Ding Zhou

List of Publications by Year
in descending order

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26	2,385	361413	552781
papers	citations	20 h-index	26 g-index

27	27	27	2726
all docs	docs citations	times ranked	citing authors

#	Article	IF	Citations
1	Synthesis of carbon dots with strong luminescence in both dispersed and aggregated states by tailoring sulfur doping. Journal of Colloid and Interface Science, 2022, 609, 54-64.	9.4	24
2	Cell-based fluorescent microsphere incorporated with carbon dots as a sensitive immunosensor for the rapid detection of Escherichia coli O157 in milk. Biosensors and Bioelectronics, 2021, 179, 113057.	10.1	52
3	Microwave-assisted in situ large scale synthesis of a carbon dots@g-C₃N₄ composite phosphor for white light-emitting devices. Materials Chemistry Frontiers, 2020, 4, 517-523.	5.9	34
4	Ascorbic Acid-PEI Carbon Dots with Osteogenic Effects as miR-2861 Carriers to Effectively Enhance Bone Regeneration. ACS Applied Materials & Interfaces, 2020, 12, 50287-50302.	8.0	40
5	Carbon Dots Induce Epithelialâ€Mesenchymal Transition for Promoting Cutaneous Wound Healing via Activation of TGFâ€Î²/p38/Snail Pathway. Advanced Functional Materials, 2020, 30, 2004886.	14.9	19
6	A co-crystallization induced surface modification strategy with cyanuric acid modulates the bandgap emission of carbon dots. Nanoscale, 2020, 12, 10987-10993.	5.6	46
7	Modulating the optical and electrical properties of MAPbBr3 single crystals via voltage regulation engineering and application in memristors. Light: Science and Applications, 2020, 9, 111.	16.6	51
8	Synthesis of green emissive carbon dots@montmorillonite composites and their application for fabrication of light-emitting diodes and latent fingerprints markers. Journal of Colloid and Interface Science, 2019, 554, 344-352.	9.4	53
9	Carbon dots produced via space-confined vacuum heating: maintaining efficient luminescence in both dispersed and aggregated states. Nanoscale Horizons, 2019, 4, 388-395.	8.0	82
10	Ultraviolet-pumped white light emissive carbon dot based phosphors for light-emitting devices and visible light communication. Nanoscale, 2019, 11, 3489-3494.	5.6	61
11	Carbon-Dots-Derived 3D Highly Nitrogen-Doped Porous Carbon Framework for High-Performance Lithium Ion Storage. ACS Sustainable Chemistry and Engineering, 2019, 7, 9848-9856.	6.7	42
12	Highly Emissive Carbon Dots in Solid State and Their Applications in Light-Emitting Devices and Visible Light Communication. ACS Sustainable Chemistry and Engineering, 2019, 7, 9301-9308.	6.7	81
13	Bone formation promoted by bone morphogenetic protein-2 plasmid-loaded porous silica nanoparticles with the involvement of autophagy. Nanoscale, 2019, 11, 21953-21963.	5.6	15
14	In Vivo Tumor Photoacoustic Imaging and Photothermal Therapy Based on Supraâ€(Carbon Nanodots). Advanced Healthcare Materials, 2019, 8, e1800995.	7.6	61
15	Red carbon dots-based phosphors for white light-emitting diodes with color rendering index of 92. Journal of Colloid and Interface Science, 2018, 528, 281-288.	9.4	54
16	Dramatically Enhanced Photoluminescence from Femtosecond Laser Induced Microâ€Nanostructures on MAPbBr₃ Single Crystal Surface. Advanced Optical Materials, 2018, 6, 1800411.	7.3	14
17	Microwave-Assisted Heating Method toward Multicolor Quantum Dot-Based Phosphors with Much Improved Luminescence. ACS Applied Materials & Interfaces, 2018, 10, 27160-27170.	8.0	21
18	Preparation of quantum dots-montmorillonite nanocomposites with strong photoluminescence for light-emitting diodes. RSC Advances, 2017, 7, 7774-7779.	3.6	3

#	Article	IF	Citations
19	Conquering Aggregation-Induced Solid-State Luminescence Quenching of Carbon Dots through a Carbon Dots-Triggered Silica Gelation Process. Chemistry of Materials, 2017, 29, 1779-1787.	6.7	242
20	Origin of Anisotropic Photoluminescence in Heteroatomâ€Doped Carbon Nanodots. Advanced Optical Materials, 2017, 5, 1601049.	7.3	34
21	Preparation and application of carbon-nanodot@NaCl composite phosphors with strong green emission. Journal of Colloid and Interface Science, 2017, 497, 165-171.	9.4	47
22	Electrostatic Assembly Guided Synthesis of Highly Luminescent Carbonâ€Nanodots@BaSO₄ Hybrid Phosphors with Improved Stability. Small, 2017, 13, 1602055.	10.0	118
23	Fullâ€Color Inorganic Carbon Dot Phosphors for Whiteâ€Lightâ€Emitting Diodes. Advanced Optical Materials, 2017, 5, 1700416.	7.3	360
24	Toward Efficient Orange Emissive Carbon Nanodots through Conjugated sp²â€Domain Controlling and Surface Charges Engineering. Advanced Materials, 2016, 28, 3516-3521.	21.0	583
25	Supra-(carbon nanodots) with a strong visible to near-infrared absorption band and efficient photothermal conversion. Light: Science and Applications, 2016, 5, e16120-e16120.	16.6	237
26	Dual-encryption based on facilely synthesized supra-(carbon nanodots) with water-induced enhanced luminescence. RSC Advances, 2016, 6, 79620-79624.	3.6	11