

Hong Bi

List of Publications by Year in descending order

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72
papers

3,116
citations

218381

26
h-index

161609

54
g-index

74
all docs

74
docs citations

74
times ranked

4014
citing authors

#	ARTICLE	IF	CITATIONS
1	Green synthesis of nitrogen-doped carbon dots from konjac flour with $\lambda_{\text{exc}}/\lambda_{\text{em}}$ fluorescence by Fe ³⁺ and L-lysine for bioimaging. <i>Journal of Materials Chemistry B</i> , 2014, 2, 4631.	2.9	248
2	Recent Advances in Synthesis, Optical Properties, and Biomedical Applications of Carbon Dots. <i>ACS Applied Bio Materials</i> , 2019, 2, 2317-2338.	2.3	226
3	Design and preparation of a ternary composite of graphene oxide/carbon dots/polypyrrole for supercapacitor application: Importance and unique role of carbon dots. <i>Carbon</i> , 2017, 115, 134-146.	5.4	211
4	Enhanced microwave absorption property of bowl-like Fe ₃ O ₄ hollow spheres/reduced graphene oxide composites. <i>Journal of Applied Physics</i> , 2012, 111, .	1.1	188
5	UV-Vis-NIR Full-Range Responsive Carbon Dots with Large Multiphoton Absorption Cross Sections and Deep-Red Fluorescence at Nucleoli and In Vivo. <i>Small</i> , 2020, 16, e2000680.	5.2	143
6	Starfish-like C/CoNiO ₂ heterostructure derived from ZIF-67 with tunable microwave absorption properties. <i>Chemical Engineering Journal</i> , 2019, 373, 122-130.	6.6	139
7	Photoactivated Fluorescence Enhancement in F,N-Doped Carbon Dots with Piezochromic Behavior. <i>Angewandte Chemie - International Edition</i> , 2020, 59, 9986-9991.	7.2	139
8	Hybrid NiO/CuO mesoporous nanowire array with abundant oxygen vacancies and a hollow structure as a high-performance asymmetric supercapacitor. <i>Journal of Materials Chemistry A</i> , 2018, 6, 21131-21142.	5.2	132
9	Cytotoxicity and cellular uptake of iron nanowires. <i>Biomaterials</i> , 2010, 31, 1509-1517.	5.7	129
10	Mitochondria-Targeting Nanoplatform with Fluorescent Carbon Dots for Long Time Imaging and Magnetic Field-Enhanced Cellular Uptake. <i>ACS Applied Materials & Interfaces</i> , 2015, 7, 10201-10212.	4.0	93
11	Trackable Mitochondria-Targeting Nanomicellar Loaded with Doxorubicin for Overcoming Drug Resistance. <i>ACS Applied Materials & Interfaces</i> , 2017, 9, 25152-25163.	4.0	87
12	Copper-Doped Carbon Dots for Optical Bioimaging and Photodynamic Therapy. <i>Inorganic Chemistry</i> , 2019, 58, 13394-13402.	1.9	87
13	Electrochemical sensor based on F,N-doped carbon dots decorated laccase for detection of catechol. <i>Journal of Electroanalytical Chemistry</i> , 2019, 840, 84-92.	1.9	74
14	Fluorine-containing graphene quantum dots with a high singlet oxygen generation applied for photodynamic therapy. <i>Journal of Materials Chemistry B</i> , 2020, 8, 2598-2606.	2.9	68
15	Heterostructured TiO ₂ /C/Co from ZIF-67 Frameworks for Microwave-Absorbing Nanomaterials. <i>ACS Applied Nano Materials</i> , 2019, 2, 4451-4461.	2.4	61
16	Carbonized zeolitic imidazolate framework-67/polypyrrole: A magnetic-dielectric interface for enhanced microwave absorption properties. <i>Journal of Colloid and Interface Science</i> , 2020, 574, 87-96.	5.0	46
17	Rational Synthesis of Solid-State Ultraviolet B Emitting Carbon Dots via Acetic Acid-Promoted Fractions of sp ³ Bonding Strategy. <i>Advanced Materials</i> , 2022, 34, e2200011.	11.1	46
18	Nickel nanowires induce cell cycle arrest and apoptosis by generation of reactive oxygen species in HeLa cells. <i>Toxicology Reports</i> , 2014, 1, 114-121.	1.6	45

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19	F,N-Doped carbon dots as efficient Type I photosensitizers for photodynamic therapy. Dalton Transactions, 2022, 51, 2296-2303.	1.6	43
20	Enhanced interfacial polarization relaxation effect on microwave absorption properties of submicron-sized hollow Fe ₃ O ₄ hemispheres. Journal Physics D: Applied Physics, 2014, 47, 275001.	1.3	39
21	Preparation of Bi ₂ S ₃ /carbon quantum dot hybrid materials with enhanced photocatalytic properties under ultraviolet-, visible- and near infrared-irradiation. Nanoscale, 2017, 9, 15873-15882.	2.8	39
22	Uniform core-shell PPy@carbon microsphere composites with a tunable shell thickness: the synthesis and their excellent microwave absorption performances in the X-band. RSC Advances, 2017, 7, 53104-53110.	1.7	39
23	Fluorine and Nitrogen Co-Doped Carbon Dot Complexation with Fe(III) as a Contrast Agent for Magnetic Resonance Imaging. ACS Applied Materials & Interfaces, 2019, 11, 18203-18212.	4.0	39
24	A Reloadable Self-Healing Hydrogel Enabling Diffusive Transport of Carbon Dots Across Gel-Gel Interface for Scavenging Reactive Oxygen Species. Advanced Healthcare Materials, 2017, 6, 1700746.	3.9	35
25	Hollow-spherical composites of Polyaniline/Cobalt Sulfide/Carbon nanodots with enhanced magnetocapacitance and electromagnetic wave absorption capabilities. Applied Surface Science, 2016, 378, 49-56.	3.1	32
26	Fluorinated carbon dots/carboxyl methyl cellulose sodium composite with a temperature-sensitive fluorescence/phosphorescence applicable for anti-counterfeiting marking. Carbon, 2022, 189, 459-466.	5.4	31
27	Hybrid Supercapacitors Based on Interwoven CoNiZnO Nanowires and Porous Graphene Hydrogel Electrodes with Safe Aqueous Electrolyte for High Supercapacitance. Advanced Electronic Materials, 2019, 5, 1900397.	2.6	30
28	Understanding the Capsanthin Tails in Regulating the Hydrophilic-Lipophilic Balance of Carbon Dots for a Rapid Crossing Cell Membrane. Langmuir, 2017, 33, 10259-10270.	1.6	27
29	Synthesis of composite of ZnO spheres with polyaniline and their microwave absorption properties. Journal of Saudi Chemical Society, 2019, 23, 385-391.	2.4	27
30	Photoactivated Fluorescence Enhancement in F,N-Doped Carbon Dots with Piezochromic Behavior. Angewandte Chemie, 2020, 132, 10072-10077.	1.6	27
31	Synthesis of graphene/nickel oxide composite with improved electrochemical performance in capacitors. Ionics, 2013, 19, 1883-1889.	1.2	26
32	Fluorine-defects induced solid-state red emission of carbon dots with an excellent thermosensitivity. Chinese Chemical Letters, 2021, 32, 3646-3651.	4.8	25
33	Single-Atom Gadolinium Anchored on Graphene Quantum Dots as a Magnetic Resonance Signal Amplifier. ACS Applied Bio Materials, 2021, 4, 2798-2809.	2.3	24
34	Photodynamic Anti-Bacteria by Carbon Dots and Their Nano-Composites. Pharmaceuticals, 2022, 15, 487.	1.7	24
35	Room-temperature Magnetism in Carbon Dots and Enhanced Ferromagnetism in Carbon Dots-Polyaniline Nanocomposite. Scientific Reports, 2017, 7, 2165.	1.6	23
36	Expanding the Limits of Photodynamic Therapy: The Design of Organelles and Hypoxia-Targeting Nanomaterials for Enhanced Photokilling of Cancer. ACS Applied Bio Materials, 2021, 4, 195-228.	2.3	23

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37	Hybrid MoS ₂ @PANI materials for high-performance supercapacitor electrode. <i>Ionics</i> , 2021, 27, 4083-4096.	1.2	22
38	Fluorescent carbon dots with excellent moisture retention capability for moisturizing lipstick. <i>Journal of Nanobiotechnology</i> , 2021, 19, 299.	4.2	22
39	Inhibition of oxidative stress in vivo through enzyme-like activity of carbon dots. <i>Applied Materials Today</i> , 2021, 25, 101178.	2.3	22
40	Morphology-dependent electrochemical performance of nitrogen-doped carbon dots@polyaniline hybrids for supercapacitors. <i>International Journal of Energy Research</i> , 2019, 43, 7529.	2.2	20
41	Synthesis of Sn nanocluster@carbon dots for photodynamic therapy application. <i>Chinese Chemical Letters</i> , 2021, 32, 2287-2291.	4.8	20
42	Multifunctional nanotube-like Fe ₃ O ₄ /PANI/CDs/Ag hybrids: An efficient SERS substrate and nanocatalyst. <i>Materials Science and Engineering C</i> , 2016, 58, 568-575.	3.8	18
43	Sn ⁴⁺ complexation with sulfonated-carbon dots in pursuit of enhanced fluorescence and singlet oxygen quantum yield. <i>Dalton Transactions</i> , 2020, 49, 6950-6956.	1.6	16
44	Single-Atom Manganese Anchored on Carbon Dots for Promoting Mitochondrial Targeting and Photodynamic Effect in Cancer Treatment. <i>ACS Applied Nano Materials</i> , 2022, 5, 6679-6690.	2.4	16
45	High microwave permittivity and resonance-antiresonance electromagnetic behaviors of flake-shaped cobalt microcrystals. <i>Materials Chemistry and Physics</i> , 2015, 159, 173-177.	2.0	15
46	Highly Hydrophilic Carbon Dots' Decoration on NiCo ₂ O ₄ Nanowires for Greatly Increased Electric Conductivity, Supercapacitance, and Energy Density. <i>Advanced Materials Interfaces</i> , 2019, 6, 1900049.	1.9	14
47	Preparation and Microwave Absorption Properties of Fe ₃ O ₄ Hollow Microspheres. <i>Ferroelectrics</i> , 2012, 435, 98-103.	0.3	13
48	Carbon nanodots-catalyzed free radical polymerization of water-soluble vinyl monomers. <i>RSC Advances</i> , 2016, 6, 38470-38474.	1.7	13
49	Dynamic Thermosensitive Solid-State Photoluminescent Carbonized Polymer Dots as Temperature-Responsive Switches for Sensor Applications. <i>ACS Applied Nano Materials</i> , 2020, 3, 10560-10564.	2.4	13
50	Ammonium nitrate is a risk for environment: A case study of Beirut (Lebanon) chemical explosion and the effects on environment. <i>Ecotoxicology and Environmental Safety</i> , 2021, 210, 111834.	2.9	12
51	Type-I Collagen/Collagenase Modulates the 3D Structure and Behavior of Glioblastoma Spheroid Models. <i>ACS Applied Bio Materials</i> , 2022, 5, 723-733.	2.3	12
52	Novel one-dimensional polyaniline/Ni _{0.5} Zn _{0.5} Fe ₂ O ₄ hybrid nanostructure: synthesis, magnetic, and electromagnetic wave absorption properties. <i>Journal of Nanoparticle Research</i> , 2014, 16, 1.	0.8	11
53	Multifunctional copolymer coating of polyethylene glycol, glycidyl methacrylate, and REDV to enhance the selectivity of endothelial cells. <i>Journal of Biomaterials Science, Polymer Edition</i> , 2015, 26, 1357-1371.	1.9	11
54	Cu ²⁺ -Complex of hydrophilic nitrogen-rich polymer dots applied as a new MRI contrast agent. <i>Biomaterials Science</i> , 2017, 5, 2319-2327.	2.6	11

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55	One-pot synthesis of CoO@ZnO/rGO supported on Ni foam for high-performance hybrid supercapacitor with greatly enhanced cycling stability. <i>Chinese Chemical Letters</i> , 2021, 32, 2027-2032.	4.8	11
56	Fabrication of Fe@mSiO ₂ nanowires with large remanence and low cytotoxicity for targeted drug delivery. <i>Journal of Applied Physics</i> , 2012, 111, .	1.1	10
57	Fluorescent carbon dots from <i>Shewanella oneidensis</i> MR-1 for Hg ²⁺ and tetracycline detection and selective fluorescence imaging of Gram-positive bacteria. <i>Journal of Environmental Chemical Engineering</i> , 2022, 10, 107020.	3.3	10
58	Fluorescent CDs@PCL hybrids via tartaric acid, CDs-cocatalyzed polymerization. <i>Materials Science and Engineering C</i> , 2017, 79, 76-83.	3.8	9
59	Atomic-level localization of π -electrons in defect engineered tri-s-triazine units for increased photocatalytic hydrogen generation of polymeric carbon nitride. <i>Catalysis Science and Technology</i> , 2021, 11, 5663-5670.	2.1	9
60	Facile synthesis and magnetic property of iron oxide/MCM-41 mesoporous silica nanospheres for targeted drug delivery. <i>Journal of Applied Physics</i> , 2012, 111, .	1.1	8
61	One pot synthesis of a highly water-dispersible hybrid glucose carbides and reduced graphene oxide material with superior electrical capacitance. <i>Journal of Materials Science</i> , 2013, 48, 8277-8286.	1.7	8
62	Decrease in the Particle Size and Coercivity of Self-Assembled CoNi Nanoparticles Synthesized Under a Repulsive Magnetic Field. <i>Particle and Particle Systems Characterization</i> , 2019, 36, 1900047.	1.2	8
63	Nitrogen and chlorine co-doped carbon dots with synchronous excitation of multiple luminescence centers for blue-white emission. <i>New Journal of Chemistry</i> , 2021, 45, 7056-7059.	1.4	7
64	Melanoma spheroid-containing artificial dermis as an alternative approach to in vivo models. <i>Experimental Cell Research</i> , 2022, 417, 113207.	1.2	7
65	In-situ formation and intercalation of carbon dots induced high-yield 1T-molybdenum disulfide as electrode materials. <i>Energy Storage</i> , 2020, 2, e118.	2.3	6
66	Carbon Dots: UV-Visible-NIR Full-Range Responsive Carbon Dots with Large Multiphoton Absorption Cross Sections and Deep-Red Fluorescence at Nucleoli and In Vivo (Small 19/2020). <i>Small</i> , 2020, 16, 2070107.	5.2	6
67	Carbon Defects Induced Delocalization of π Electrons Enables Efficient Charge Separation in Graphitic Carbon Nitride for Increased Photocatalytic H ₂ Generation. <i>Catalysis Letters</i> , 2022, 152, 669-678.	1.4	6
68	Magnetic-field assisted synthesis of carbon dots-doped polyaniline nanotubes with a high-performance supercapacitance. <i>Synthetic Metals</i> , 2018, 246, 23-30.	2.1	5
69	Biocompatible HA@Fe ₃ O ₄ @CDs hybrids for detecting and absorbing lead ion. <i>Journal of Biomedical Materials Research - Part A</i> , 2019, 107, 1532-1540.	2.1	2
70	Eco-friendly <sc>PCL</sc> @ <sc>CDs</sc> biomaterials via phytic acid, <sc>CDs</sc> cocatalyzed polymerization for rifapentin delivery. <i>Journal of Applied Polymer Science</i> , 2022, 139, 51984.	1.3	2
71	Development of by Incorporation of. <i>Methods in Molecular Biology</i> , 2021, 2275, 265-277.	0.4	1
72	DNA polymer films used as drug delivery systems to early-stage diagnose and treatment of breast cancer using 3D tumor spheroids as a model. <i>Photodiagnosis and Photodynamic Therapy</i> , 2021, , 102575.	1.3	1