

# Huan-Ming Xiong

## List of Publications by Citations

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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	Full-Color Light-Emitting Carbon Dots with a Surface-State-Controlled Luminescence Mechanism. <i>ACS Nano</i> , <b>2016</b> , 10, 484-91	16.7	1381
50	Nitrogen and sulfur co-doped carbon dots with strong blue luminescence. <i>Nanoscale</i> , <b>2014</b> , 6, 13817-23	7.7	392
49	ZnO nanoparticles applied to bioimaging and drug delivery. <i>Advanced Materials</i> , <b>2013</b> , 25, 5329-35	24	337
48	Stable aqueous ZnO@polymer core-shell nanoparticles with tunable photoluminescence and their application in cell imaging. <i>Journal of the American Chemical Society</i> , <b>2008</b> , 130, 7522-3	16.4	308
47	Solvent-Controlled Synthesis of Highly Luminescent Carbon Dots with a Wide Color Gamut and Narrowed Emission Peak Widths. <i>Small</i> , <b>2018</b> , 14, e1800612	11	281
46	Red-Emissive Carbon Dots for Fingerprints Detection by Spray Method: Coffee Ring Effect and Unquenched Fluorescence in Drying Process. <i>ACS Applied Materials &amp; Interfaces</i> , <b>2017</b> , 9, 18429-18433	9.5	194
45	New Polymer/Inorganic Nanocomposites: PEO/ZnO and PEO/ZnO/LiClO <sub>4</sub> Films. <i>Journal of Physical Chemistry B</i> , <b>2001</b> , 105, 10169-10174	3.4	194
44	Sonochemical synthesis of highly luminescent zinc oxide nanoparticles doped with magnesium(II). <i>Angewandte Chemie - International Edition</i> , <b>2009</b> , 48, 2727-31	16.4	185
43	Carbon Dots/NiCo <sub>2</sub> O <sub>4</sub> Nanocomposites with Various Morphologies for High Performance Supercapacitors. <i>Small</i> , <b>2016</b> , 12, 5927-5934	11	150
42	Highly Efficient Red-Emitting Carbon Dots with Gram-Scale Yield for Bioimaging. <i>Langmuir</i> , <b>2017</b> , 33, 12635-12642	4	147
41	Facile synthesis of red-emitting carbon dots from pulp-free lemon juice for bioimaging. <i>Journal of Materials Chemistry B</i> , <b>2017</b> , 5, 5272-5277	7.3	138
40	Photoluminescent ZnO nanoparticles modified by polymers. <i>Journal of Materials Chemistry</i> , <b>2010</b> , 20, 4251		134
39	Biodegradable ZnO@polymer core-shell nanocarriers: pH-triggered release of doxorubicin in vitro. <i>Angewandte Chemie - International Edition</i> , <b>2013</b> , 52, 4127-31	16.4	118
38	Polyether-Grafted ZnO Nanoparticles with Tunable and Stable Photoluminescence at Room Temperature. <i>Chemistry of Materials</i> , <b>2005</b> , 17, 3062-3064	9.6	118
37	Photoluminescent ZnO Nanoparticles and Their Biological Applications. <i>Materials</i> , <b>2015</b> , 8, 3101-3127	3.5	117
36	Luminescent carbon quantum dots and their application in cell imaging. <i>New Journal of Chemistry</i> , <b>2013</b> , 37, 2515	3.6	117
35	LiMn <sub>2</sub> O <sub>4</sub> Nanorods, Nanothorn Microspheres, and Hollow Nanospheres as Enhanced Cathode Materials of Lithium Ion Battery. <i>Journal of Physical Chemistry C</i> , <b>2008</b> , 112, 12051-12057	3.8	111

34	Hierarchical porous carbon materials with high capacitance derived from Schiff-base networks. <i>ACS Applied Materials &amp; Interfaces</i> , <b>2015</b> , 7, 5811-9	9.5	93
33	Carbon dots with red/near-infrared emissions and their intrinsic merits for biomedical applications. <i>Carbon</i> , <b>2020</b> , 167, 322-344	10.4	84
32	ZnO@silica core-shell nanoparticles with remarkable luminescence and stability in cell imaging. <i>Journal of Materials Chemistry</i> , <b>2012</b> , 22, 13159		82
31	ZnO-Based Nanoplatforms for Labeling and Treatment of Mouse Tumors without Detectable Toxic Side Effects. <i>ACS Nano</i> , <b>2016</b> , 10, 4294-300	16.7	76
30	Efficient Oxygen Electrocatalyst for Zn-Air Batteries: Carbon Dots and CoS Nanoparticles in a N,S-Codoped Carbon Matrix. <i>ACS Applied Materials &amp; Interfaces</i> , <b>2019</b> , 11, 14085-14094	9.5	66
29	Robust Negative Electrode Materials Derived from Carbon Dots and Porous Hydrogels for High-Performance Hybrid Supercapacitors. <i>Advanced Materials</i> , <b>2019</b> , 31, e1806197	24	64
28	Surface states of carbon dots and their influences on luminescence. <i>Journal of Applied Physics</i> , <b>2020</b> , 127, 231101	2.5	63
27	Water-stable blue-emitting ZnO@polymer core-shell microspheres. <i>Journal of Materials Chemistry</i> , <b>2007</b> , 17, 2490-2496		62
26	Nitrogen-doped carbon dots derived from polyvinyl pyrrolidone and their multicolor cell imaging. <i>Nanotechnology</i> , <b>2014</b> , 25, 205604	3.4	60
25	Stable polymer electrolytes based on polyether-grafted ZnO nanoparticles for all-solid-state lithium batteries. <i>Journal of Materials Chemistry</i> , <b>2006</b> , 16, 1345		51
24	Surfactant-free synthesis of SnO <sub>2</sub> @PMMA and TiO <sub>2</sub> @PMMA core-shell nanobeads designed for peptide/protein enrichment and MALDI-TOF MS analysis. <i>Angewandte Chemie - International Edition</i> , <b>2008</b> , 47, 4204-7	16.4	45
23	Photoluminescent ZnO nanoparticles synthesized at the interface between air and triethylene glycol. <i>Journal of Materials Chemistry</i> , <b>2011</b> , 21, 3178		44
22	Exploring the blue luminescence origin of nitrogen-doped carbon dots by controlling the water amount in synthesis. <i>RSC Advances</i> , <b>2015</b> , 5, 66528-66533	3.7	42
21	Heteroatom-doped carbon dots based catalysts for oxygen reduction reactions. <i>Journal of Colloid and Interface Science</i> , <b>2019</b> , 537, 716-724	9.3	42
20	Sonochemical Synthesis of Highly Luminescent Zinc Oxide Nanoparticles Doped with Magnesium(II). <i>Angewandte Chemie</i> , <b>2009</b> , 121, 2765-2769	3.6	34
19	A new generation of energy storage electrode materials constructed from carbon dots. <i>Materials Chemistry Frontiers</i> , <b>2020</b> , 4, 729-749	7.8	34
18	Self-Assembled ZnO Nanoparticle Capsules for Carrying and Delivering Isotretinoin to Cancer Cells. <i>ACS Applied Materials &amp; Interfaces</i> , <b>2017</b> , 9, 18474-18481	9.5	25
17	Folic acid functionalized ZnO quantum dots for targeted cancer cell imaging. <i>Nanotechnology</i> , <b>2015</b> , 26, 305702	3.4	25

16	SnO <sub>2</sub> @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> , <b>2010</b> , 5, 1185-91	4.5	23
15	Preparation of porous carbon electrodes from semen cassiae for high-performance electric double-layer capacitors. <i>New Journal of Chemistry</i> , <b>2018</b> , 42, 6763-6769	3.6	21
14	High volumetric supercapacitor with a long life span based on polymer dots and graphene sheets. <i>Journal of Power Sources</i> , <b>2017</b> , 364, 465-472	8.9	20
13	Liquid Polymer Nanocomposites PEGME@SnO <sub>2</sub> and PEGME@TiO <sub>2</sub> Prepared through Solvothermal Methods. <i>Chemistry of Materials</i> , <b>2006</b> , 18, 3850-3854	9.6	20
12	The application of ZnO luminescent nanoparticles in labeling mice. <i>Contrast Media and Molecular Imaging</i> , <b>2011</b> , 6, 328-30	3.2	16
11	Stable photoluminescent ZnO@Cd(OH) <sub>2</sub> core-shell nanoparticles synthesized via ultrasonication-assisted sol-gel method. <i>Journal of Colloid and Interface Science</i> , <b>2013</b> , 393, 80-6	9.3	14
10	Biological Applications of ZnO Nanoparticles. <i>Current Molecular Imaging</i> , <b>2013</b> , 2, 177-192		13
9	Biodegradable ZnO@polymer Core@Shell Nanocarriers: pH-Triggered Release of Doxorubicin In Vitro. <i>Angewandte Chemie</i> , <b>2013</b> , 125, 4221-4225	3.6	12
8	Integrating Carbon Dots with Porous Hydrogels to Produce Full Carbon Electrodes for Electric Double-Layer Capacitors. <i>ACS Applied Energy Materials</i> , <b>2020</b> , 3, 6907-6914	6.1	11
7	Applications of Carbon Dots in Next-generation Lithium-Ion Batteries. <i>ChemNanoMat</i> , <b>2020</b> , 6, 1421-1436	9.5	11
6	Red Fluorescent Carbon Dot Powder for Accurate Latent Fingerprint Identification using an Artificial Intelligence Program. <i>ACS Applied Materials &amp; Interfaces</i> , <b>2020</b> , 12, 29549-29555	9.5	10
5	Surfactant-Free Synthesis of SnO <sub>2</sub> @PMMA and TiO <sub>2</sub> @PMMA Core@Shell Nanobeads Designed for Peptide/Protein Enrichment and MALDI-TOF MS Analysis. <i>Angewandte Chemie</i> , <b>2008</b> , 120, 4272-4275	3.6	10
4	Mulberry Leaves Derived Red Emissive Carbon Dots for Feeding Silkworms to Produce Brightly Fluorescent Silk.. <i>Advanced Materials</i> , <b>2022</b> , e2200152	24	9
3	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
2	Self-assembled ZnO-carbon dots anode materials for high performance nickel-zinc alkaline batteries. <i>Chemical Engineering Journal</i> , <b>2021</b> , 425, 130660	14.7	7
1	In situ tracking the intracellular delivery of antisense oligonucleotides by fluorescein doped silica nanoparticles. <i>Talanta</i> , <b>2014</b> , 127, 43-50	6.2	6