Wenyu Ji

List of Publications by Year
in descending order

51	2,517	218677	189892
papers	citations	26 h-index	50 g-index

51	51	51	3237
all docs	docs citations	times ranked	citing authors

#	Article	IF	Citations
1	Polyethylenimine modified sol-gel ZnO electron-transporting layers for quantum-dot light-emitting diodes. Organic Electronics, 2022, 100, 106393.	2.6	9
2	Unravelling the bending stability of flexible quantum-dot light-emitting diodes. Flexible and Printed Electronics, 2022, 7, 015006.	2.7	4
3	Localized Excitonic Electroluminescence from Carbon Nanodots. Journal of Physical Chemistry Letters, 2022, 13, 1587-1595.	4.6	18
4	Electronic and Excitonic Processes in Quantum Dot Light-Emitting Diodes. Journal of Physical Chemistry Letters, 2022, 13, 2878-2884.	4.6	21
5	Highâ€Performance Blue Quantumâ€Dot Lightâ€Emitting Diodes by Alleviating Electron Trapping. Advanced Optical Materials, 2022, 10, .	7.3	14
6	On the accurate characterization of quantum-dot light-emitting diodes for display applications. Npj Flexible Electronics, 2022, 6, .	10.7	8
7	A review on the electroluminescence properties of quantum-dot light-emitting diodes. Organic Electronics, 2021, 90, 106086.	2.6	67
8	Temperature-dependent recombination dynamics and electroluminescence characteristics of colloidal CdSe/ZnS core/shell quantum dots. Applied Physics Letters, 2021, 119, .	3.3	10
9	Color-Tunable Alternating-Current Quantum Dot Light-Emitting Devices. ACS Applied Materials & Interfaces, 2021, 13, 45815-45821.	8.0	12
10	Near-unity blue-orange dual-emitting Mn-doped perovskite nanocrystals with metal alloying for efficient white light-emitting diodes. Journal of Colloid and Interface Science, 2021, 603, 864-873.	9.4	17
11	Research on the influence of polar solvents on CsPbBr₃ perovskite QDs. RSC Advances, 2021, 11, 27333-27337.	3.6	27
12	Unraveling the effect of shell thickness on charge injection in blue quantum-dot light-emitting diodes. Applied Physics Letters, 2021, 119, .	3.3	12
13	Degradation of quantum dot light emitting diodes, the case under a low driving level. Journal of Materials Chemistry C, 2020, 8, 2014-2018.	5.5	31
14	Highly efficient Agâ€“Inâ€“Znâ€“S quantum dot light-emitting diodes with a hole-spacing interlayer. Organic Electronics, 2020, 84, 105809.	2.6	8
15	Near-Unity Red Mn²⁺ Photoluminescence Quantum Yield of Doped CsPbCl₃ Nanocrystals with Cd Incorporation. Journal of Physical Chemistry Letters, 2020, 11, 2142-2149.	4.6	77
16	Efficient Structure for InP/ZnS-Based Electroluminescence Device by Embedding the Emitters in the Electron-Dominating Interface. Journal of Physical Chemistry Letters, 2020, 11, 1835-1839.	4.6	24
17	Suppressed efficiency roll-off in blue light-emitting diodes by balancing the spatial charge distribution. Journal of Materials Chemistry C, 2020, 8, 12927-12934.	5.5	10
18	Highly Efficient Light Emitting Diodes Based on In Situ Fabricated FAPbI 3 Nanocrystals: Solvent Effects of Onâ€Chip Crystallization. Advanced Optical Materials, 2019, 7, 1900774.	7.3	34

#	Article	IF	Citations
19	Exploring Electronic and Excitonic Processes toward Efficient Deep-Red CuInS₂/ZnS Quantum-Dot Light-Emitting Diodes. ACS Applied Materials & Interfaces, 2019, 11, 36925-36930.	8.0	21
20	Efficient CuInS₂/ZnS Quantum Dots Lightâ€Emitting Diodes in Deep Red Region Using PEIE Modified ZnO Electron Transport Layer. Physica Status Solidi - Rapid Research Letters, 2019, 13, 1800575.	2.4	24
21	Influence of Shell Thickness on the Performance of NiO-Based All-Inorganic Quantum Dot Light-Emitting Diodes. ACS Applied Materials & Interfaces, 2018, 10, 14894-14900.	8.0	30
22	Low turn-on voltage and highly bright Agâ€“Inâ€“Znâ€“S quantum dot light-emitting diodes. Journal of Materials Chemistry C, 2018, 6, 4683-4690.	5.5	28
23	Over 800% efficiency enhancement of all-inorganic quantum-dot light emitting diodes with an ultrathin alumina passivating layer. Nanoscale, 2018, 10, 11103-11109.	5.6	36
24	Highly efficient flexible quantum-dot light emitting diodes with an ITO/Ag/ITO cathode. Journal of Materials Chemistry C, 2017, 5, 4543-4548.	5.5	42
25	Electrostatic Assembly Guided Synthesis of Highly Luminescent Carbonâ€Nanodots@BaSO₄ Hybrid Phosphors with Improved Stability. Small, 2017, 13, 1602055.	10.0	118
26	Highly Controllable and Efficient Synthesis of Mixed-Halide CsPbX₃ (X = Cl, Br, I) Perovskite QDs toward the Tunability of Entire Visible Light. ACS Applied Materials & Interfaces, 2017, 9, 33020-33028.	8.0	132
27	Toward Efficient Orange Emissive Carbon Nanodots through Conjugated sp²â€Domain Controlling and Surface Charges Engineering. Advanced Materials, 2016, 28, 3516-3521.	21.0	583
28	Highly Sensitive Homogeneous Immunoassays Based on Construction of Silver Triangular Nanoplates-Quantum Dots FRET System. Scientific Reports, 2016, 6, 26534.	3.3	12
29	Dual-encryption based on facilely synthesized supra-(carbon nanodots) with water-induced enhanced luminescence. RSC Advances, 2016, 6, 79620-79624.	3.6	11
30	Yellow-Emitting Carbon Nanodots and Their Flexible and Transparent Films for White LEDs. ACS Applied Materials & Interfaces, 2016, 8, 33102-33111.	8.0	43
31	Exciton Relaxation Dynamics in Photo-Excited CsPbI3 Perovskite Nanocrystals. Scientific Reports, 2016, 6, 29442.	3.3	69
32	Ultrastable Quantum-Dot Light-Emitting Diodes by Suppression of Leakage Current and Exciton Quenching Processes. ACS Applied Materials & Interfaces, 2016, 8, 31385-31391.	8.0	119
33	Top-emitting quantum dots light-emitting devices employing microcontact printing with electricfield-independent emission. Scientific Reports, 2016, 6, 22530.	3.3	46
34	Hydroxyl-Terminated CuInS₂ Based Quantum Dots: Toward Efficient and Bright Light Emitting Diodes. Chemistry of Materials, 2016, 28, 1085-1091.	6.7	155
35	Color-tunable photoluminescence of Cu-doped Znâ€“Inâ€“Se quantum dots and their electroluminescence properties. Journal of Materials Chemistry C, 2016, 4, 581-588.	5.5	48
36	Vacuum-free transparent quantum dot light-emitting diodes with silver nanowire cathode. Scientific Reports, 2015, 5, 12499.	3.3	44

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37	Highly Efficient and Low Turn-On Voltage Quantum Dot Light-Emitting Diodes by Using a Stepwise Hole-Transport Layer. ACS Applied Materials & Interfaces, 2015, 7, 15955-15960.	8.0	76
38	Ultrafast Carrier Dynamics and Hot Electron Extraction in Tetrapod-Shaped CdSe Nanocrystals. ACS Applied Materials & Interfaces, 2015, 7, 7938-7944.	8.0	14
39	The work mechanism and sub-bandgap-voltage electroluminescence in inverted quantum dot light-emitting diodes. Scientific Reports, 2014, 4, 6974.	3.3	73
40	Efficient Quantum Dot Light-Emitting Diodes by Controlling the Carrier Accumulation and Exciton Formation. ACS Applied Materials & Interfaces, 2014, 6, 14001-14007.	8.0	68
41	Highly Luminescent Carbonâ€Nanoparticleâ€Based Materials: Factors Influencing Photoluminescence Quantum Yield. Particle and Particle Systems Characterization, 2014, 31, 1175-1182.	2.3	44
42	The nanotoxicity investigation of optical nanoparticles to cultured cells in vitro. Toxicology Reports, 2014, 1, 137-144.	3.3	30
43	Photoinduced Charge Separation and Recombination Processes in CdSe Quantum Dot and Graphene Oxide Composites with Methylene Blue as Linker. Journal of Physical Chemistry Letters, 2013, 4, 2919-2925.	4.6	13
44	High color purity ZnSe/ZnS core/shell quantum dot based blue light emitting diodes with an inverted device structure. Applied Physics Letters, 2013, 103, .	3.3	86
45	Efficient, air-stable quantum dots light-emitting devices with MoO3 modifying the anode. Journal of Luminescence, 2013, 143, 442-446.	3.1	8
46	Improving the efficiency and reducing efficiency roll-off in quantum dot light emitting devices by utilizing plasmonic Au nanoparticles. Journal of Materials Chemistry C, 2013, 1, 470-476.	5.5	33
47	Inverted CdSe/CdS/ZnS quantum dot light emitting devices with titanium dioxide as an electron-injection contact. Nanoscale, 2013, 5, 3474.	5.6	47
48	Highly efficient organic light-emitting devices by introducing traps in the hole-injection layer. RSC Advances, 2013, 3, 14616.	3.6	8
49	Cadmium-free quantum dot light emitting devices: energy-transfer realizing pure blue emission. Optics Letters, 2013, 38, 7.	3.3	13
50	Improving efficiency roll-off in phosphorescent OLEDs by modifying the exciton lifetime. Optics Letters, 2012, 37, 2019.	3.3	21
51	Efficient energy transfer from hole transporting materials to CdSe-core CdS/ZnCdS/ZnS-multishell quantum dots in type II aligned blend films. Applied Physics Letters, 2011, 99, 093106.	3.3	19