

Carbon quantum dots and their applications

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Citation Report

#	ARTICLE	IF	CITATIONS
4	Single Particle Dynamic Imaging and Fe ³⁺ Sensing with Bright Carbon Dots Derived from Bovine Serum Albumin Proteins. <i>Scientific Reports</i> , 2015, 5, 17727.	1.6	78
5	Fluorescence "on-off" Responses of BSA-Cu System Towards Hydrogen Peroxide and L-Cysteine and Their Analysis Applications. <i>Chinese Journal of Analytical Chemistry</i> , 2015, 43, 1820-1828.	0.9	7
6	Single Nanoparticle Mass Spectrometry as a High Temperature Kinetics Tool: Sublimation, Oxidation, and Emission Spectra of Hot Carbon Nanoparticles. <i>Journal of Physical Chemistry A</i> , 2015, 119, 12538-12550.	1.1	13
7	Carbon Quantum Dots and Their Derivative 3D Porous Carbon Frameworks for Sodium-Ion Batteries with Ultralong Cycle Life. <i>Advanced Materials</i> , 2015, 27, 7861-7866.	11.1	1,055
8	Multifunctional Nitrogen-Doped Carbon Nanodots for Photoluminescence, Sensor, and Visible-Light-Induced H ₂ Production. <i>ChemPhysChem</i> , 2015, 16, 3058-3063.	1.0	28
9	Tunable Luminescent Carbon Nanospheres with Well-Defined Nanoscale Chemistry for Synchronized Imaging and Therapy. <i>Small</i> , 2015, 11, 4691-4703.	5.2	51
10	Synthesis and Confinement of Carbon Dots in Lysozyme Single Crystals Produces Ordered Hybrid Materials with Tuneable Luminescence. <i>Chemistry - A European Journal</i> , 2015, 21, 9008-9013.	1.7	15
11	Large Scale Synthesis of Highly Stable Fluorescent Carbon Dots Using Silica Spheres as Carriers for Targeted Bioimaging of Cancer Cells. <i>Particle and Particle Systems Characterization</i> , 2015, 32, 944-951.	1.2	20
12	Functionalization of Carbonaceous Nanodots from Mn ^{II} -Coordinating Functional Knots. <i>Chemistry - A European Journal</i> , 2015, 21, 14843-14850.	1.7	50
13	Truly Fluorescent Excitation-Dependent Carbon Dots and Their Applications in Multicolor Cellular Imaging and Multidimensional Sensing. <i>Advanced Materials</i> , 2015, 27, 7782-7787.	11.1	591
14	Nanoparticle-Based and Bioengineered Probes and Sensors to Detect Physiological and Pathological Biomarkers in Neural Cells. <i>Frontiers in Neuroscience</i> , 2015, 9, 480.	1.4	30
15	Nanoarchitectonics: a new materials horizon for nanotechnology. <i>Materials Horizons</i> , 2015, 2, 406-413.	6.4	270
16	Phenylboronic acid-modified magnetic nanoparticles as a platform for carbon dot conjugation and doxorubicin delivery. <i>Journal of Materials Chemistry B</i> , 2015, 3, 5532-5543.	2.9	29
17	Facile access to B-doped solid-state fluorescent carbon dots toward light emitting devices and cell imaging agents. <i>Journal of Materials Chemistry C</i> , 2015, 3, 6668-6675.	2.7	109
18	Highly Photoluminescent Carbon Dots Derived from Egg White: Facile and Green Synthesis, Photoluminescence Properties, and Multiple Applications. <i>ACS Sustainable Chemistry and Engineering</i> , 2015, 3, 1412-1418.	3.2	153
19	The synergistic role of carbon quantum dots for the improved photocatalytic performance of Bi ₂ MoO ₆ . <i>Nanoscale</i> , 2015, 7, 11433-11443.	2.8	306
20	Nanodiamonds and silicon quantum dots: ultrastable and biocompatible luminescent nanoprobes for long-term bioimaging. <i>Chemical Society Reviews</i> , 2015, 44, 4853-4921.	18.7	231
21	A high performance electrochemical biosensor based on Cu ₂ O "carbon dots for selective and sensitive determination of dopamine in human serum. <i>RSC Advances</i> , 2015, 5, 54102-54108.	1.7	68

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23	The carbonization of polyethyleneimine: facile fabrication of N-doped graphene oxide and graphene quantum dots. <i>RSC Advances</i> , 2015, 5, 105855-105861.	1.7	23
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1356	One-step synthesized fluorescent nitrogen doped carbon dots from thymidine for Cr (VI) detection in water. <i>Spectrochimica Acta - Part A: Molecular and Biomolecular Spectroscopy</i> , 2019, 222, 117165.	2.0	45
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1783	Photoactivated Fluorescence Enhancement in F,N-Doped Carbon Dots with Piezochromic Behavior. <i>Angewandte Chemie</i> , 2020, 132, 10072-10077.	1.6	27
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