

Jian-Cheng Jin

List of Publications by Year in descending order

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Version: 2024-02-01

17
papers

734
citations

623734

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888059

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docs citations

17
times ranked

1326
citing authors

#	ARTICLE	IF	CITATIONS
1	One-step synthesis of silver nanoparticles using carbon dots as reducing and stabilizing agents and their antibacterial mechanisms. <i>Carbon</i> , 2015, 94, 129-141.	10.3	112
2	Interactions between carbon nanodots with human serum albumin and \hat{I}^3 -globulins: The effects on the transportation function. <i>Journal of Hazardous Materials</i> , 2016, 301, 242-249.	12.4	105
3	Single-step synthesis of highly photoluminescent carbon dots for rapid detection of Hg ²⁺ with excellent sensitivity. <i>Journal of Colloid and Interface Science</i> , 2019, 551, 101-110.	9.4	93
4	Highly Photoluminescent Nitrogen-Doped Carbon Nanodots and Their Protective Effects against Oxidative Stress on Cells. <i>ACS Applied Materials & Interfaces</i> , 2015, 7, 28346-28352.	8.0	81
5	Ultrasmall silver nanoclusters: Highly efficient antibacterial activity and their mechanisms. <i>Biomaterials Science</i> , 2017, 5, 247-257.	5.4	73
6	Necrotic cell death induced by the protein-mediated intercellular uptake of CdTe quantum dots. <i>Chemosphere</i> , 2015, 135, 240-249.	8.2	46
7	Mitochondrial dysfunction induced by ultra-small silver nanoclusters with a distinct toxic mechanism. <i>Journal of Hazardous Materials</i> , 2016, 308, 139-148.	12.4	36
8	Mitochondrial dysfunction induced by different concentrations of gadolinium ion. <i>Chemosphere</i> , 2014, 100, 194-199.	8.2	35
9	Mechanistic studies on the reversible photophysical properties of carbon nanodots at different pH. <i>Colloids and Surfaces B: Biointerfaces</i> , 2015, 130, 207-214.	5.0	29
10	The interactions between CdSe quantum dots and yeast <i>Saccharomyces cerevisiae</i> : Adhesion of quantum dots to the cell surface and the protection effect of ZnS shell. <i>Chemosphere</i> , 2014, 112, 92-99.	8.2	27
11	Mechanistic studies on the antibacterial behavior of Ag nanoparticles decorated with carbon dots having different oxidation degrees. <i>Environmental Science: Nano</i> , 2019, 6, 1168-1179.	4.3	27
12	N,S-Codoped Carbon Dots with Red Fluorescence and Their Cellular Imaging. <i>ACS Applied Bio Materials</i> , 2021, 4, 4973-4981.	4.6	18
13	Molecular Mechanisms of the Ultra-Strong Inhibition Effect of Oxidized Carbon Dots on Human Insulin Fibrillation. <i>ACS Applied Bio Materials</i> , 2020, 3, 217-226.	4.6	17
14	Carbon dots reduced and stabilized silver nanoclusters: synthesis and formation mechanisms. <i>RSC Advances</i> , 2016, 6, 76989-76995.	3.6	16
15	Morphology effect of polythiophene catalysts on photo-degradation of methylene blue. <i>RSC Advances</i> , 2016, 6, 74968-74972.	3.6	10
16	Mitochondrial toxicity induced by a thiourea gold(i) complex: mitochondrial permeability transition and respiratory deficit. <i>Toxicology Research</i> , 2018, 7, 1081-1090.	2.1	7
17	Fluorescent protein nanoparticles: Synthesis and recognition of cellular oxidation damage. <i>Colloids and Surfaces B: Biointerfaces</i> , 2019, 177, 219-227.	5.0	2