

# Huan-Ming Xiong

## List of Publications by Year in descending order

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Version: 2024-02-01

50  
papers

7,791  
citations

109137

35  
h-index

161609

54  
g-index

55  
all docs

55  
docs citations

55  
times ranked

9220  
citing authors

#	ARTICLE	IF	CITATIONS
1	Full-Color Light-Emitting Carbon Dots with a Surface-State-Controlled Luminescence Mechanism. ACS Nano, 2016, 10, 484-491.	7.3	1,872
2	Nitrogen and sulfur co-doped carbon dots with strong blue luminescence. Nanoscale, 2014, 6, 13817-13823.	2.8	497
3	Solvent-controlled Synthesis of Highly Luminescent Carbon Dots with a Wide Color Gamut and Narrowed Emission Peak Widths. Small, 2018, 14, e1800612.	5.2	449
4	ZnO Nanoparticles Applied to Bioimaging and Drug Delivery. Advanced Materials, 2013, 25, 5329-5335.	11.1	448
5	Stable Aqueous ZnO@Polymer Core-shell Nanoparticles with Tunable Photoluminescence and Their Application in Cell Imaging. Journal of the American Chemical Society, 2008, 130, 7522-7523.	6.6	352
6	Red-Emissive Carbon Dots for Fingerprints Detection by Spray Method: Coffee Ring Effect and Unquenched Fluorescence in Drying Process. ACS Applied Materials & Interfaces, 2017, 9, 18429-18433.	4.0	268
7	Highly Efficient Red-Emitting Carbon Dots with Gram-Scale Yield for Bioimaging. Langmuir, 2017, 33, 12635-12642.	1.6	222
8	New Polymer-Inorganic Nanocomposites: PEO-ZnO and PEO-ZnO-LiClO <sub>4</sub> Films. Journal of Physical Chemistry B, 2001, 105, 10169-10174.	1.2	221
9	Sonochemical Synthesis of Highly Luminescent Zinc Oxide Nanoparticles Doped with Magnesium(II). Angewandte Chemie - International Edition, 2009, 48, 2727-2731.	7.2	209
10	Facile synthesis of red-emitting carbon dots from pulp-free lemon juice for bioimaging. Journal of Materials Chemistry B, 2017, 5, 5272-5277.	2.9	209
11	Robust Negative Electrode Materials Derived from Carbon Dots and Porous Hydrogels for High-Performance Hybrid Supercapacitors. Advanced Materials, 2019, 31, e1806197.	11.1	194
12	Carbon Dots/NiCo <sub>2</sub> O <sub>4</sub> Nanocomposites with Various Morphologies for High Performance Supercapacitors. Small, 2016, 12, 5927-5934.	5.2	190
13	Surface states of carbon dots and their influences on luminescence. Journal of Applied Physics, 2020, 127, .	1.1	180
14	Photoluminescent ZnO Nanoparticles and Their Biological Applications. Materials, 2015, 8, 3101-3127.	1.3	169
15	Carbon dots with red/near-infrared emissions and their intrinsic merits for biomedical applications. Carbon, 2020, 167, 322-344.	5.4	164
16	Photoluminescent ZnO nanoparticles modified by polymers. Journal of Materials Chemistry, 2010, 20, 4251.	6.7	151
17	Luminescent carbon quantum dots and their application in cell imaging. New Journal of Chemistry, 2013, 37, 2515.	1.4	149
18	Biodegradable ZnO@polymer Core-shell Nanocarriers: pH-triggered Release of Doxorubicin In-vitro. Angewandte Chemie - International Edition, 2013, 52, 4127-4131.	7.2	133

#	ARTICLE	IF	CITATIONS
19	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> , 2008, 112, 12051-12057.	1.5	129
20	Polyether-Grafted ZnO Nanoparticles with Tunable and Stable Photoluminescence at Room Temperature. <i>Chemistry of Materials</i> , 2005, 17, 3062-3064.	3.2	127
21	Hierarchical Porous Carbon Materials with High Capacitance Derived from Schiff-Base Networks. <i>ACS Applied Materials &amp; Interfaces</i> , 2015, 7, 5811-5819.	4.0	108
22	Efficient Oxygen Electrocatalyst for Zn-Air Batteries: Carbon Dots and Co <sub>9</sub> S <sub>8</sub> Nanoparticles in a N,S-Codoped Carbon Matrix. <i>ACS Applied Materials &amp; Interfaces</i> , 2019, 11, 14085-14094.	4.0	96
23	ZnO-Based Nanoplatfoms for Labeling and Treatment of Mouse Tumors without Detectable Toxic Side Effects. <i>ACS Nano</i> , 2016, 10, 4294-4300.	7.3	94
24	ZnO@silica core-shell nanoparticles with remarkable luminescence and stability in cell imaging. <i>Journal of Materials Chemistry</i> , 2012, 22, 13159.	6.7	91
25	Mulberry Leaves-Derived Red-Emissive Carbon Dots for Feeding Silkworms to Produce Brightly Fluorescent Silk. <i>Advanced Materials</i> , 2022, 34, e2200152.	11.1	79
26	Nitrogen-doped carbon dots derived from polyvinyl pyrrolidone and their multicolor cell imaging. <i>Nanotechnology</i> , 2014, 25, 205604.	1.3	71
27	A new generation of energy storage electrode materials constructed from carbon dots. <i>Materials Chemistry Frontiers</i> , 2020, 4, 729-749.	3.2	70
28	Water-stable blue-emitting ZnO@polymer core-shell microspheres. <i>Journal of Materials Chemistry</i> , 2007, 17, 2490-2496.	6.7	69
29	Large scale synthesis of full-color emissive carbon dots from a single carbon source by a solvent-free method. <i>Nano Research</i> , 2022, 15, 3548-3555.	5.8	68
30	Heteroatom-doped carbon dots based catalysts for oxygen reduction reactions. <i>Journal of Colloid and Interface Science</i> , 2019, 537, 716-724.	5.0	63
31	Stable polymer electrolytes based on polyether-grafted ZnO nanoparticles for all-solid-state lithium batteries. <i>Journal of Materials Chemistry</i> , 2006, 16, 1345.	6.7	62
32	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.	1.7	53
33	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> , 2008, 47, 4204-4207.	7.2	51
34	Photoluminescent ZnO nanoparticles synthesized at the interface between air and triethylene glycol. <i>Journal of Materials Chemistry</i> , 2011, 21, 3178.	6.7	48
35	Self-Assembled ZnO Nanoparticle Capsules for Carrying and Delivering Isotretinoin to Cancer Cells. <i>ACS Applied Materials &amp; Interfaces</i> , 2017, 9, 18474-18481.	4.0	38
36	Folic acid functionalized ZnO quantum dots for targeted cancer cell imaging. <i>Nanotechnology</i> , 2015, 26, 305702.	1.3	31

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37	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.	1.4	29
38	Self-assembled ZnO-carbon dots anode materials for high performance nickel-zinc alkaline batteries. <i>Chemical Engineering Journal</i> , 2021, 425, 130660.	6.6	29
39	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.	4.0	27
40	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.	2.5	27
41	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> , 2010, 5, 1185-1191.	1.7	25
42	The application of ZnO luminescent nanoparticles in labeling mice. <i>Contrast Media and Molecular Imaging</i> , 2011, 6, 328-330.	0.4	25
43	Red Fluorescent Carbon Dot Powder for Accurate Latent Fingerprint Identification using an Artificial Intelligence Program. <i>ACS Applied Materials &amp; Interfaces</i> , 2020, 12, 29549-29555.	4.0	25
44	Liquid Polymer Nanocomposites PEGME~SnO <sub>2</sub> and PEGME~TiO <sub>2</sub> Prepared through Solvothermal Methods. <i>Chemistry of Materials</i> , 2006, 18, 3850-3854.	3.2	21
45	Applications of Carbon Dots in Next-generation Lithium-ion Batteries. <i>ChemNanoMat</i> , 2020, 6, 1421-1436.	1.5	21
46	In-situ Growth of Mn <sub>3</sub> O <sub>4</sub> Nanoparticles on Nitrogen-Doped Carbon Dots-Derived Carbon Skeleton as Cathode Materials for Aqueous Zinc Ion Batteries. <i>ChemSusChem</i> , 2022, 15, .	3.6	20
47	Biological Applications of ZnO Nanoparticles. <i>Current Molecular Imaging</i> , 2013, 2, 177-192.	0.7	18
48	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> , 2013, 393, 80-86.	5.0	16
49	Carbon dots crosslinked gel polymer electrolytes for dendrite-free and long-cycle lithium metal batteries. <i>SmartMat</i> , 2022, 3, 323-336.	6.4	12
50	In situ tracking the intracellular delivery of antisense oligonucleotides by fluorescein doped silica nanoparticles. <i>Talanta</i> , 2014, 127, 43-50.	2.9	8