

Huan-Ming Xiong

List of Publications by Year in Descending Order

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The third column is the impact factor (IF) of the journal, and the fourth column is the number of citations of the article.

51
papers

5,629
citations

33
h-index

55
g-index

55
ext. papers

6,642
ext. citations

9.3
avg, IF

6.39
L-index

#	Paper	IF	Citations
51	Mulberry Leaves Derived Red Emissive Carbon Dots for Feeding Silkworms to Produce Brightly Fluorescent Silk.. <i>Advanced Materials</i> , 2022 , e2200152	24	9
50	Self-assembled ZnO-carbon dots anode materials for high performance nickel-zinc alkaline batteries. <i>Chemical Engineering Journal</i> , 2021 , 425, 130660	14.7	7
49	Red Fluorescent Carbon Dot Powder for Accurate Latent Fingerprint Identification using an Artificial Intelligence Program. <i>ACS Applied Materials & Interfaces</i> , 2020 , 12, 29549-29555	9.5	10
48	Surface states of carbon dots and their influences on luminescence. <i>Journal of Applied Physics</i> , 2020 , 127, 231101	2.5	63
47	Carbon dots with red/near-infrared emissions and their intrinsic merits for biomedical applications. <i>Carbon</i> , 2020 , 167, 322-344	10.4	84
46	Integrating Carbon Dots with Porous Hydrogels to Produce Full Carbon Electrodes for Electric Double-Layer Capacitors. <i>ACS Applied Energy Materials</i> , 2020 , 3, 6907-6914	6.1	11
45	A new generation of energy storage electrode materials constructed from carbon dots. <i>Materials Chemistry Frontiers</i> , 2020 , 4, 729-749	7.8	34
44	Applications of Carbon Dots in Next-generation Lithium-Ion Batteries. <i>ChemNanoMat</i> , 2020 , 6, 1421-1436	9.5	11
43	Efficient Oxygen Electrocatalyst for Zn-Air Batteries: Carbon Dots and CoS Nanoparticles in a N,S-Codoped Carbon Matrix. <i>ACS Applied Materials & Interfaces</i> , 2019 , 11, 14085-14094	9.5	66
42	Heteroatom-doped carbon dots based catalysts for oxygen reduction reactions. <i>Journal of Colloid and Interface Science</i> , 2019 , 537, 716-724	9.3	42
41	Robust Negative Electrode Materials Derived from Carbon Dots and Porous Hydrogels for High-Performance Hybrid Supercapacitors. <i>Advanced Materials</i> , 2019 , 31, e1806197	24	64
40	Preparation of porous carbon electrodes from semen cassiae for high-performance electric double-layer capacitors. <i>New Journal of Chemistry</i> , 2018 , 42, 6763-6769	3.6	21
39	Solvent-Controlled Synthesis of Highly Luminescent Carbon Dots with a Wide Color Gamut and Narrowed Emission Peak Widths. <i>Small</i> , 2018 , 14, e1800612	11	281
38	Facile synthesis of red-emitting carbon dots from pulp-free lemon juice for bioimaging. <i>Journal of Materials Chemistry B</i> , 2017 , 5, 5272-5277	7.3	138
37	Red-Emissive Carbon Dots for Fingerprints Detection by Spray Method: Coffee Ring Effect and Unquenched Fluorescence in Drying Process. <i>ACS Applied Materials & Interfaces</i> , 2017 , 9, 18429-18433	9.5	194
36	Self-Assembled ZnO Nanoparticle Capsules for Carrying and Delivering Isotretinoin to Cancer Cells. <i>ACS Applied Materials & Interfaces</i> , 2017 , 9, 18474-18481	9.5	25
35	Highly Efficient Red-Emitting Carbon Dots with Gram-Scale Yield for Bioimaging. <i>Langmuir</i> , 2017 , 33, 12635-12642	4	147

34	High volumetric supercapacitor with a long life span based on polymer dots and graphene sheets. <i>Journal of Power Sources</i> , 2017 , 364, 465-472	8.9	20
33	Full-Color Light-Emitting Carbon Dots with a Surface-State-Controlled Luminescence Mechanism. <i>ACS Nano</i> , 2016 , 10, 484-91	16.7	1381
32	ZnO-Based Nanoplatfoms for Labeling and Treatment of Mouse Tumors without Detectable Toxic Side Effects. <i>ACS Nano</i> , 2016 , 10, 4294-300	16.7	76
31	Carbon Dots/NiCo O Nanocomposites with Various Morphologies for High Performance Supercapacitors. <i>Small</i> , 2016 , 12, 5927-5934	11	150
30	Hierarchical porous carbon materials with high capacitance derived from Schiff-base networks. <i>ACS Applied Materials & Interfaces</i> , 2015 , 7, 5811-9	9.5	93
29	Exploring the blue luminescence origin of nitrogen-doped carbon dots by controlling the water amount in synthesis. <i>RSC Advances</i> , 2015 , 5, 66528-66533	3.7	42
28	Folic acid functionalized ZnO quantum dots for targeted cancer cell imaging. <i>Nanotechnology</i> , 2015 , 26, 305702	3.4	25
27	Photoluminescent ZnO Nanoparticles and Their Biological Applications. <i>Materials</i> , 2015 , 8, 3101-3127	3.5	117
26	Nitrogen and sulfur co-doped carbon dots with strong blue luminescence. <i>Nanoscale</i> , 2014 , 6, 13817-23	7.7	392
25	In situ tracking the intracellular delivery of antisense oligonucleotides by fluorescein doped silica nanoparticles. <i>Talanta</i> , 2014 , 127, 43-50	6.2	6
24	Nitrogen-doped carbon dots derived from polyvinyl pyrrolidone and their multicolor cell imaging. <i>Nanotechnology</i> , 2014 , 25, 205604	3.4	60
23	Stable photoluminescent ZnO@Cd(OH) ₂ core-shell nanoparticles synthesized via ultrasonication-assisted sol-gel method. <i>Journal of Colloid and Interface Science</i> , 2013 , 393, 80-6	9.3	14
22	Luminescent carbon quantum dots and their application in cell imaging. <i>New Journal of Chemistry</i> , 2013 , 37, 2515	3.6	117
21	ZnO nanoparticles applied to bioimaging and drug delivery. <i>Advanced Materials</i> , 2013 , 25, 5329-35	24	337
20	Biodegradable ZnO@polymer core-shell nanocarriers: pH-triggered release of doxorubicin in vitro. <i>Angewandte Chemie - International Edition</i> , 2013 , 52, 4127-31	16.4	118
19	Biodegradable ZnO@polymer CoreShell Nanocarriers: pH-Triggered Release of Doxorubicin In Vitro. <i>Angewandte Chemie</i> , 2013 , 125, 4221-4225	3.6	12
18	Biological Applications of ZnO Nanoparticles. <i>Current Molecular Imaging</i> , 2013 , 2, 177-192		13
17	ZnO@silica core-shell nanoparticles with remarkable luminescence and stability in cell imaging. <i>Journal of Materials Chemistry</i> , 2012 , 22, 13159		82

16	Photoluminescent ZnO nanoparticles synthesized at the interface between air and triethylene glycol. <i>Journal of Materials Chemistry</i> , 2011 , 21, 3178		44
15	The application of ZnO luminescent nanoparticles in labeling mice. <i>Contrast Media and Molecular Imaging</i> , 2011 , 6, 328-30	3.2	16
14	Photoluminescent ZnO nanoparticles modified by polymers. <i>Journal of Materials Chemistry</i> , 2010 , 20, 4251		134
13	SnO ₂ @Poly(HEMA-co-St-co-VPBA) core-shell nanoparticles designed for selectively enriching glycopeptides followed by MALDI-MS analysis. <i>Chemistry - an Asian Journal</i> , 2010 , 5, 1185-91	4.5	23
12	Sonochemical Synthesis of Highly Luminescent Zinc Oxide Nanoparticles Doped with Magnesium(II). <i>Angewandte Chemie</i> , 2009 , 121, 2765-2769	3.6	34
11	Sonochemical synthesis of highly luminescent zinc oxide nanoparticles doped with magnesium(II). <i>Angewandte Chemie - International Edition</i> , 2009 , 48, 2727-31	16.4	185
10	LiMn ₂ O ₄ Nanorods, Nanothorn Microspheres, and Hollow Nanospheres as Enhanced Cathode Materials of Lithium Ion Battery. <i>Journal of Physical Chemistry C</i> , 2008 , 112, 12051-12057	3.8	111
9	Stable aqueous ZnO@polymer core-shell nanoparticles with tunable photoluminescence and their application in cell imaging. <i>Journal of the American Chemical Society</i> , 2008 , 130, 7522-3	16.4	308
8	Surfactant-free synthesis of SnO ₂ @PMMA and TiO ₂ @PMMA core-shell nanobeads designed for peptide/protein enrichment and MALDI-TOF MS analysis. <i>Angewandte Chemie - International Edition</i> , 2008 , 47, 4204-7	16.4	45
7	Surfactant-Free Synthesis of SnO ₂ @PMMA and TiO ₂ @PMMA Core-shell Nanobeads Designed for Peptide/Protein Enrichment and MALDI-TOF MS Analysis. <i>Angewandte Chemie</i> , 2008 , 120, 4272-4275	3.6	10
6	Water-stable blue-emitting ZnO@polymer core-shell microspheres. <i>Journal of Materials Chemistry</i> , 2007 , 17, 2490-2496		62
5	Stable polymer electrolytes based on polyether-grafted ZnO nanoparticles for all-solid-state lithium batteries. <i>Journal of Materials Chemistry</i> , 2006 , 16, 1345		51
4	Liquid Polymer Nanocomposites PEGME/SnO ₂ and PEGME/TiO ₂ Prepared through Solvothermal Methods. <i>Chemistry of Materials</i> , 2006 , 18, 3850-3854	9.6	20
3	Polyether-Grafted ZnO Nanoparticles with Tunable and Stable Photoluminescence at Room Temperature. <i>Chemistry of Materials</i> , 2005 , 17, 3062-3064	9.6	118
2	New Polymer/Inorganic Nanocomposites: PEO/ZnO and PEO/ZnO/LiClO ₄ Films. <i>Journal of Physical Chemistry B</i> , 2001 , 105, 10169-10174	3.4	194
1	Large scale synthesis of full-color emissive carbon dots from a single carbon source by a solvent-free method. <i>Nano Research</i> , 1	10	8