

Junjie Hao

List of Publications by Year in descending order

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77
papers

1,805
citations

331642

21
h-index

276858

41
g-index

78
all docs

78
docs citations

78
times ranked

2489
citing authors

#	ARTICLE	IF	CITATIONS
1	Halide-Rich Synthesized Cesium Lead Bromide Perovskite Nanocrystals for Light-Emitting Diodes with Improved Performance. <i>Chemistry of Materials</i> , 2017, 29, 5168-5173.	6.7	253
2	Large Stokes Shift and High Efficiency Luminescent Solar Concentrator Incorporated with CuInS ₂ /ZnS Quantum Dots. <i>Scientific Reports</i> , 2016, 5, 17777.	3.3	136
3	Polarized emission from CsPbX ₃ perovskite quantum dots. <i>Nanoscale</i> , 2016, 8, 11565-11570.	5.6	125
4	Optically Active CdSe-Dot/CdS-Rod Nanocrystals with Induced Chirality and Circularly Polarized Luminescence. <i>ACS Nano</i> , 2018, 12, 5341-5350.	14.6	102
5	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.	6.1	92
6	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.	14.9	83
7	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.	14.9	82
8	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.	4.1	66
9	Highly Efficient and Stable Luminescence from Microbeads Integrated with Cd-Free Quantum Dots for White-Light-Emitting Diodes. <i>Particle and Particle Systems Characterization</i> , 2015, 32, 922-927.	2.3	49
10	Structural optimization for remote white light-emitting diodes with quantum dots and phosphor: packaging sequence matters. <i>Optics Express</i> , 2016, 24, A1560.	3.4	49
11	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.	3.3	47
12	Ligand-Induced Chirality in Asymmetric CdSe/CdS Nanostructures: A Close Look at Chiral Tadpoles. <i>ACS Nano</i> , 2020, 14, 10346-10358.	14.6	45
13	Scattering enhanced quantum dots based luminescent solar concentrators by silica microparticles. <i>Solar Energy Materials and Solar Cells</i> , 2018, 179, 380-385.	6.2	44
14	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, 1123-1129.	2.5	42
15	Advanced principal component analysis method for phase reconstruction. <i>Optics Express</i> , 2015, 23, 12222.	3.4	41
16	Chiral CdSe nanoplatelets as an ultrasensitive probe for lead ion sensing. <i>Nanoscale</i> , 2019, 11, 9327-9334.	5.6	39
17	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.	12.7	38
18	High Efficiency and Color Rendering Quantum Dots White Light Emitting Diodes Optimized by Luminescent Microspheres Incorporating. <i>Nanophotonics</i> , 2016, 5, 565-572.	6.0	35

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19	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.	3.0	33
20	Water-soluble chiral CdSe/CdS dot/rod nanocrystals for two-photon fluorescence lifetime imaging and photodynamic therapy. <i>Nanoscale</i> , 2019, 11, 15245-15252.	5.6	26
21	Superhydrophobic surfaces on brass substrates fabricated via micro-etching and a growth process. <i>RSC Advances</i> , 2017, 7, 26145-26152.	3.6	25
22	Atomic Layer Deposition Assisted Encapsulation of Quantum Dot Luminescent Microspheres toward Display Applications. <i>Advanced Optical Materials</i> , 2020, 8, 1902118.	7.3	22
23	Realization of wide circadian variability by quantum dots-luminescent mesoporous silica-based white light-emitting diodes. <i>Nanotechnology</i> , 2017, 28, 425204.	2.6	21
24	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.	2.6	17
25	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.	6.2	17
26	Synthesis of superparamagnetic Fe ₃ O ₄ nanocrystals in reverse microemulsion at room temperature. <i>Materials Research Innovations</i> , 2010, 14, 324-326.	2.3	16
27	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.	12.7	16
28	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.	4.0	16
29	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.	1.2	15
30	Probing the mechanism of the interaction between cysteine-capped CdTe quantum dots and Hg ²⁺ using capillary electrophoresis with ensemble techniques. <i>Electrophoresis</i> , 2015, 36, 859-866.	2.4	14
31	Precise optical modeling of quantum dots for white light-emitting diodes. <i>Scientific Reports</i> , 2017, 7, 16663.	3.3	13
32	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.	8.0	13
33	Optically Active CdSe/CdS Nanoplatelets Exhibiting Both Circular Dichroism and Circularly Polarized Luminescence. <i>Advanced Optical Materials</i> , 2021, 9, 2101142.	7.3	13
34	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.	4.6	12
35	Strong multiphoton absorption in chiral CdSe/CdS dot/rod nanocrystal-doped poly(vinyl alcohol) films. <i>Optics Letters</i> , 2019, 44, 2256.	3.3	12
36	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.	6.1	10

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37	Silica encapsulation of metal perovskite nanocrystals in a photoluminescence type display application. Nanotechnology, 2019, 30, 395702.	2.6	10
38	Spectral and Nonlinear Optical Properties of Quasi-Type II CdSe/CdS Nanotadpoles. Journal of Physical Chemistry C, 2020, 124, 27840-27847.	3.1	10
39	Enhanced light emission of quantum dot films by scattering of poly(zinc methacrylate) coating CdZnSeS/ZnS quantum dots and high refractive index BaTiO ₃ nanoparticles. RSC Advances, 2020, 10, 31705-31710.	3.6	9
40	41-3: <i>Invited Paper</i>: Luminescent Nanocrystals and Composites for High Quality Displays and Lighting. Digest of Technical Papers SID International Symposium, 2016, 47, 556-559.	0.3	7
41	63-2: <i>Distinguished Paper</i>: Large-scale Luminance Enhancement Film with Quantum Rods Aligned in Polymeric Nanofibers for High Efficiency Wide Color Gamut LED Display. Digest of Technical Papers SID International Symposium, 2016, 47, 854-857.	0.3	7
42	Hole Scavenging and Electron–Hole Pair Photoproduction Rate: Two Mandatory Key Factors to Control Single-Tip Au–CdSe/CdS Nanoheterodimers. ACS Nano, 2021, 15, 15328-15341.	14.6	7
43	12.3: Core–Shell Quantum Dots Synthesized by Using Tri–Octylphosphine–Assisted Method for High–Color–Saturation Displays. Digest of Technical Papers SID International Symposium, 2014, 45, 138-141.	0.3	6
44	P–89: Effects of Nano–TiO ₂ Particles on Conversion Efficiency of Quantum Dots Light Converting Nanocomposites. Digest of Technical Papers SID International Symposium, 2015, 46, 1491-1494.	0.3	5
45	Surface modification toward luminescent and stable silica-coated quantum dots color filter. Science China Materials, 2019, 62, 1463-1469.	6.3	5
46	Highly Polarized Fluorescent Film Based on Aligned Quantum Rods by Contact Ink-Jet Printing Method. IEEE Photonics Journal, 2019, 11, 1-11.	2.0	5
47	Perovskite Nanocrystal Luminescent Composite via In-situ Ligand Polymerization Towards Display Application. Journal of Materials Chemistry C, 0, . .	5.5	5
48	P–84: A Low–Cost, High–Throughput Procedure Synthesize of Pure–Green Core–Multishell Quantum Dots by using Modified Tri–Octylphosphine–Assisted SILAR Method. Digest of Technical Papers SID International Symposium, 2015, 46, 1465-1468.	0.3	4
49	Highly Polarized Active Fluorescent Enhancement Polymer Film With Quantum Rods Aligned by Ink-Jet Printing. IEEE Journal of Quantum Electronics, 2019, 55, 1-6.	1.9	4
50	Metal–Ligand Charge Transfer Chirality Sensing of d–Glucose Assisted with GOX–Based Enzymatic Reaction. Advanced Materials Technologies, 2020, 5, 2000138.	5.8	4
51	Fabrication of Fe ₃ O ₄ /CdSe/SiO ₂ magnetic-fluorescent bifunctional nanocomposites by facile approach. Materials Research Innovations, 2011, 15, 172-177.	2.3	3
52	32–4: In–situ Polymerization of Polystyrene for Synthesis of Quantum Dots Composite Particle for Wide Color Gamut Display. Digest of Technical Papers SID International Symposium, 2017, 48, 459-462.	0.3	3
53	4–4: High Stability Green Luminescent Microspheres based on Quantum Dot. Digest of Technical Papers SID International Symposium, 2018, 49, 32-35.	0.3	3
54	P–122: High Quantum Yield Green and Red CdSe/CdS Dot–In–Rods and Their Electroluminescent Light Emitting Diodes. Digest of Technical Papers SID International Symposium, 2019, 50, 1705-1708.	0.3	3

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55	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. Chinese Journal of Liquid Crystals and Displays, 2018, 33, 261-270.	0.3	3
56	Organic-Phase Synthesis of Blue Emission Copper Nanoparticles for Light-Emitting Diodes. ACS Applied Nano Materials, 2022, 5, 3967-3972.	5.0	3
57	34-2: A Rapid, Highly Emissive Procedure Synthesize of Giant Pure Red Coreshell Quantum Rods by Using Modified Tributylphosphine-assisted Method. Digest of Technical Papers SID International Symposium, 2016, 47, 428-431.	0.3	2
58	P-89: Polarization Fluorescence Property Observed in the CsPbX ₃ Perovskites Quantum Dots. Digest of Technical Papers SID International Symposium, 2016, 47, 1458-1461.	0.3	2
59	32: Stability Enhancement of Light Emitting Diode Based on Quantum Dots through Atomic Layer Deposition. Digest of Technical Papers SID International Symposium, 2017, 48, 455-458.	0.3	2
60	White light-emitting diodes with enhanced luminous efficiency and high color rendering using separated quantum dots@silica/phosphor structure. , 2017, , .		2
61	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). Advanced Functional Materials, 2018, 28, 1870212.	14.9	2
62	The mechanism of ligand-induced chiral transmission through a top-down selective domain etching process. Materials Chemistry Frontiers, 2022, 6, 1194-1208.	5.9	2
63	Thermally Processed Quantum-Dot Polypropylene Composite Color Converter Film for Displays. ACS Applied Materials & Interfaces, 2022, 14, 31160-31169.	8.0	2
64	Large-scale brightness enhancement film with quantum rods aligned in polymeric nanofibers for high efficiency wide color gamut LED display. , 2015, , .		1
65	P-93: High Performance of Quantum Dot Based Light Emitting Diodes Optimized by Graphene Sheets. Digest of Technical Papers SID International Symposium, 2016, 47, 1472-1475.	0.3	1
66	Utilizing CdSe/ZnS core/shell QDs to improve the modulation bandwidth of WLED for visible light communication. , 2016, , .		1
67	20: A Greener Method to Synthesize Br-rich Inorganic Cesium Lead Bromine Perovskite Nanocrystals for High Brightness Light-Emitting Diodes. Digest of Technical Papers SID International Symposium, 2017, 48, 280-283.	0.3	1
68	Thermal analysis of white light-emitting diodes structures with hybrid quantum dots/phosphor layer. , 2017, , .		1
69	Synthesis of CdSe/CdS Core/Shell Quantum Dots Luminescent Microspheres and Their Application for WLEDs. Chinese Journal of Luminescence, 2017, 38, 1003-1009.	0.5	1
70	High efficient and color rendering quantum dots optimized white light emitting diodes. , 2015, , .		0
71	34-3: A Low-cost, Two-step Nucleation and Growth of CdTe Quantum Dots via Magic-sized Cluster Intermediates in Aqueous Phase. Digest of Technical Papers SID International Symposium, 2016, 47, 432-435.	0.3	0
72	Large-scale alignment quantum rods film for high efficiency wide color gamut LED display. , 2016, , .		0

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73	20â€2: Mixedâ€Cation Perovskite Lightâ€Emitting Diodes with High Brightness and High Current Efficiency. Digest of Technical Papers SID International Symposium, 2017, 48, 276-279.	0.3	0
74	17.5: Fabrication of CdSe/ZnS Quantum Dot Color Filters via Photolithography Process. Digest of Technical Papers SID International Symposium, 2018, 49, 195-195.	0.3	0
75	Pâ€93: Compact Stable Quantum Dots via Amideâ€Mediated Synthesis of PMOâ€Based Multifunctional Ligand. Digest of Technical Papers SID International Symposium, 2020, 51, 1719-1722.	0.3	0
76	Quantumâ€Dot Luminescent Microspheres: Atomic Layer Deposition Assisted Encapsulation of Quantum Dot Luminescent Microspheres toward Display Applications (Advanced Optical Materials 12/2020). Advanced Optical Materials, 2020, 8, 2070048.	7.3	0
77	Efficient Perovskite Light-Emitting Diodes based on Double Organic Cations. , 2017, , .		0