Fanglong Yuan

List of Publications by Year
in descending order

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34	6,964	218592	395590
papers	citations	26 h-index	33 g-index

36	36	36	7044
all docs	docs citations	times ranked	citing authors

#	Article	IF	Citations
1	Allâ€Inorganic Quantumâ€Dot LEDs Based on a Phaseâ€Stabilized Îâ€CsPbI 3 Perovskite. Angewandte Chemie, 2021, 133, 16300-16306.	1.6	1
2	Allâ€Inorganic Quantumâ€Dot LEDs Based on a Phaseâ€Stabilized Îâ€CsPbI₃ Perovskite. Angewandte Chemie - International Edition, 2021, 60, 16164-16170.	7.2	210
3	Quantum Dot Selfâ€Assembly Enables Lowâ€Threshold Lasing. Advanced Science, 2021, 8, e2101125.	5.6	28
4	Bright and Stable Light-Emitting Diodes Based on Perovskite Quantum Dots in Perovskite Matrix. Journal of the American Chemical Society, 2021, 143, 15606-15615.	6.6	94
5	Distribution control enables efficient reduced-dimensional perovskite LEDs. Nature, 2021, 599, 594-598.	13.7	358
6	Bright high-colour-purity deep-blue carbon dot light-emitting diodes via efficient edge amination. Nature Photonics, 2020, 14, 171-176.	15.6	303
7	Color-pure red light-emitting diodes based on two-dimensional lead-free perovskites. Science Advances, 2020, 6, .	4.7	135
8	Chelating-agent-assisted control of CsPbBr3 quantum well growth enables stable blue perovskite emitters. Nature Communications, 2020, 11, 3674.	5.8	112
9	Broad-band lead halide perovskite quantum dot single-mode lasers. Journal of Materials Chemistry C, 2020, 8, 13642-13647.	2.7	24
10	Multiple Self-Trapped Emissions in the Lead-Free Halide Cs₃Cu₂I₅. Journal of Physical Chemistry Letters, 2020, 11, 4326-4330.	2.1	79
11	Stable, Bromine-Free, Tetragonal Perovskites with 1.7 eV Bandgaps via A-Site Cation Substitution. , 2020, 2, 869-872.		18
12	Targeted tumour theranostics in mice via carbon quantum dots structurally mimicking large amino acids. Nature Biomedical Engineering, 2020, 4, 704-716.	11.6	243
13	Bipolar-shell resurfacing for blue LEDs based on strongly confined perovskite quantum dots. Nature Nanotechnology, 2020, 15, 668-674.	15.6	541
14	Chlorine Vacancy Passivation in Mixed Halide Perovskite Quantum Dots by Organic Pseudohalides Enables Efficient Rec. 2020 Blue Light-Emitting Diodes. ACS Energy Letters, 2020, 5, 793-798.	8.8	208
15	Managing grains and interfaces via ligand anchoring enables 22.3%-efficiency inverted perovskite solar cells. Nature Energy, 2020, 5, 131-140.	19.8	894
16	Red-Emissive Carbon Quantum Dots for Nuclear Drug Delivery in Cancer Stem Cells. Journal of Physical Chemistry Letters, 2020, 11, 1357-1363.	2.1	127
17	Multifunctional pâ€Type Carbon Quantum Dots: a Novel Hole Injection Layer for Highâ€Performance Perovskite Lightâ€Emitting Diodes with Significantly Enhanced Stability. Advanced Optical Materials, 2019, 7, 1901299.	3.6	52
18	Fluorescenceâ€“phosphorescence dual emissive carbon nitride quantum dots show 25% white emission efficiency enabling single-component WLEDs. Chemical Science, 2019, 10, 9801-9806.	3.7	115

#	Article	IF	Citations
19	Highly efficient and stable white LEDs based on pure red narrow bandwidth emission triangular carbon quantum dots for wide-color gamut backlight displays. Nano Research, 2019, 12, 1669-1674.	5.8	107
20	Cu(0)-RDRP as an efficient and low-cost synthetic route to blue-emissive polymers for OLEDs. Polymer Chemistry, 2019, 10, 3288-3297.	1.9	18
21	Electroluminescent Warm White Lightâ€Emitting Diodes Based on Passivation Enabled Bright Red Bandgap Emission Carbon Quantum Dots. Advanced Science, 2019, 6, 1900397.	5.6	174
22	Construction of Highâ€Quality Cu(I) Complexâ€Based WOLEDs with Dual Emissive Layers Achieved by an â€œOnâ€andâ€Offâ€•Deposition Strategy. Advanced Optical Materials, 2019, 7, 1801612.	3.6	8
23	Ultrastable and Lowâ€Threshold Random Lasing from Narrowâ€Bandwidthâ€Emission Triangular Carbon Quantum Dots. Advanced Optical Materials, 2019, 7, 1801202.	3.6	67
24	Passivation of the grain boundaries of CH₃NH₃PbI₃ using carbon quantum dots for highly efficient perovskite solar cells with excellent environmental stability. Nanoscale, 2019, 11, 115-124.	2.8	164
25	Nitrogen-Rich D-Ï€-A Structural Carbon Quantum Dots with a Bright Two-Photon Fluorescence for Deep-Tissue Imaging. ACS Applied Bio Materials, 2018, 1, 853-858.	2.3	37
26	Engineering triangular carbon quantum dots with unprecedented narrow bandwidth emission for multicolored LEDs. Nature Communications, 2018, 9, 2249.	5.8	676
27	Lightâ€Emitting Diodes: Bright Multicolor Bandgap Fluorescent Carbon Quantum Dots for Electroluminescent Lightâ€Emitting Diodes (Adv. Mater. 3/2017). Advanced Materials, 2017, 29, .	11.1	5
28	Fluorescent Graphene Quantum Dots for Bioimaging. Frontiers in Nanobiomedical Research, 2017, , 97-113.	0.1	0
29	53% Efficient Red Emissive Carbon Quantum Dots for High Color Rendering and Stable Warm Whiteâ€Lightâ€Emitting Diodes. Advanced Materials, 2017, 29, 1702910.	11.1	563
30	Bright Multicolor Bandgap Fluorescent Carbon Quantum Dots for Electroluminescent Lightâ€Emitting Diodes. Advanced Materials, 2017, 29, 1604436.	11.1	643
31	Fluorescent Graphene Quantum Dots for Bioimaging. Frontiers in Nanobiomedical Research, 2017, , 97-113.	0.1	0
32	Shining carbon dots: Synthesis and biomedical and optoelectronic applications. Nano Today, 2016, 11, 565-586.	6.2	563
33	Multicolor fluorescent graphene quantum dots colorimetrically responsive to all-pH and a wide temperature range. Nanoscale, 2015, 7, 11727-11733.	2.8	187
34	Fluorescent graphene quantum dots for biosensing and bioimaging. RSC Advances, 2015, 5, 19773-19789.	1.7	203