

Ding Zhou

List of Publications by Year in descending order

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Version: 2024-02-01

26
papers

2,385
citations

361413

20
h-index

552781

26
g-index

27
all docs

27
docs citations

27
times ranked

2726
citing authors

#	ARTICLE	IF	CITATIONS
1	Toward Efficient Orange Emissive Carbon Nanodots through Conjugated sp^2 -Domain Controlling and Surface Charges Engineering. <i>Advanced Materials</i> , 2016, 28, 3516-3521.	21.0	583
2	Full-Color Inorganic Carbon Dot Phosphors for White-Light-Emitting Diodes. <i>Advanced Optical Materials</i> , 2017, 5, 1700416.	7.3	360
3	Conquering Aggregation-Induced Solid-State Luminescence Quenching of Carbon Dots through a Carbon Dots-Triggered Silica Gelation Process. <i>Chemistry of Materials</i> , 2017, 29, 1779-1787.	6.7	242
4	Supra-(carbon nanodots) with a strong visible to near-infrared absorption band and efficient photothermal conversion. <i>Light: Science and Applications</i> , 2016, 5, e16120-e16120.	16.6	237
5	Electrostatic Assembly Guided Synthesis of Highly Luminescent Carbon@Nanodots@BaSO ₄ Hybrid Phosphors with Improved Stability. <i>Small</i> , 2017, 13, 1602055.	10.0	118
6	Carbon dots produced <i>via</i> space-confined vacuum heating: maintaining efficient luminescence in both dispersed and aggregated states. <i>Nanoscale Horizons</i> , 2019, 4, 388-395.	8.0	82
7	Highly Emissive Carbon Dots in Solid State and Their Applications in Light-Emitting Devices and Visible Light Communication. <i>ACS Sustainable Chemistry and Engineering</i> , 2019, 7, 9301-9308.	6.7	81
8	Ultraviolet-pumped white light emissive carbon dot based phosphors for light-emitting devices and visible light communication. <i>Nanoscale</i> , 2019, 11, 3489-3494.	5.6	61
9	In Vivo Tumor Photoacoustic Imaging and Photothermal Therapy Based on Supra-(Carbon Nanodots). <i>Advanced Healthcare Materials</i> , 2019, 8, e1800995.	7.6	61
10	Red carbon dots-based phosphors for white light-emitting diodes with color rendering index of 92. <i>Journal of Colloid and Interface Science</i> , 2018, 528, 281-288.	9.4	54
11	Synthesis of green emissive carbon dots@montmorillonite composites and their application for fabrication of light-emitting diodes and latent fingerprints markers. <i>Journal of Colloid and Interface Science</i> , 2019, 554, 344-352.	9.4	53
12	Cell-based fluorescent microsphere incorporated with carbon dots as a sensitive immunosensor for the rapid detection of Escherichia coli O157 in milk. <i>Biosensors and Bioelectronics</i> , 2021, 179, 113057.	10.1	52
13	Modulating the optical and electrical properties of MAPbBr ₃ single crystals via voltage regulation engineering and application in memristors. <i>Light: Science and Applications</i> , 2020, 9, 111.	16.6	51
14	Preparation and application of carbon-nanodot@NaCl composite phosphors with strong green emission. <i>Journal of Colloid and Interface Science</i> , 2017, 497, 165-171.	9.4	47
15	A co-crystallization induced surface modification strategy with cyanuric acid modulates the bandgap emission of carbon dots. <i>Nanoscale</i> , 2020, 12, 10987-10993.	5.6	46
16	Carbon-Dots-Derived 3D Highly Nitrogen-Doped Porous Carbon Framework for High-Performance Lithium Ion Storage. <i>ACS Sustainable Chemistry and Engineering</i> , 2019, 7, 9848-9856.	6.7	42
17	Ascorbic Acid-PEI Carbon Dots with Osteogenic Effects as miR-2861 Carriers to Effectively Enhance Bone Regeneration. <i>ACS Applied Materials & Interfaces</i> , 2020, 12, 50287-50302.	8.0	40
18	Origin of Anisotropic Photoluminescence in Heteroatom-Doped Carbon Nanodots. <i>Advanced Optical Materials</i> , 2017, 5, 1601049.	7.3	34

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19	Microwave-assisted <i>in situ</i> large scale synthesis of a carbon dots@g-C ₃ N ₄ composite phosphor for white light-emitting devices. <i>Materials Chemistry Frontiers</i> , 2020, 4, 517-523.	5.9	34
20	Synthesis of carbon dots with strong luminescence in both dispersed and aggregated states by tailoring sulfur doping. <i>Journal of Colloid and Interface Science</i> , 2022, 609, 54-64.	9.4	24
21	Microwave-Assisted Heating Method toward Multicolor Quantum Dot-Based Phosphors with Much Improved Luminescence. <i>ACS Applied Materials & Interfaces</i> , 2018, 10, 27160-27170.	8.0	21
22	Carbon Dots Induce Epithelial-Mesenchymal Transition for Promoting Cutaneous Wound Healing via Activation of TGF- β 2/p38/Snail Pathway. <i>Advanced Functional Materials</i> , 2020, 30, 2004886.	14.9	19
23	Bone formation promoted by bone morphogenetic protein-2 plasmid-loaded porous silica nanoparticles with the involvement of autophagy. <i>Nanoscale</i> , 2019, 11, 21953-21963.	5.6	15
24	Dramatically Enhanced Photoluminescence from Femtosecond Laser Induced Micro-Nanostructures on MAPbBr ₃ Single Crystal Surface. <i>Advanced Optical Materials</i> , 2018, 6, 1800411.	7.3	14
25	Dual-encryption based on facily synthesized supra-(carbon nanodots) with water-induced enhanced luminescence. <i>RSC Advances</i> , 2016, 6, 79620-79624.	3.6	11
26	Preparation of quantum dots-montmorillonite nanocomposites with strong photoluminescence for light-emitting diodes. <i>RSC Advances</i> , 2017, 7, 7774-7779.	3.6	3