

Junjie Hao

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69

papers

1,310

citations

18

h-index

35

g-index

78

ext. papers

1,584

ext. citations

5.1

avg, IF

4.33

L-index

#	Paper	IF	Citations
69	Halide-Rich Synthesized Cesium Lead Bromide Perovskite Nanocrystals for Light-Emitting Diodes with Improved Performance. <i>Chemistry of Materials</i> , 2017 , 29, 5168-5173	9.6	187
68	Large Stokes Shift and High Efficiency Luminescent Solar Concentrator Incorporated with CuInS ₂ /ZnS Quantum Dots. <i>Scientific Reports</i> , 2015 , 5, 17777	4.9	108
67	Polarized emission from CsPbX ₃ perovskite quantum dots. <i>Nanoscale</i> , 2016 , 8, 11565-70	7.7	98
66	A simplified method for synthesis of Fe ₃ O ₄ @PAA nanoparticles and its application for the removal of basic dyes. <i>Applied Surface Science</i> , 2012 , 258, 3897-3902	6.7	81
65	Optically Active CdSe-Dot/CdS-Rod Nanocrystals with Induced Chirality and Circularly Polarized Luminescence. <i>ACS Nano</i> , 2018 , 12, 5341-5350	16.7	73
64	Targeting Cooling for Quantum Dots in White QDs-LEDs by Hexagonal Boron Nitride Platelets with Electrostatic Bonding. <i>Advanced Functional Materials</i> , 2018 , 28, 1801407	15.6	68
63	Employing Polar Solvent Controlled Ionization in Precursors for Synthesis of High-Quality Inorganic Perovskite Nanocrystals at Room Temperature. <i>Advanced Functional Materials</i> , 2018 , 28, 1706000	15.6	59
62	A tri-n-octylphosphine-assisted successive ionic layer adsorption and reaction method to synthesize multilayered core-shell CdSe-ZnS quantum dots with extremely high quantum yield. <i>Chemical Communications</i> , 2013 , 49, 6346-8	5.8	53
61	Highly Efficient and Stable Luminescence from Microbeans Integrated with Cd-Free Quantum Dots for White-Light-Emitting Diodes. <i>Particle and Particle Systems Characterization</i> , 2015 , 32, 922-927	3.1	42
60	Structural optimization for remote white light-emitting diodes with quantum dots and phosphor: packaging sequence matters. <i>Optics Express</i> , 2016 , 24, A1560-A1570	3.3	42
59	Aqueous synthesis of CdTe/CdSe core/shell quantum dots as pH-sensitive fluorescence probe for the determination of ascorbic acid. <i>Journal of Fluorescence</i> , 2011 , 21, 1123-9	2.4	40
58	Self-templated synthesis of bifunctional Fe ₃ O ₄ @MgSiO ₃ magnetic sub-microspheres for toxic metal ions removal. <i>Chemical Engineering Journal</i> , 2012 , 180, 121-127	14.7	35
57	Advanced principal component analysis method for phase reconstruction. <i>Optics Express</i> , 2015 , 23, 12223-31	3.3	30
56	Scattering enhanced quantum dots based luminescent solar concentrators by silica microparticles. <i>Solar Energy Materials and Solar Cells</i> , 2018 , 179, 380-385	6.4	30
55	White Light-Emitting Diodes With Enhanced Efficiency and Thermal Stability Optimized by Quantum Dots-Silica Nanoparticles. <i>IEEE Transactions on Electron Devices</i> , 2018 , 65, 605-609	2.9	29
54	High Efficiency and Color Rendering Quantum Dots White Light Emitting Diodes Optimized by Luminescent Microspheres Incorporating. <i>Nanophotonics</i> , 2016 , 5, 565-572	6.3	26
53	A facile route to synthesize CdSe/ZnS thick-shell quantum dots with precisely controlled green emission properties: towards QDs based LED applications. <i>Scientific Reports</i> , 2019 , 9, 12048	4.9	23

52	Chiral CdSe nanoplatelets as an ultrasensitive probe for lead ion sensing. <i>Nanoscale</i> , 2019 , 11, 9327-9334	4.7	21
51	Superhydrophobic surfaces on brass substrates fabricated via micro-etching and a growth process. <i>RSC Advances</i> , 2017 , 7, 26145-26152	3.7	17
50	Realization of wide circadian variability by quantum dots-luminescent mesoporous silica-based white light-emitting diodes. <i>Nanotechnology</i> , 2017 , 28, 425204	3.4	17
49	Synthesis of superparamagnetic Fe ₃ O ₄ nanocrystals in reverse microemulsion at room temperature. <i>Materials Research Innovations</i> , 2010 , 14, 324-326	1.9	14
48	Probing the mechanism of the interaction between l-cysteine-capped-CdTe quantum dots and Hg(2+) using capillary electrophoresis with ensemble techniques. <i>Electrophoresis</i> , 2015 , 36, 859-66	3.6	13
47	Ligand-Induced Chirality in Asymmetric CdSe/CdS Nanostructures: A Close Look at Chiral Tadpoles. <i>ACS Nano</i> , 2020 , 14, 10346-10358	16.7	13
46	Seed-mediated growth approach for rapid synthesis of high-performance red-emitting CdTe quantum dots in aqueous phase and their application in detection of highly reactive oxygen species. <i>Chemical Engineering Journal</i> , 2016 , 299, 201-208	14.7	13
45	Atomic Layer Deposition Assisted Encapsulation of Quantum Dot Luminescent Microspheres toward Display Applications. <i>Advanced Optical Materials</i> , 2020 , 8, 1902118	8.1	12
44	Synthesis of high-quality and efficient quantum dots with inorganic surface passivation in a modified phosphine-free method. <i>Materials Letters</i> , 2015 , 139, 98-100	3.3	11
43	Light Conversion Efficiency Enhancement of Modified Quantum Dot Films Integrated With Micro SiO ₂ Particles. <i>Journal of Display Technology</i> , 2016 , 12, 1152-1156		11
42	Precise optical modeling of quantum dots for white light-emitting diodes. <i>Scientific Reports</i> , 2017 , 7, 16663	4.9	11
41	Prepare core-multishell CdSe/ZnS nanocrystals with pure color and controlled emission by tri-n-octylphosphine-assisted method. <i>Applied Surface Science</i> , 2015 , 353, 480-488	6.7	10
40	Water-soluble chiral CdSe/CdS dot/rod nanocrystals for two-photon fluorescence lifetime imaging and photodynamic therapy. <i>Nanoscale</i> , 2019 , 11, 15245-15252	7.7	10
39	Low reabsorption and stability enhanced luminescent solar concentrators based on silica encapsulated quantum rods. <i>Solar Energy Materials and Solar Cells</i> , 2020 , 206, 110321	6.4	10
38	Hydrothermal Transformation of Titanate Scrolled Nanosheets to Anatase over a Wide pH Range and Contribution of Triethanolamine and Oleic Acid to Control the Morphology. <i>Inorganic Chemistry</i> , 2019 , 58, 2588-2598	5.1	9
37	Silica encapsulation of metal perovskite nanocrystals in a photoluminescence type display application. <i>Nanotechnology</i> , 2019 , 30, 395702	3.4	6
36	41-3: Invited Paper: Luminescent Nanocrystals and Composites for High Quality Displays and Lighting. <i>Digest of Technical Papers SID International Symposium</i> , 2016 , 47, 556-559	0.5	6
35	63-2: Distinguished Paper: Large-scale Luminance Enhancement Film with Quantum Rods Aligned in Polymeric Nanofibers for High Efficiency Wide Color Gamut LED Display. <i>Digest of Technical Papers SID International Symposium</i> , 2016 , 47, 854-857	0.5	6

34	12.3: Core-Shell Quantum Dots Synthesized by Using Tri-n-Octylphosphine-Assisted Method for High-Color-Saturation Displays. <i>Digest of Technical Papers SID International Symposium</i> , 2014 , 45, 138-141	0.5	6
33	P-89: Effects of Nano-TiO ₂ Particles on Conversion Efficiency of Quantum Dots Light Converting Nanocomposites. <i>Digest of Technical Papers SID International Symposium</i> , 2015 , 46, 1491-1494	0.5	5
32	Strong multiphoton absorption in chiral CdSe/CdS dot/rod nanocrystal-doped poly(vinyl alcohol) films. <i>Optics Letters</i> , 2019 , 44, 2256-2259	3	5
31	Causal Inference Machine Learning Leads Original Experimental Discovery in CdSe/CdS Core/Shell Nanoparticles. <i>Journal of Physical Chemistry Letters</i> , 2020 , 11, 7232-7238	6.4	5
30	Enhanced light emission of quantum dot films by scattering of poly(zinc methacrylate) coating CdZnSeS/ZnS quantum dots and high refractive index BaTiO nanoparticles.. <i>RSC Advances</i> , 2020 , 10, 31703-31710	3.7	5
29	Highly Polarized Fluorescent Film Based on Aligned Quantum Rods by Contact Ink-Jet Printing Method. <i>IEEE Photonics Journal</i> , 2019 , 11, 1-11	1.8	4
28	P-84: A Low-Cost, High-Throughput Procedure Synthesize of Pure-Green Core-Multishell Quantum Dots by using Modified Tri-n-Octylphosphine-Assisted SILAR Method. <i>Digest of Technical Papers SID International Symposium</i> , 2015 , 46, 1465-1468	0.5	4
27	32-4: In-situ Polymerization of Polystyrene for Synthesis of Quantum Dots Composite Particle for Wide Color Gamut Display. <i>Digest of Technical Papers SID International Symposium</i> , 2017 , 48, 459-462	0.5	3
26	P-122: High Quantum Yield Green and Red CdSe/CdS Dot-in-Rods and Their Electroluminescent Light Emitting Diodes. <i>Digest of Technical Papers SID International Symposium</i> , 2019 , 50, 1705-1708	0.5	3
25	Spectral and Nonlinear Optical Properties of Quasi-Type II CdSe/CdS Nanotadpoles. <i>Journal of Physical Chemistry C</i> , 2020 , 124, 27840-27847	3.8	3
24	Fabrication of Fe ₃ O ₄ /CdSe/SiO ₂ magnetic-fluorescent bifunctional nanocomposites by facile approach. <i>Materials Research Innovations</i> , 2011 , 15, 172-177	1.9	3
23	Alloyed Green-Emitting CdZnSeS/ZnS Quantum Dots with Dense Protective Layers for Stable Lighting and Display Applications. <i>ACS Applied Materials & Interfaces</i> , 2021 , 13, 32217-32225	9.5	3
22	Optically Active CdSe/CdS Nanoplatelets Exhibiting Both Circular Dichroism and Circularly Polarized Luminescence. <i>Advanced Optical Materials</i> , 2021 , 9, 2101142	8.1	3
21	4-4: High Stability Green Luminescent Microspheres based on Quantum Dot. <i>Digest of Technical Papers SID International Symposium</i> , 2018 , 49, 32-35	0.5	3
20	Hole Scavenging and Electron-Hole Pair Photoproduction Rate: Two Mandatory Key Factors to Control Single-Tip Au-CdSe/CdS Nanoheterodimers. <i>ACS Nano</i> , 2021 , 15, 15328-15341	16.7	3
19	32-3: Stability Enhancement of Light Emitting Diode Based on Quantum Dots through Atomic Layer Deposition. <i>Digest of Technical Papers SID International Symposium</i> , 2017 , 48, 455-458	0.5	2
18	Surface modification toward luminescent and stable silica-coated quantum dots color filter. <i>Science China Materials</i> , 2019 , 62, 1463-1469	7.1	2
17	Metal-to-Ligand Charge Transfer Chirality Sensing of d-Glucose Assisted with GOX-Based Enzymatic Reaction. <i>Advanced Materials Technologies</i> , 2020 , 5, 2000138	6.8	2

16	Large-scale active luminance film with enhanced polarization made of aligned quantum-rod-containing polymeric nanofibers for highly efficient and wide color gamut LCD displays. <i>Chinese Journal of Liquid Crystals and Displays</i> , 2018 , 33, 261-270	1.3	2
15	20-3: A Greener Method to Synthesize Br-rich Inorganic Cesium Lead Bromine Perovskite Nanocrystals for High Brightness Light-Emitting Diodes. <i>Digest of Technical Papers SID International Symposium</i> , 2017 , 48, 280-283	0.5	1
14	Utilizing CdSe/ZnS core/shell QDs to improve the modulation bandwidth of WLED for visible light communication 2016 ,		1
13	P-89: Polarization Fluorescence Property Observed in the CsPbX ₃ Perovskites Quantum Dots. <i>Digest of Technical Papers SID International Symposium</i> , 2016 , 47, 1458-1461	0.5	1
12	White-Light-Emitting Diodes: Targeting Cooling for Quantum Dots in White QDs-LEDs by Hexagonal Boron Nitride Platelets with Electrostatic Bonding (Adv. Funct. Mater. 30/2018). <i>Advanced Functional Materials</i> , 2018 , 28, 1870212	15.6	1
11	. <i>IEEE Journal of Quantum Electronics</i> , 2019 , 55, 1-6	2	1
10	Large-scale brightness enhancement film with quantum rods aligned in polymeric nanofibers for high efficiency wide color gamut LED display 2015 ,		1
9	P-93: High Performance of Quantum Dot Based Light Emitting Diodes Optimized by Graphene Sheets. <i>Digest of Technical Papers SID International Symposium</i> , 2016 , 47, 1472-1475	0.5	1
8	34-2: A Rapid, Highly Emissive Procedure Synthesize of Giant Pure Red Coreshell Quantum Rods by Using Modified Tributylphosphine-assisted Method. <i>Digest of Technical Papers SID International Symposium</i> , 2016 , 47, 428-431	0.5	1
7	Luminescent perovskite nanocrystal composites via in situ ligand polymerization towards display applications. <i>Journal of Materials Chemistry C</i> ,	7.1	1
6	Organic-Phase Synthesis of Blue Emission Copper Nanoparticles for Light-Emitting Diodes. <i>ACS Applied Nano Materials</i> , 2022 , 5, 3967-3972	5.6	0
5	20-2: Mixed-Cation Perovskite Light-Emitting Diodes with High Brightness and High Current Efficiency. <i>Digest of Technical Papers SID International Symposium</i> , 2017 , 48, 276-279	0.5	
4	Quantum-Dot Luminescent Microspheres: Atomic Layer Deposition Assisted Encapsulation of Quantum Dot Luminescent Microspheres toward Display Applications (Advanced Optical Materials 12/2020). <i>Advanced Optical Materials</i> , 2020 , 8, 2070048	8.1	
3	P-93: Compact Stable Quantum Dots via Amide-Mediated Synthesis of PMO-Based Multifunctional Ligand. <i>Digest of Technical Papers SID International Symposium</i> , 2020 , 51, 1719-1722	0.5	
2	34-3: A Low-cost, Two-step Nucleation and Growth of CdTe Quantum Dots via Magic-sized Cluster Intermediates in Aqueous Phase. <i>Digest of Technical Papers SID International Symposium</i> , 2016 , 47, 432-435	0.5	
1	17.5: Fabrication of CdSe/ZnS Quantum Dot Color Filters via Photolithography Process. <i>Digest of Technical Papers SID International Symposium</i> , 2018 , 49, 195-195	0.5	