

Hai-Zheng Zhong

List of Publications by Citations

Source: <https://exaly.com/author-pdf/3670614/hai-zheng-zhong-publications-by-citations.pdf>

Version: 2024-04-23

This document has been generated based on the publications and citations recorded by exaly.com. For the latest version of this publication list, visit the link given above.

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

150
papers

9,763
citations

45
h-index

97
g-index

165
ext. papers

11,579
ext. citations

8
avg, IF

6.44
L-index

#	Paper	IF	Citations
150	Brightly Luminescent and Color-Tunable Colloidal CH ₃ NH ₃ PbX ₃ (X = Br, I, Cl) Quantum Dots: Potential Alternatives for Display Technology. <i>ACS Nano</i> , 2015 , 9, 4533-42	16.7	1602
149	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	490
148	Controlled Synthesis and Optical Properties of Colloidal Ternary Chalcogenide CuInS ₂ Nanocrystals. <i>Chemistry of Materials</i> , 2008 , 20, 6434-6443	9.6	479
147	Water resistant CsPbX nanocrystals coated with polyhedral oligomeric silsesquioxane and their use as solid state luminophores in all-perovskite white light-emitting devices. <i>Chemical Science</i> , 2016 , 7, 5699-5703	9.4	423
146	53% Efficient Red Emissive Carbon Quantum Dots for High Color Rendering and Stable Warm White-Light-Emitting Diodes. <i>Advanced Materials</i> , 2017 , 29, 1702910	24	405
145	Highly Emissive and Color-Tunable CuInS ₂ -Based Colloidal Semiconductor Nanocrystals: Off-Stoichiometry Effects and Improved Electroluminescence Performance. <i>Advanced Functional Materials</i> , 2012 , 22, 2081-2088	15.6	390
144	Emulsion Synthesis of Size-Tunable CH ₃ NH ₃ PbBr ₃ Quantum Dots: An Alternative Route toward Efficient Light-Emitting Diodes. <i>ACS Applied Materials & Interfaces</i> , 2015 , 7, 28128-33	9.5	361
143	Tuning the Luminescence Properties of Colloidal I-III-VI Semiconductor Nanocrystals for Optoelectronics and Biotechnology Applications. <i>Journal of Physical Chemistry Letters</i> , 2012 , 3, 3167-75	6.4	361
142	Noninjection gram-scale synthesis of monodisperse pyramidal CuInS ₂ nanocrystals and their size-dependent properties. <i>ACS Nano</i> , 2010 , 4, 5253-62	16.7	353
141	State of the Art and Prospects for Halide Perovskite Nanocrystals. <i>ACS Nano</i> , 2021 , 15, 10775-10981	16.7	222
140	Centimeter-Sized Cs ₄ PbBr ₆ Crystals with Embedded CsPbBr ₃ Nanocrystals Showing Superior Photoluminescence: Nonstoichiometry Induced Transformation and Light-Emitting Applications. <i>Advanced Functional Materials</i> , 2018 , 28, 1706567	15.6	205
139	Efficient Light-Emitting Diodes Based on in Situ Fabricated FAPbBr Nanocrystals: The Enhancing Role of the Ligand-Assisted Reprecipitation Process. <i>ACS Nano</i> , 2018 , 12, 8808-8816	16.7	183
138	Grain-Boundary "Patches" by In Situ Conversion to Enhance Perovskite Solar Cells Stability. <i>Advanced Materials</i> , 2018 , 30, e1800544	24	170
137	Colloidal CuInSe ₂ Nanocrystals in the Quantum Confinement Regime: Synthesis, Optical Properties, and Electroluminescence. <i>Journal of Physical Chemistry C</i> , 2011 , 115, 12396-12402	3.8	161
136	Colloidal Synthesis of Air-Stable CH ₃ NH ₃ PbI ₃ Quantum Dots by Gaining Chemical Insight into the Solvent Effects. <i>Chemistry of Materials</i> , 2017 , 29, 3793-3799	9.6	155
135	Polar Solvent Induced Lattice Distortion of Cubic CsPbI Nanocubes and Hierarchical Self-Assembly into Orthorhombic Single-Crystalline Nanowires. <i>Journal of the American Chemical Society</i> , 2018 , 140, 11705-11715	16.4	154
134	Integration of CuInS ₂ -based nanocrystals for high efficiency and high colour rendering white light-emitting diodes. <i>Nanoscale</i> , 2013 , 5, 3514-9	7.7	132

133	In Situ Fabricated Perovskite Nanocrystals: A Revolution in Optical Materials. <i>Advanced Optical Materials</i> , 2018 , 6, 1800380	8.1	129
132	Hydroxyl-Terminated CuInS ₂ Based Quantum Dots: Toward Efficient and Bright Light Emitting Diodes. <i>Chemistry of Materials</i> , 2016 , 28, 1085-1091	9.6	126
131	Controllable Transformation from Rhombohedral Cu _{1.8} S Nanocrystals to Hexagonal CuS Clusters: Phase- and Composition-Dependent Plasmonic Properties. <i>Chemistry of Materials</i> , 2013 , 25, 4828-4834	9.6	125
130	Template Synthesis of CuInS ₂ Nanocrystals from In ₂ S ₃ Nanoplates and Their Application as Counter Electrodes in Dye-Sensitized Solar Cells. <i>Chemistry of Materials</i> , 2015 , 27, 5949-5956	9.6	117
129	From Large-Scale Synthesis to Lighting Device Applications of Ternary I-III-VI Semiconductor Nanocrystals: Inspiring Greener Material Emitters. <i>Journal of Physical Chemistry Letters</i> , 2018 , 9, 435-445	6.4	112
128	Binaphthyl-Containing Green- and Red-Emitting Molecules for Solution-Processable Organic Light-Emitting Diodes. <i>Advanced Functional Materials</i> , 2008 , 18, 3299-3306	15.6	97
127	Top-Down Fabrication of Stable Methylammonium Lead Halide Perovskite Nanocrystals by Employing a Mixture of Ligands as Coordinating Solvents. <i>Angewandte Chemie - International Edition</i> , 2017 , 56, 9571-9576	16.4	84
126	Colloidal Synthesis of CH ₃ NH ₃ PbBr ₃ Nanoplatelets with Polarized Emission through Self-Organization. <i>Angewandte Chemie - International Edition</i> , 2017 , 56, 1780-1783	16.4	79
125	In Situ Inkjet Printing Strategy for Fabricating Perovskite Quantum Dot Patterns. <i>Advanced Functional Materials</i> , 2019 , 29, 1903648	15.6	79
124	Nonlinear Optical Properties of Colloidal CH ₃ NH ₃ PbBr ₃ and CsPbBr ₃ Quantum Dots: A Comparison Study Using Z-Scan Technique. <i>Advanced Optical Materials</i> , 2016 , 4, 1732-1737	8.1	75
123	Shape tuning of type II CdTe-CdSe colloidal nanocrystal heterostructures through seeded growth. <i>Journal of the American Chemical Society</i> , 2009 , 131, 9170-1	16.4	74
122	Poly(vinylpyrrolidone) supported copper nanoclusters: glutathione enhanced blue photoluminescence for application in phosphor converted light emitting devices. <i>Nanoscale</i> , 2016 , 8, 7197-202	7.7	72
121	Reprecipitation synthesis of luminescent CH ₃ NH ₃ PbBr ₃ /NaNO ₃ nanocomposites with enhanced stability. <i>Journal of Materials Chemistry C</i> , 2016 , 4, 11387-11391	7.1	67
120	Dimension control of in situ fabricated CsPbClBr nanocrystal films toward efficient blue light-emitting diodes. <i>Nature Communications</i> , 2020 , 11, 6428	17.4	65
119	Aggregation-Induced Emission Features of Organometal Halide Perovskites and Their Fluorescence Probe Applications. <i>Advanced Optical Materials</i> , 2015 , 3, 112-119	8.1	64
118	Design and Fabrication of Rocketlike Tetrapodal CdS Nanorods by Seed-Epitaxial Metal/Organic Chemical Vapor Deposition. <i>Crystal Growth and Design</i> , 2007 , 7, 488-491	3.5	59
117	Aqueous Synthesis of Methylammonium Lead Halide Perovskite Nanocrystals. <i>Angewandte Chemie - International Edition</i> , 2018 , 57, 9650-9654	16.4	58
116	Organometal halide perovskite quantum dots: synthesis, optical properties, and display applications. <i>Chinese Chemical Letters</i> , 2016 , 27, 1124-1130	8.1	54

115	Red emissive CuInS ₂ -based nanocrystals: a potential phosphor for warm white light-emitting diodes. <i>Optics Express</i> , 2013 , 21, 10105-10	3.3	53
114	Tumor-Targeted Multimodal Optical Imaging with Versatile Cadmium-Free Quantum Dots. <i>Advanced Functional Materials</i> , 2016 , 26, 267-276	15.6	53
113	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	6.4	51
112	Ligand-Controlled Formation and Photoluminescence Properties of CH ₃ NH ₃ PbBr ₃ Nanocubes and Nanowires. <i>ChemNanoMat</i> , 2017 , 3, 303-310	3.5	50
111	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	6.4	50
110	Halide perovskite quantum dots: potential candidates for display technology. <i>Science Bulletin</i> , 2015 , 60, 1622-1624	10.6	49
109	Pyridine-Modulated Mn Ion Emission Properties of C ₁₀ H ₁₂ N ₂ MnBr ₄ and C ₅ H ₆ NMnBr ₃ Single Crystals. <i>Journal of Physical Chemistry C</i> , 2018 , 122, 3130-3137	3.8	49
108	Surface modification induced by perovskite quantum dots for triple-cation perovskite solar cells. <i>Nano Energy</i> , 2020 , 67, 104189	17.1	49
107	Strong Polarized Photoluminescence from Stretched Perovskite-Nanocrystal-Embedded Polymer Composite Films. <i>Advanced Optical Materials</i> , 2017 , 5, 1700594	8.1	48
106	Perovskite Quantum Dots Embedded Composite Films Enhancing UV Response of Silicon Photodetectors for Broadband and Solar-Blind Light Detection. <i>Advanced Optical Materials</i> , 2018 , 6, 1800077	8.1	45
105	Elucidating the phase transitions and temperature-dependent photoluminescence of MAPbBr ₃ single crystal. <i>Journal Physics D: Applied Physics</i> , 2018 , 51, 045105	3	44
104	Stretchable Organometal-Halide-Perovskite Quantum-Dot Light-Emitting Diodes. <i>Advanced Materials</i> , 2019 , 31, e1807516	24	43
103	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	43
102	Ray-trace simulation of CuInS(Se) quantum dot based luminescent solar concentrators. <i>Optics Express</i> , 2015 , 23, A858-67	3.3	41
101	Stretchable and Thermally Stable Dual Emission Composite Films of On-Purpose Aggregated Copper Nanoclusters in Carboxylated Polyurethane for Remote White Light-Emitting Devices. <i>ACS Applied Materials & Interfaces</i> , 2016 , 8, 33993-33998	9.5	38
100	Oleylamine-Assisted Phase-Selective Synthesis of Cu ₂ S Nanocrystals and the Mechanism of Phase Control. <i>Particle and Particle Systems Characterization</i> , 2015 , 32, 907-914	3.1	37
99	Monodispersed ZnSe colloidal microspheres: preparation, characterization, and their 2D arrays. <i>Langmuir</i> , 2007 , 23, 9008-13	4	37
98	Highly Stable and Spectrally Tunable Gamma Phase RbxCs _{1-x} PbI ₃ Gradient-Alloyed Quantum Dots in PMMA Matrix through A Sites Engineering. <i>Advanced Functional Materials</i> , 2021 , 31, 2008211	15.6	37

97	In-situ fabricated anisotropic halide perovskite nanocrystals in polyvinylalcohol nanofibers: Shape tuning and polarized emission. <i>Nano Research</i> , 2019 , 12, 1411-1416	10	35
96	Photodegradation of Organometal Hybrid Perovskite Nanocrystals: Clarifying the Role of Oxygen by Single-Dot Photoluminescence. <i>Journal of Physical Chemistry Letters</i> , 2019 , 10, 864-869	6.4	34
95	Synthesis and Cathodoluminescence of Morphology-Tunable SiO ₂ Nanotubes and ZnS/SiO ₂ CoreShell Structures Using CdSe Nanocrystals as the Seeds. <i>Journal of Physical Chemistry C</i> , 2007 , 111, 11604-11611	3.8	34
94	A detour strategy for colloiddally stable block-copolymer grafted MAPbBr quantum dots in water with long photoluminescence lifetime. <i>Nanoscale</i> , 2018 , 10, 5820-5826	7.7	32
93	Phase Transformations of Copper Sulfide Nanocrystals: Towards Highly Efficient Quantum-Dot-Sensitized Solar Cells. <i>ChemPhysChem</i> , 2016 , 17, 771-6	3.2	32
92	Broadband perovskite quantum dot spectrometer beyond human visual resolution. <i>Light: Science and Applications</i> , 2020 , 9, 73	16.7	31
91	Thermally activated delayed fluorescence (TADF) organic molecules for efficient X-ray scintillation and imaging. <i>Nature Materials</i> , 2021 ,	27	31
90	One-Step Polymeric Melt Encapsulation Method to Prepare CsPbBr ₃ Perovskite Quantum Dots/Polymethyl Methacrylate Composite with High Performance. <i>Advanced Functional Materials</i> , 2021 , 31, 2010009	15.6	29
89	Sensitive single-color fluorescence "off-on" switch system for dsDNA detection based on quantum dots-ruthenium assembling dyads. <i>Biosensors and Bioelectronics</i> , 2014 , 56, 51-7	11.8	27
88	Top-Down Fabrication of Stable Methylammonium Lead Halide Perovskite Nanocrystals by Employing a Mixture of Ligands as Coordinating Solvents. <i>Angewandte Chemie</i> , 2017 , 129, 9699-9704	3.6	26
87	Size-Dependent Phase Transition in Perovskite Nanocrystals. <i>Journal of Physical Chemistry Letters</i> , 2019 , 10, 5451-5457	6.4	26
86	Highly transparent and colour-tunable composite films with increased quantum dot loading. <i>Journal of Materials Chemistry C</i> , 2014 , 2, 10031-10036	7.1	26
85	P-119: Low Cost Perovskite Quantum Dots Film Based Wide Color Gamut Backlight Unit for LCD TVs. <i>Digest of Technical Papers SID International Symposium</i> , 2018 , 49, 1657-1659	0.5	24
84	Room temperature continuous-wave excited biexciton emission in perovskite nanoplatelets via plasmonic nonlinear fano resonance. <i>Communications Physics</i> , 2019 , 2,	5.4	22
83	Controlled hybridization of Sn ₂ SnO ₂ nanoparticles via simple-programmed microfluidic processes for tunable ultraviolet and blue emissions. <i>Journal of Materials Chemistry C</i> , 2014 , 2, 7687-7694	7.1	22
82	General Synthesis and White Light Emission of Diluted Magnetic Semiconductor Nanowires Using Single-Source Precursors. <i>Chemistry of Materials</i> , 2013 , 25, 3260-3266	9.6	22
81	Template-free solution growth of highly regular, crystal orientation-ordered C60 nanorod bundles. <i>Journal of Materials Chemistry</i> , 2010 , 20, 953-956		21
80	Electronic States and Exciton Fine Structure in Colloidal CdTe Nanocrystals. <i>Journal of Physical Chemistry C</i> , 2009 , 113, 10465-10470	3.8	21

79	Reducing the Chromaticity Shifts of Light-Emitting Diodes Using Gradient-Alloyed Cd _x Zn _{1-x} Se _y S _{1-y} @ZnS Core Shell Quantum Dots with Enhanced High-Temperature Photoluminescence. <i>Advanced Optical Materials</i> , 2019 , 7, 1801687	8.1	20
78	Enhanced piezo-response in copper halide perovskites based PVDF composite films. <i>Science Bulletin</i> , 2018 , 63, 1254-1259	10.6	20
77	Highly Efficient Light Emitting Diodes Based on In Situ Fabricated FAPbI ₃ Nanocrystals: Solvent Effects of On-Chip Crystallization. <i>Advanced Optical Materials</i> , 2019 , 7, 1900774	8.1	20
76	PVA Hydrogel Embedded with Quantum Dots: A Potential Scalable and Healable Display Medium for Holographic 3D Applications. <i>Advanced Optical Materials</i> , 2014 , 2, 338-342	8.1	20
75	Transparent, flexible and luminescent composite films by incorporating CuInS ₂ based quantum dots into a cyanoethyl cellulose matrix. <i>RSC Advances</i> , 2012 , 2, 2675	3.7	20
74	Halogenated-Methylammonium Based 3D Halide Perovskites. <i>Advanced Materials</i> , 2019 , 31, e1903830	24	19
73	In Situ Patterning Perovskite Quantum Dots by Direct Laser Writing Fabrication. <i>ACS Photonics</i> , 2021 , 8, 765-770	6.3	19
72	Colloidal quantum dot hybrids: an emerging class of materials for ambient lighting. <i>Journal of Materials Chemistry C</i> , 2020 , 8, 10676-10695	7.1	18
71	Electrodeposition and electrocatalytic properties of platinum nanoparticles on multi-walled carbon nanotubes: effect of the deposition conditions. <i>Mikrochimica Acta</i> , 2007 , 158, 327-334	5.8	18
70	Solution-processed inorganic perovskite crystals as achromatic quarter-wave plates. <i>Nature Photonics</i> , 2021 , 15, 813-816	33.9	17
69	Efficient CuInS ₂ /ZnS Quantum Dots Light-Emitting Diodes in Deep Red Region Using PEIE Modified ZnO Electron Transport Layer. <i>Physica Status Solidi - Rapid Research Letters</i> , 2019 , 13, 1800575	2.5	17
68	Rapid Growth of Halide Perovskite Single Crystals: From Methods to Optimization Control. <i>Chinese Journal of Chemistry</i> , 2019 , 37, 616-629	4.9	16
67	Gram-Scale Synthesis of Blue-Emitting CH ₃ NH ₃ PbBr ₃ Quantum Dots Through Phase Transfer Strategy. <i>Frontiers in Chemistry</i> , 2018 , 6, 444	5	16
66	Alcohol-Soluble Quantum Dots: Enhanced Solution Processability and Charge Injection for Electroluminescence Devices. <i>IEEE Journal of Selected Topics in Quantum Electronics</i> , 2017 , 23, 1-8	3.8	15
65	Ultralong Homogeneously Alloyed Cd _x Se _{1-x} Nanowires with Highly Polarized and Color-Tunable Emissions. <i>Advanced Optical Materials</i> , 2014 , 2, 885-891	8.1	15
64	Highly luminescent red emissive perovskite quantum dots-embedded composite films: ligands capping and caesium doping-controlled crystallization process. <i>Nanoscale</i> , 2019 , 11, 4942-4947	7.7	15
63	Colloidal Synthesis of CH ₃ NH ₃ PbBr ₃ Nanoplatelets with Polarized Emission through Self-Organization. <i>Angewandte Chemie</i> , 2017 , 129, 1806-1809	3.6	14
62	Improving the efficiency of silicon solar cells using in situ fabricated perovskite quantum dots as luminescence downshifting materials. <i>Nanophotonics</i> , 2019 , 9, 93-100	6.3	14

61	Hydroxyl-Terminated CuInS-Based Quantum Dots: Potential Cathode Interfacial Modifiers for Efficient Inverted Polymer Solar Cells. <i>ACS Applied Materials & Interfaces</i> , 2017 , 9, 7362-7367	9.5	13
60	Morphology Evolution of Gradient-Alloyed Cd _x Zn _{1-x} Se _y S _{1-y} @ZnS Core/Shell Quantum Dots during Transmission Electron Microscopy Determination: A Route to Illustrate Strain Effects. <i>Journal of Physical Chemistry C</i> , 2018 , 122, 4583-4588	3.8	13
59	Direct Observation of Surface Polarons in Capped CuInS Quantum Dots by Ultrafast Pump-Probe Spectroscopies. <i>Journal of Physical Chemistry Letters</i> , 2019 , 10, 5297-5301	6.4	13
58	Biexciton Dynamics in Single Colloidal CdSe Quantum Dots. <i>Journal of Physical Chemistry Letters</i> , 2020 , 11, 10425-10432	6.4	13
57	Polarization-Sensitive Ultraviolet Detection from Oriented-CdSe@CdS-Dot-in-Rods-Integrated Silicon Photodetector. <i>Advanced Optical Materials</i> , 2019 , 7, 1900330	8.1	12
56	Probing Exciton Move and Localization in Solution-Grown Colloidal Cd _{1-x} Se _x S _{1-x} Alloyed Nanowires by Temperature- and Time-Resolved Spectroscopy. <i>Journal of Physical Chemistry C</i> , 2015 , 119, 22709-22717	7.8	12
55	Perovskite Quantum Dots Based Optical Fabry-Pot Pressure Sensor. <i>ACS Photonics</i> , 2020 , 7, 2390-2394	6.3	12
54	What Happens When Halide Perovskites Meet with Water?. <i>Journal of Physical Chemistry Letters</i> , 2022 , 2281-2290	6.4	12
53	Growth of CdS nanotubes and their strong optical microcavity effects. <i>Nanoscale</i> , 2019 , 11, 5325-5329	7.7	11
52	Formation of Mn doped CH ₃ NH ₃ PbBr ₃ perovskite microrods and their collective EMP lasing. <i>Journal of Physics Communications</i> , 2017 , 1, 055018	1.2	11
51	Synthesis of In ₂ S ₃ nanoplates and their self-assembly into superlattices. <i>Journal of Nanoscience and Nanotechnology</i> , 2007 , 7, 4346-52	1.3	10
50	Balanced Carrier Injection and Charge Separation of CuInS ₂ Quantum Dots for Bifunctional Light-Emitting and Photodetection Devices. <i>Journal of Physical Chemistry C</i> , 2020 , 124, 6554-6561	3.8	9
49	Photoluminescence Blinking and Biexciton Auger Recombination in Single Colloidal Quantum Dots with Sharp and Smooth Core/Shell Interfaces. <i>Journal of Physical Chemistry Letters</i> , 2021 , 12, 405-412	6.4	9
48	Blinking Mechanisms and Intrinsic Quantum-Confined Stark Effect in Single Methylammonium Lead Bromide Perovskite Quantum Dots. <i>Small</i> , 2020 , 16, e2005435	11	9
47	Impedance Spectroscopy: A Versatile Technique to Understand Solution-Processed Optoelectronic Devices. <i>Physica Status Solidi - Rapid Research Letters</i> , 2019 , 13, 1800580	2.5	9
46	Developing a Fluorescent Hybrid Nanobiosensor Based on Quantum Dots and Azoreductase Enzyme for Methyl Red Monitoring. <i>Iranian Biomedical Journal</i> , 2021 , 25, 8-20	2	9
45	Multi-Dimensional Quantum Nanostructures with Polarization Properties for Display Applications. <i>Israel Journal of Chemistry</i> , 2019 , 59, 639-648	3.4	8
44	Aqueous Synthesis of Methylammonium Lead Halide Perovskite Nanocrystals. <i>Angewandte Chemie</i> , 2018 , 130, 9798-9802	3.6	8

43	Influence of surface charges on the emission polarization properties of single CdSe/CdS dot-in-rods. <i>Frontiers of Physics</i> , 2019 , 14, 1	3.7	8
42	High-Q Microcavity Enhanced Optical Properties of CuInS ₂ /ZnS Colloidal Quantum Dots toward Non-Photodegradation. <i>ACS Photonics</i> , 2017 , 4, 369-377	6.3	7
41	Illustrating the Shell Thickness Dependence in Alloyed Core/Shell Quantum-Dot-Based Light-Emitting Diodes by Impedance Spectroscopy. <i>Journal of Physical Chemistry C</i> , 2019 , 123, 26011-26017	3.8	7
40	Gaining Insight into the Underlayer Treatment for in Situ Fabrication of Efficient Perovskite Nanocrystal-Based Light-Emitting Diodes. <i>Journal of Physical Chemistry C</i> , 2019 , 123, 17353-17359	3.8	7
39	Single Source Precursor Chemical Vapor Decomposition Method to Fabricate Stable, Bright Emissive Aluminum Hydroxide Phosphors for UV-Pumped White Light-Emitting Devices. <i>Advanced Optical Materials</i> , 2018 , 6, 1701115	8.1	7
38	Recombination processes in CuInS ₂ /ZnS nanocrystals during steady-state photoluminescence. <i>Applied Physics Letters</i> , 2016 , 108, 041106	3.4	7
37	Linearly polarized photoluminescence from anisotropic perovskite nanostructures: emerging materials for display technology. <i>Journal of Information Display</i> , 2019 , 20, 181-192	4.1	6
36	Tetraphenylethylene derivative capped CH ₃ NHPbBr nanocrystals: AIE-activated assembly into superstructures. <i>Faraday Discussions</i> , 2017 , 196, 91-99	3.6	6
35	The Evolution of Photoluminescence Properties of PEA ₂ SnI ₄ Upon Oxygen Exposure: Insight into Concentration Effects. <i>Advanced Functional Materials</i> , 2022 , 32, 2108296	15.6	6
34	Inch-sized aligned polymer nanofiber films with embedded CH ₃ NHPbBr nanocrystals: electrospinning fabrication using a folded aluminum foil as the collector. <i>Nanotechnology</i> , 2020 , 31, 075708	3.4	6
33	Photon management of combining nanostructural antireflection and perovskite down-shifting composite films for improving the efficiency of silicon solar cells. <i>Solar Energy Materials and Solar Cells</i> , 2021 , 220, 110856	6.4	6
32	Progress in semiconductor quantum dots-based continuous-wave laser. <i>Science China Materials</i> , 2020 , 63, 1382-1397	7.1	5
31	Colloidal CdMTe Nanowires from the Visible to the Near Infrared Region: N,N-Dimethylformamide-Mediated Precise Cation Exchange. <i>Journal of Physical Chemistry Letters</i> , 2020 , 11, 7-13	6.4	5
30	Interlayer Determined Photoluminescence Excitation Properties of Cs-Rich and Pb-Rich Cs ₄ PbBr ₆ Samples. <i>Journal of Physical Chemistry C</i> , 2021 , 125, 16103-16109	3.8	5
29	Enhanced emission of in-situ fabricated perovskite-polymer composite films on gold nanoparticle substrates. <i>Optical Materials Express</i> , 2020 , 10, 1659	2.6	4
28	Hot Polarons with Trapped Excitons and Octahedra-Twist Phonons in CH ₃ NH ₃ PbBr ₃ Hybrid Perovskite Nanowires. <i>Laser and Photonics Reviews</i> , 2020 , 14, 1900267	8.3	4
27	A Near-Infrared Miniature Quantum Dot Spectrometer. <i>Advanced Optical Materials</i> , 2021 , 9, 2100376	8.1	4
26	Optical detection of magnetic field with Mn ⁴⁺ :K ₂ SiF ₆ phosphor from room to liquid helium temperatures. <i>Applied Physics Letters</i> , 2017 , 110, 212405	3.4	3

25	37.5: Hybrid Backlight System based on Blue, Red LEDs and Perovskite Quantum Dots for Liquid Crystal Display Application. <i>Digest of Technical Papers SID International Symposium</i> , 2019 , 50, 411-413	0.5	3
24	Role of Aspect Ratio in the Photoluminescence of Single CdSe/CdS Dot-in-Rods. <i>Journal of Physical Chemistry C</i> , 2022 , 126, 2699-2707	3.8	3
23	Fast-Response Oxygen Optical Fiber Sensor based on PEA SnI Perovskite with Extremely Low Limit of Detection.. <i>Advanced Science</i> , 2022 , e2104708	13.6	3
22	Colloidal Synthesis of Giant Shell PbSe-Based Core/Shell Quantum Dots in Polar Solvent: Cation Exchange versus Epitaxial Growth. <i>Chemistry of Materials</i> , 2020 , 32, 6650-6656	9.6	3
21	Cation effect on excitons in perovskite nanocrystals from single-dot photoluminescence of CH ₃ NH ₃ PbI ₃ . <i>Physical Review B</i> , 2019 , 100,	3.3	3
20	Tunable Mie Resonances of Tin-based Iodide Perovskite Islandlike Films with Enhanced Infrared Photoluminescence. <i>Journal of Physical Chemistry Letters</i> , 2020 , 11, 3332-3338	6.4	3
19	Quantum Dot LEDs: Stretchable Organometal-Halide-Perovskite Quantum-Dot Light-Emitting Diodes (Adv. Mater. 22/2019). <i>Advanced Materials</i> , 2019 , 31, 1970157	24	2
18	75-1: Invited Paper: Hybrid Backlight System based on Blue, Red LEDs and Perovskite Quantum Dots for Liquid Crystal Display Application. <i>Digest of Technical Papers SID International Symposium</i> , 2019 , 50, 1064-1066	0.5	2
17	Light-Emitting Devices: All-Copper Nanocluster Based Down-Conversion White Light-Emitting Devices (Adv. Sci. 11/2016). <i>Advanced Science</i> , 2016 , 3,	13.6	2
16	Enhanced emission of in-situ fabricated perovskite-polymer composite films on gold nanoparticle substrates. <i>Optical Materials Express</i> , 2020 , 10, 1659	2.6	2
15	16-4: Late-News Paper: High Color Gamut Mini-LED Backlight Demon based on Dual-Emissive Perovskite Quantum Dots Films. <i>Digest of Technical Papers SID International Symposium</i> , 2020 , 51, 219-221	0.5	2
14	Nondestructive and Controllable Anion Exchange of Halide Perovskite Films through Finkelstein Reaction. <i>Journal of Physical Chemistry C</i> , 2021 , 125, 9253-9260	3.8	2
13	Ion exchange for halide perovskite: From nanocrystal to bulk materials. <i>Nano Select</i> ,	3.1	2
12	P-118: Quantum Dots - Silica Monolith: From Alcohol Soluble Quantum Dots to High Performance Light Emitting Diodes. <i>Digest of Technical Papers SID International Symposium</i> , 2018 , 49, 1654-1656	0.5	2
11	Impedance Spectroscopy: A Versatile Technique to Understand Solution-Processed Optoelectronic Devices (Phys. Status Solidi RRL 5/2019). <i>Physica Status Solidi - Rapid Research Letters</i> , 2019 , 13, 1970024	2.5	1
10	The Periodic Table. <i>Journal of Physical Chemistry A</i> , 2019 , 123, 5837-5848	2.8	1
9	The JPC Periodic Table. <i>Journal of Physical Chemistry C</i> , 2019 , 123, 17063-17074	3.8	1
8	The JPC Periodic Table. <i>Journal of Physical Chemistry Letters</i> , 2019 , 10, 4051-4062	6.4	1

7	P-80: Intelligent Remote Light-Emitting Systems using PMMA and CuInS ₂ Nanocrystals Composite Films. <i>Digest of Technical Papers SID International Symposium, 2014</i> , 45, 1285-1287	0.5	1
6	Performance analysis of PQDCF-coated silicon image sensor using Monte-Carlo ray-trace simulation. <i>Optics Express, 2019</i> , 27, 9079-9087	3.3	0
5	51.2: Invited Paper: Efficient Light-emitting Diodes Based on In-situ Fabricated Perovskite Nanocrystals. <i>Digest of Technical Papers SID International Symposium, 2019</i> , 50, 567-567	0.5	
4	P-4.2: Reducing Chromaticity Shifts of Light Emitting Diodes using Gradient Alloyed Cd _x Zn _{1-x} Se _y S _{1-y} @ZnS Core Shell Quantum Dots. <i>Digest of Technical Papers SID International Symposium, 2019</i> , 50, 702-702	0.5	
3	Paper No S10.1: Emerging Materials and Processes for Quantum Dots based Display Technology (Invited Paper). <i>Digest of Technical Papers SID International Symposium, 2015</i> , 46, 42-42	0.5	
2	62-9: Invited Paper: Hybrid Composite Films with Perovskite Quantum Dots and Red Phosphors for LCD Display Backlights. <i>Digest of Technical Papers SID International Symposium, 2021</i> , 52, 912-913	0.5	
1	P-4.8: In-situ Patterning Perovskite Quantum Dots by Direct Laser Writing Fabrication. <i>Digest of Technical Papers SID International Symposium, 2021</i> , 52, 771-771	0.5	