indium Halides $\text{A}_{3}\text{InCl}_{6}$ and $\text{A}_{2}\text{InCl}_{5}$ $\text{H}_{2}\text{O}$ Yields Reversible Green-to-Yellow Emission Switch. <i>Advanced Optical Materials</i> , 2021, 9, 2002267.	7.9	65
77	Charge Carrier Conduction Mechanism in PbS Quantum Dot Solar Cells: Electrochemical Impedance Spectroscopy Study. <i>ACS Applied Materials &amp; Interfaces</i> , 2016, 8, 18526-18533.	8.3	64
78	Beyond Cholinesterase Inhibition: Developmental Neurotoxicity of Organophosphate Ester Flame Retardants and Plasticizers. <i>Environmental Health Perspectives</i> , 2021, 129, 105001.	8.2	62
79	Tunable emission properties by ferromagnetic coupling Mn(II) aggregates in Mn-doped CdS microbelts/nanowires. <i>Nanotechnology</i> , 2014, 25, 385201.	2.7	61
80	Pure White Emission with 91.9% Photoluminescence Quantum Yield of $[(\text{C}_{3}\text{H}_{7})_{4}\text{N}]_{2}\text{Cu}_{2}\text{I}_{4}$ out of Polaronic States and Ultra-High Color Rendering Index. <i>ACS Applied Materials &amp; Interfaces</i> , 2022, 14, 12395-12403.	8.3	61
81	Si-CdSSe Core/Shell Nanowires with Continuously Tunable Light Emission. <i>Nano Letters</i> , 2008, 8, 3413-3417.	9.5	60
82	Single-Crystalline $\text{Cu}_{4}\text{Bi}_{4}\text{S}_{9}$ Nanoribbons: Facile Synthesis, Growth Mechanism, and Surface Photovoltaic Properties. <i>Chemistry of Materials</i> , 2011, 23, 1299-1305.	7.1	58
83	Coherent control of plasma dynamics. <i>Nature Communications</i> , 2015, 6, 7156.	13.2	58
84	Ligand-Controlled Formation and Photoluminescence Properties of $\text{CH}_{3}\text{NH}_{3}\text{PbBr}_{3}$ Nanocubes and Nanowires. <i>ChemNanoMat</i> , 2017, 3, 303-310.	2.9	58
85	Interlayer of PMMA Doped with Au Nanoparticles for High-Performance Tandem Photodetectors: A Solution to Suppress Dark Current and Maintain High Photocurrent. <i>ACS Applied Materials &amp; Interfaces</i> , 2020, 12, 26153-26160.	8.3	58
86	Bulk assembly of a 0D organic antimony chloride hybrid with highly efficient orange dual emission by self-trapped states. <i>Journal of Materials Chemistry C</i> , 2021, 9, 12184-12190.	5.6	58
87	High-Quality Alloyed $\text{Cd}_{x}\text{Se}_{1-x}$ Whiskers as Waveguides with Tunable Stimulated Emission. <i>Journal of Physical Chemistry B</i> , 2006, 110, 22313-22317.	2.7	57
88	Surface states dominative Au Schottky contact on vertical aligned ZnO nanorod arrays synthesized by low-temperature growth. <i>New Journal of Physics</i> , 2007, 9, 214-214.	2.9	57
89	The optical properties of ZnO sheets electrodeposited on ITO glass. <i>Materials Letters</i> , 2007, 61, 2000-2003.	2.7	57
90	Evolution of the structure and properties of mechanochemically synthesized pyrrolidine incorporated manganese bromide powders. <i>Journal of Materials Chemistry C</i> , 2020, 8, 6488-6495.	5.6	57

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91	Red emissive CuInS <sub>2</sub> -based nanocrystals: a potential phosphor for warm white light-emitting diodes. <i>Optics Express</i> , 2013, 21, 10105.	3.4	55
92	Equation-oriented flowsheet simulation and optimization using pseudo-transient models. <i>AIChE Journal</i> , 2014, 60, 4104-4123.	3.6	55
93	Molecular and biological studies on male-sterile cytoplasm in the Cruciferae. III. Distribution of Ogura-type cytoplasm among Japanese wild radishes and Asian radish cultivars. <i>Theoretical and Applied Genetics</i> , 1996, 93, 325-332.	3.7	54
94	Near Infrared Emission Band and Origin in Ni(II)-Doped CdS Nanoribbons by CVD Technique. <i>Journal of Physical Chemistry C</i> , 2013, 117, 17777-17785.	3.3	54
95	Simultaneous Triplet Exciton-Phonon and Exciton-Photon Photoluminescence in the Individual Weak Confinement CsPbBr <sub>3</sub> Micro/Nanowires. <i>Journal of Physical Chemistry C</i> , 2019, 123, 25349-25358.	3.3	54
96	Bosonic Lasing from Collective Exciton Magnetic Polarons in Diluted Magnetic Nanowires and Nanobelts. <i>ACS Photonics</i> , 2016, 3, 1809-1817.	6.9	52
97	MELAS syndrome and cardiomyopathy: linking mitochondrial function to heart failure pathogenesis. <i>Heart Failure Reviews</i> , 2016, 21, 103-116.	3.9	51
98	Component Engineering to Tailor the Structure and Optical Properties of Sb-Doped Indium-Based Halides. <i>Inorganic Chemistry</i> , 2022, 61, 1486-1494.	4.2	51
99	Effect of concentration on the luminescence of Eu <sup>3+</sup> ions in nanocrystalline La <sub>2</sub> O <sub>3</sub> . <i>Journal of Luminescence</i> , 2007, 126, 459-463.	3.2	50
100	ZnO nanorods array as light absorption antenna for high-gain UV photodetectors. <i>Journal of Alloys and Compounds</i> , 2020, 812, 152158.	5.7	50
101	Anomalous optical properties and electron-phonon coupling enhancement in Fe <sub>2</sub> O <sub>3</sub> nanoparticles coated with a layer of stearates. <i>Journal of Physics and Chemistry of Solids</i> , 1997, 58, 1315-1320.	4.1	48
102	Size effect on the electron-phonon coupling in CuO nanocrystals. <i>Nanotechnology</i> , 2006, 17, 1099-1103.	2.7	48
103	Ray-trace simulation of CuInS <sub>2</sub> (Se) <sub>2</sub> quantum dot based luminescent solar concentrators. <i>Optics Express</i> , 2015, 23, A858.	3.4	48
104	Mesoporous Aluminum Hydroxide Synthesized by a Single-Source Precursor Decomposition Approach as a High-Quantum-Yield Blue Phosphor for UV-Pumped White-Light-Emitting Diodes. <i>Advanced Materials</i> , 2017, 29, 1604284.	24.3	48
105	Tunable Emission Properties of Manganese Chloride Small Single Crystals by Pyridine Incorporation. <i>ACS Omega</i> , 2019, 4, 8039-8045.	3.6	48
106	Solution-processed, flexible and broadband photodetector based on CsPbBr <sub>3</sub> /PbSe quantum dot heterostructures. <i>Journal of Materials Science and Technology</i> , 2021, 68, 216-226.	10.8	47
107	Controllable Fabrication of High-Quality 6-Fold Symmetry-Branched CdS Nanostructures with ZnS Nanowires as Templates. <i>Journal of Physical Chemistry C</i> , 2008, 112, 9253-9260.	3.3	46
108	Aqueous synthesis of type-II CdTe/CdSe core-shell quantum dots for fluorescent probe labeling tumor cells. <i>Nanotechnology</i> , 2009, 20, 095102.	2.7	46

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109	Thermal Stability and Lasing of CdS Nanowires Coated by Amorphous Silica. <i>Small</i> , 2005, 1, 1058-1062.	11.2	45
110	Possibilities and challenges of a large international benchmarking in pediatric diabetology-The SWEET experience. <i>Pediatric Diabetes</i> , 2016, 17, 7-15.	3.0	44
111	Transition from Photoconductivity to Photovoltaic Effect in P3HT/CuInSe <sub>2</sub> Composites. <i>Journal of Physical Chemistry C</i> , 2012, 116, 7280-7286.	3.3	43
112	Impact of a brief intervention on cervical health literacy: A waitlist control study with jailed women. <i>Preventive Medicine Reports</i> , 2017, 6, 314-321.	1.9	43
113	Thermal Annealing Effects of Plasmonic Cu <sub>1.8</sub> S Nanocrystal Films and Their Photovoltaic Properties. <i>Journal of Physical Chemistry C</i> , 2014, 118, 26964-26972.	3.3	42
114	Venomous extract protein profile of Brazilian tarantula <i>Grammostola iheringi</i> : searching for potential biotechnological applications. <i>Journal of Proteomics</i> , 2016, 136, 35-47.	2.5	42
115	Field-effect transistor-based solution-processed colloidal quantum dot photodetector with broad bandwidth into near-infrared region. <i>Nanotechnology</i> , 2012, 23, 255203.	2.7	41
116	Solution-Processed PbSe Colloidal Quantum Dot-Based Near-Infrared Photodetector. <i>IEEE Photonics Technology Letters</i> , 2015, 27, 612-615.	2.5	41
117	Inorganic Solid Phosphorus Precursor of Sodium Phosphaethynolate for Synthesis of Highly Luminescent InP-Based Quantum Dots. <i>ACS Energy Letters</i> , 2021, 6, 2697-2703.	18.4	41
118	Bulk Assembly of Zero-Dimensional Organic Copper Bromide Hybrid with Bright Self-Trapped Exciton Emission and High Antiwater Stability. <i>Journal of Physical Chemistry C</i> , 2021, 125, 20014-20021.	3.3	41
119	Effects of Electron-Phonon Coupling and Spin-Spin Coupling on the Photoluminescence of Low-Dimensional Metal Halides. <i>Journal of Physical Chemistry Letters</i> , 2022, 13, 1752-1764.	4.9	41
120	Effect of algal species and light intensity on the performance of an air-lift-type microbial carbon capture cell with an algae-assisted cathode. <i>RSC Advances</i> , 2016, 6, 25094-25100.	3.7	40
121	High performance solution-processed infrared photodiode based on ternary PbS <sub>x</sub> Se <sub>1-x</sub> colloidal quantum dots. <i>RSC Advances</i> , 2016, 6, 87730-87737.	3.7	40
122	Efficient Yellow Self-Trapped Exciton Emission in Sb <sup>3+</sup> -Doped RbCdCl <sub>3</sub> Metal Halides. <i>Inorganic Chemistry</i> , 2022, 61, 7143-7152.	4.2	40
123	Robust and stable dual-band electrochromic smart window with multicolor tunability. <i>Materials Horizons</i> , 2023, 10, 960-966.	12.8	40
124	Formation and optical properties of ZnO:ZnFe <sub>2</sub> O <sub>4</sub> superlattice microwires. <i>Nano Research</i> , 2010, 3, 326-338.	10.6	39
125	Immuno-transcriptomic profiling of extracranial pediatric solid malignancies. <i>Cell Reports</i> , 2021, 37, 110047.	6.3	39
126	Synthesis of PbS microcrystals via a hydrothermal process. <i>Materials Letters</i> , 2006, 60, 1242-1246.	2.7	38



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127	Large tunable luminescence by Mn(II) aggregates in Mn-doped ZnS nanobelts. Journal of Materials Chemistry C, 2017, 5, 8749-8757.	5.6	38
128	Solution-Processed, Self-Powered Broadband CH <sub>3</sub> NH <sub>3</sub> PbI <sub>3</sub> Photodetectors Driven by Asymmetric Electrodes. Advanced Optical Materials, 2020, 8, 2000215.	7.9	38
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