

Synthesis of Carbon Dots with Multiple Color Emission Surface Functionalization

Advanced Materials

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Citation Report

#	ARTICLE	IF	CITATIONS
2	Egg yolk-derived carbon: Achieving excellent fluorescent carbon dots and high performance lithium-ion batteries. <i>Journal of Alloys and Compounds</i> , 2018, 746, 567-575.	2.8	42
3	Highly Efficient Carbon Dots with Reversibly Switchable Green-Red Emissions for Trichromatic White Light-Emitting Diodes. <i>ACS Applied Materials & Interfaces</i> , 2018, 10, 16005-16014.	4.0	147
4	Highly photoluminescent carbon dots derived from linseed and their applications in cellular imaging and sensing. <i>Journal of Materials Chemistry B</i> , 2018, 6, 3181-3187.	2.9	54
5	Carbon Dots: Bottom-Up Syntheses, Properties, and Light-Harvesting Applications. <i>Chemistry - an Asian Journal</i> , 2018, 13, 586-598.	1.7	101
6	Solvent-Controlled Synthesis of Highly Luminescent Carbon Dots with a Wide Color Gamut and Narrowed Emission Peak Widths. <i>Small</i> , 2018, 14, e1800612.	5.2	449
7	Hollow carbon dots labeled with FITC or TRITC for use in fluorescent cellular imaging. <i>Mikrochimica Acta</i> , 2018, 185, 223.	2.5	15
8	Fluorescence Retention of Organosilane-polymerized Carbon Dots Inverse Opals in CuCl Suspension. <i>Chinese Journal of Polymer Science (English Edition)</i> , 2018, 36, 555-562.	2.0	4
9	Biomimetic colloidal photonic crystals by coassembly of polystyrene nanoparticles and graphene quantum dots. <i>RSC Advances</i> , 2018, 8, 34839-34847.	1.7	16
10	Sludge degradation and microbial community structures analysis in a microbial electrolysis cell-coupled up flow anaerobic blanket reactor with an ultrasound treatment system. <i>RSC Advances</i> , 2018, 8, 42032-42040.	1.7	3
11	Surface state-controlled C-dot/C-dot based dual-emission fluorescent nanothermometers for intra-cellular thermometry. <i>Nanoscale</i> , 2018, 10, 21809-21817.	2.8	31
12	Solid-State Carbon Dots with Efficient Cyan Emission towards White Light-Emitting Diodes. <i>Chemistry - an Asian Journal</i> , 2018, 14, 286-292.	1.7	16
13	Carbon Nanodots for Enhancing the Stress Resistance of Peanut Plants. <i>ACS Omega</i> , 2018, 3, 17770-17777.	1.6	44
14	Tuning Carbon Dots™ Optoelectronic Properties with Polymers. <i>Polymers</i> , 2018, 10, 1312.	2.0	19
15	Highly Green Emissive Nitrogen-Doped Carbon Dots with Excellent Thermal Stability for Bioimaging and Solid-State LED. <i>Inorganic Chemistry</i> , 2018, 57, 15229-15239.	1.9	65
16	Inorganic Salt Incorporated Solvothermal Synthesis of Multicolor Carbon Dots, Emission Mechanism, and Antibacterial Study. <i>ACS Applied Nano Materials</i> , 2018, 1, 6131-6138.	2.4	61
17	Photoluminescent Composites of Lanthanide-Based Nanocrystal-Functionalized Cellulose Fibers for Anticounterfeiting Applications. <i>ACS Sustainable Chemistry and Engineering</i> , 2018, 6, 13960-13967.	3.2	45
18	Two-dimensional quantum dots: Fundamentals, photoluminescence mechanism and their energy and environmental applications. <i>Materials Today Energy</i> , 2018, 10, 222-240.	2.5	87
19	Circularly Polarized Luminescent Carbon Dot Nanomaterials of Helical Superstructures for Circularly Polarized Light Detection. <i>Advanced Optical Materials</i> , 2018, 6, 1801246.	3.6	105

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20	Langmuirâ€“Blodgett self-assembly of ultrathin graphene quantum dot films with modulated optical properties. <i>Nanoscale</i> , 2018, 10, 19612-19620.	2.8	23
21	Two-dimensional nanomaterial based sensors for heavy metal ions. <i>Mikrochimica Acta</i> , 2018, 185, 478.	2.5	48
22	Recognition of Latent Fingerprints and Ink-Free Printing Derived from Interfacial Segregation of Carbon Dots. <i>ACS Applied Materials & Interfaces</i> , 2018, 10, 39205-39213.	4.0	51
23	Exploration of the synthesis of three types of multicolor carbon dot originating from isomers. <i>Chemical Communications</i> , 2018, 54, 11312-11315.	2.2	42
24	Greener Luminescent Solar Concentrators with High Loading Contents Based on in Situ Cross-Linked Carbon Nanodots for Enhancing Solar Energy Harvesting and Resisting Concentration-Induced Quenching. <i>ACS Applied Materials & Interfaces</i> , 2018, 10, 34184-34192.	4.0	58
25	Polymethyldopa Nanoparticles-Based Fluorescent Sensor for Detection of Tyrosinase Activity. <i>ACS Sensors</i> , 2018, 3, 1855-1862.	4.0	48
26	The synthesis of green fluorescent carbon dots for warm white LEDs. <i>RSC Advances</i> , 2018, 8, 19585-19595.	1.7	37
27	Carbon dots as fluorescent probes for detection of VB₁₂ based on the inner filter effect. <i>RSC Advances</i> , 2018, 8, 19786-19790.	1.7	33
28	Carbon dot-based white and yellow electroluminescent light emitting diodes with a record-breaking brightness. <i>Nanoscale</i> , 2018, 10, 11211-11221.	2.8	67
29	Formation and origin of multicenter photoluminescence in zeolite-based carbogenic nanodots. <i>Nanoscale</i> , 2018, 10, 10650-10656.	2.8	18
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32	Unique physicochemical properties of two-dimensional light absorbers facilitating photocatalysis. <i>Chemical Society Reviews</i> , 2018, 47, 6410-6444.	18.7	178
33	Selfâ€“Protective Roomâ€“Temperature Phosphorescence of Fluorine and Nitrogen Codoped Carbon Dots. <i>Advanced Functional Materials</i> , 2018, 28, 1800791.	7.8	290
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35	Highly efficient carbon dots and their nanohybrids for trichromatic white LEDs. <i>Journal of Materials Chemistry C</i> , 2018, 6, 5957-5963.	2.7	34
36	Conversion of Carbon Dots from Fluorescence to Ultralong Roomâ€“Temperature Phosphorescence by Heating for Security Applications. <i>Advanced Materials</i> , 2018, 30, e1800783.	11.1	435
37	Precisely Controlled Up/Downâ€“Conversion Liquid and Solid State Photoluminescence of Carbon Dots. <i>Advanced Optical Materials</i> , 2018, 6, 1800115.	3.6	79

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39	Hydrothermal Addition Polymerization for Ultrahigh Yield Carbonized Polymer Dots with Room Temperature Phosphorescence via Nanocomposite. <i>Chemistry - A European Journal</i> , 2018, 24, 11303-11308.	1.7	117
40	Malic Acid Carbon Dots: From Super-resolution Live-Cell Imaging to Highly Efficient Separation. <i>ACS Nano</i> , 2018, 12, 5741-5752.	7.3	135
41	Transparent Wood Film Incorporating Carbon Dots as Encapsulating Material for White Light-Emitting Diodes. <i>ACS Sustainable Chemistry and Engineering</i> , 2018, 6, 9314-9323.	3.2	67
42	Reversible "Off-On" Fluorescence of Zn ²⁺ -Passivated Carbon Dots: Mechanism and Potential for the Detection of EDTA and Zn ²⁺ . <i>Langmuir</i> , 2018, 34, 7767-7775.	1.6	69
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48	A simple method for the preparation of multi-color carbon quantum dots by using reversible regulatory color transformation. <i>Mikrochimica Acta</i> , 2019, 186, 612.	2.5	10
49	N-doped Cd dot embedded fluorescent and thermo-responsive p(NIPAAm) microgel composites. <i>Polymer Composites</i> , 2019, 40, 3895-3903.	2.3	3
50	Carbonized Polymer Dots: A Brand New Perspective to Recognize Luminescent Carbon-Based Nanomaterials. <i>Journal of Physical Chemistry Letters</i> , 2019, 10, 5182-5188.	2.1	197
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53	Carbon nanotubes, graphene, porous carbon, and hybrid carbon-based materials: synthesis, properties, and functionalization for efficient energy storage. , 2019, , 1-24.		7
54	Synthesis of poly(ionic liquid)s brush-grafted carbon dots for high-performance lubricant additives of polyethylene glycol. <i>Carbon</i> , 2019, 154, 301-312.	5.4	63
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57	Sustainable Synthesis of Bright Green Fluorescent Nitrogen-Doped Carbon Quantum Dots from Alkali Lignin. <i>ChemSusChem</i> , 2019, 12, 4202-4210.	3.6	92
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81	Carbon Dots Exhibiting Concentration-Dependent Full-Visible-Spectrum Emission for Light-Emitting Diode Applications. <i>ACS Applied Materials & Interfaces</i> , 2019, 11, 46054-46061.	4.0	61
82	Ultrasonic-assisted melt blending for polyvinyl alcohol/carbon dots luminescent flexible films. <i>AIP Conference Proceedings</i> , 2019, , .	0.3	2
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129	Hydrophobic carbon dots with blue dispersed emission and red aggregation-induced emission. <i>Nature Communications</i> , 2019, 10, 1789.	5.8	419
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141	Ag _x H _{3x} PMo ₁₂ O ₄₀ /Ag nanorods/g-C ₃ N ₄ 1D/2D Z-scheme heterojunction for highly efficient visible-light photocatalysis. <i>Dalton Transactions</i> , 2019, 48, 6484-6491.	1.6	32
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143	Highly fluorescent near-infrared emitting carbon dots derived from lemon juice and its bioimaging application. <i>Journal of Luminescence</i> , 2019, 211, 298-304.	1.5	82
144	3D Heteroatom-Doped Carbon Nanomaterials as Multifunctional Metal-Free Catalysts for Integrated Energy Devices. <i>Advanced Materials</i> , 2019, 31, e1805598.	11.1	194
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