Junjie Hao

List of Publications by Year in Descending Order

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	Organic-Phase Synthesis of Blue Emission Copper Nanoparticles for Light-Emitting Diodes. *ACS Applied Nano Materials*, **2022**, 5, 3967-3972	5.6	0
68	Alloyed Green-Emitting CdZnSeS/ZnS Quantum Dots with Dense Protective Layers for Stable Lighting and Display Applications. *ACS Applied Materials & Interfaces*, **2021**, 13, 32217-32225	9.5	3
67	Optically Active CdSe/CdS Nanoplatelets Exhibiting Both Circular Dichroism and Circularly Polarized Luminescence. *Advanced Optical Materials*, **2021**, 9, 2101142	8.1	3
66	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	16.7	3
65	Spectral and Nonlinear Optical Properties of Quasi-Type II CdSe/CdS Nanotadpoles. *Journal of Physical Chemistry C*, **2020**, 124, 27840-27847	3.8	3
64	Metal-to-Ligand Charge Transfer Chirality Sensing of d-Glucose Assisted with GOX-Based Enzymatic Reaction. *Advanced Materials Technologies*, **2020**, 5, 2000138	6.8	2
63	Quantum-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	8.1	
62	Low reabsorption and stability enhanced luminescent solar concentrators based on silica encapsulated quantum rods. *Solar Energy Materials and Solar Cells*, **2020**, 206, 110321	6.4	10
61	P-93: Compact Stable Quantum Dots via Amide-Mediated Synthesis of PMO-Based Multifunctional Ligand. *Digest of Technical Papers SID International Symposium*, **2020**, 51, 1719-1722	0.5	
60	Ligand-Induced Chirality in Asymmetric CdSe/CdS Nanostructures: A Close Look at Chiral Tadpoles. *ACS Nano*, **2020**, 14, 10346-10358	16.7	13
59	Causal Inference Machine Learning Leads Original Experimental Discovery in CdSe/CdS Core/Shell Nanoparticles. *Journal of Physical Chemistry Letters*, **2020**, 11, 7232-7238	6.4	5
58	Enhanced light emission of quantum dot films by scattering of poly(zinc methacrylate) coating CdZnSeS/ZnS quantum dots and high refractive index BaTiO nanoparticles.. *RSC Advances*, **2020**, 10, 31705-31710	3.7	5
57	Atomic Layer Deposition Assisted Encapsulation of Quantum Dot Luminescent Microspheres toward Display Applications. *Advanced Optical Materials*, **2020**, 8, 1902118	8.1	12
56	A facile route to synthesize CdSe/ZnS thick-shell quantum dots with precisely controlled green emission properties: towards QDs based LED applications. *Scientific Reports*, **2019**, 9, 12048	4.9	23
55	Hydrothermal Transformation of Titanate Scrolled Nanosheets to Anatase over a Wide pH Range and Contribution of Triethanolamine and Oleic Acid to Control the Morphology. *Inorganic Chemistry* , **2019**, 58, 2588-2598	5.1	9
54	Surface modification toward luminescent and stable silica-coated quantum dots color filter. *Science China Materials*, **2019**, 62, 1463-1469	7.1	2
53	Silica encapsulation of metal perovskite nanocrystals in a photoluminescence type display application. *Nanotechnology*, **2019**, 30, 395702	3.4	6

52	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	0.5	3
51	Chiral CdSe nanoplatelets as an ultrasensitive probe for lead ion sensing. *Nanoscale*, **2019**, 11, 9327-9334	7.7	21
50	Highly Polarized Fluorescent Film Based on Aligned Quantum Rods by Contact Ink-Jet Printing Method. *IEEE Photonics Journal*, **2019**, 11, 1-11	1.8	4
49	Water-soluble chiral CdSe/CdS dot/rod nanocrystals for two-photon fluorescence lifetime imaging and photodynamic therapy. *Nanoscale*, **2019**, 11, 15245-15252	7.7	10
48	. *IEEE Journal of Quantum Electronics*, **2019**, 55, 1-6	2	1
47	Strong multiphoton absorption in chiral CdSe/CdS dot/rod nanocrystal-doped poly(vinyl alcohol) films. *Optics Letters*, **2019**, 44, 2256-2259	3	5
46	White Light-Emitting Diodes With Enhanced Efficiency and Thermal Stability Optimized by Quantum Dots-Silica Nanoparticles. *IEEE Transactions on Electron Devices*, **2018**, 65, 605-609	2.9	29
45	Scattering enhanced quantum dots based luminescent solar concentrators by silica microparticles. *Solar Energy Materials and Solar Cells*, **2018**, 179, 380-385	6.4	30
44	Employing Polar Solvent Controlled Ionization in Precursors for Synthesis of High-Quality Inorganic Perovskite Nanocrystals at Room Temperature. *Advanced Functional Materials*, **2018**, 28, 1706000	15.6	59
43	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	15.6	1
42	Targeting Cooling for Quantum Dots in White QDs-LEDs by Hexagonal Boron Nitride Platelets with Electrostatic Bonding. *Advanced Functional Materials*, **2018**, 28, 1801407	15.6	68
41	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	1.3	2
40	17.5: Fabrication of CdSe/ZnS Quantum Dot Color Filters via Photolithography Process. *Digest of Technical Papers SID International Symposium*, **2018**, 49, 195-195	0.5	
39	Optically Active CdSe-Dot/CdS-Rod Nanocrystals with Induced Chirality and Circularly Polarized Luminescence. *ACS Nano*, **2018**, 12, 5341-5350	16.7	73
38	4-4: High Stability Green Luminescent Microspheres based on Quantum Dot. *Digest of Technical Papers SID International Symposium*, **2018**, 49, 32-35	0.5	3
37	Superhydrophobic surfaces on brass substrates fabricated via micro-etching and a growth process. *RSC Advances*, **2017**, 7, 26145-26152	3.7	17
36	20-2: Mixed-Cation Perovskite Light-Emitting Diodes with High Brightness and High Current Efficiency. *Digest of Technical Papers SID International Symposium*, **2017**, 48, 276-279	0.5	
35	20-3: 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	0.5	1

34	32-3: 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	0.5	2
33	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	0.5	3
32	Halide-Rich Synthesized Cesium Lead Bromide Perovskite Nanocrystals for Light-Emitting Diodes with Improved Performance. *Chemistry of Materials*, **2017**, 29, 5168-5173	9.6	187
31	Realization of wide circadian variability by quantum dots-luminescent mesoporous silica-based white light-emitting diodes. *Nanotechnology*, **2017**, 28, 425204	3.4	17
30	Precise optical modeling of quantum dots for white light-emitting diodes. *Scientific Reports*, **2017**, 7, 16663	4.9	11
29	Utilizing CdSe/ZnS core/shell QDs to improve the modulation bandwidth of WLED for visible light communication **2016**,		1
28	41-3: Invited Paper: Luminescent Nanocrystals and Composites for High Quality Displays and Lighting. *Digest of Technical Papers SID International Symposium*, **2016**, 47, 556-559	0.5	6
27	63-2: Distinguished Paper: 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	0.5	6
26	P-89: Polarization Fluorescence Property Observed in the CsPbX3 Perovskites Quantum Dots. *Digest of Technical Papers SID International Symposium*, **2016**, 47, 1458-1461	0.5	1
25	Light Conversion Efficiency Enhancement of Modified Quantum Dot Films Integrated With Micro SiO2 Particles. *Journal of Display Technology*, **2016**, 12, 1152-1156		11
24	Structural optimization for remote white light-emitting diodes with quantum dots and phosphor: packaging sequence matters. *Optics Express*, **2016**, 24, A1560-A1570	3.3	42
23	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	0.5	1
22	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	0.5	1
21	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	0.5	
20	High Efficiency and Color Rendering Quantum Dots White Light Emitting Diodes Optimized by Luminescent Microspheres Incorporating. *Nanophotonics*, **2016**, 5, 565-572	6.3	26
19	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. *Chemical Engineering Journal*, **2016**, 299, 201-208	14.7	13
18	Polarized emission from CsPbX3 perovskite quantum dots. *Nanoscale*, **2016**, 8, 11565-70	7.7	98
17	Prepare core-multishell CdSe/ZnS nanocrystals with pure color and controlled emission by tri-n-octylphosphine-assisted method. *Applied Surface Science*, **2015**, 353, 480-488	6.7	10

16	Probing the mechanism of the interaction between l-cysteine-capped-CdTe quantum dots and Hg(2+) using capillary electrophoresis with ensemble techniques. *Electrophoresis*, **2015**, 36, 859-66	3.6	13
15	Advanced principal component analysis method for phase reconstruction. *Optics Express*, **2015**, 23, 12223-31	3.3	30
14	Synthesis of high-quality and efficient quantum dots with inorganic surface passivation in a modified phosphine-free method. *Materials Letters*, **2015**, 139, 98-100	3.3	11
13	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. *Digest of Technical Papers SID International Symposium*, **2015**, 46, 1465-1468	0.5	4
12	Highly Efficient and Stable Luminescence from Microbeans Integrated with Cd-Free Quantum Dots for White-Light-Emitting Diodes. *Particle and Particle Systems Characterization*, **2015**, 32, 922-927	3.1	42
11	P-89: Effects of Nano-TiO2 Particles on Conversion Efficiency of Quantum Dots Light Converting Nanocomposites. *Digest of Technical Papers SID International Symposium*, **2015**, 46, 1491-1494	0.5	5
10	Large-scale brightness enhancement film with quantum rods aligned in polymeric nanofibers for high efficiency wide color gamut LED display **2015**,		1
9	Large Stokes Shift and High Efficiency Luminescent Solar Concentrator Incorporated with CuInS2/ZnS Quantum Dots. *Scientific Reports*, **2015**, 5, 17777	4.9	108
8	12.3: Core-Shell Quantum Dots Synthesized by Using Tri-n-Octylphosphine-Assisted Method for High-Color-Saturation Displays. *Digest of Technical Papers SID International Symposium*, **2014**, 45, 138-141	0.5	6
7	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. *Chemical Communications*, **2013**, 49, 6346-8	5.8	53
6	A simplified method for synthesis of Fe3O4@PAA nanoparticles and its application for the removal of basic dyes. *Applied Surface Science*, **2012**, 258, 3897-3902	6.7	81
5	Self-templated synthesis of bifunctional Fe3O4@MgSiO3 magnetic sub-microspheres for toxic metal ions removal. *Chemical Engineering Journal*, **2012**, 180, 121-127	14.7	35
4	Aqueous synthesis of CdTe/CdSe core/shell quantum dots as pH-sensitive fluorescence probe for the determination of ascorbic acid. *Journal of Fluorescence*, **2011**, 21, 1123-9	2.4	40
3	Fabrication of Fe3O4/CdSe/SiO2 magnetic-fluorescent bifunctional nanocomposites by facile approach. *Materials Research Innovations*, **2011**, 15, 172-177	1.9	3
2	Synthesis of superparamagnetic Fe3O4 nanocrystals in reverse microemulsion at room temperature. *Materials Research Innovations*, **2010**, 14, 324-326	1.9	14
1	Luminescent perovskite nanocrystal composites via in situ ligand polymerization towards display applications. *Journal of Materials Chemistry C*,	7.1	1