Huaming Li

List of Publications by Year
in descending order

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92 papers	3,018 citations	159585 30 h-index	175258 52 g-index
92 all docs	92 docs citations	92 times ranked	4322 citing authors

#	Article	IF	Citations
1	Oxygen and nitrogen co-doped porous carbon nanosheets derived from Perilla frutescens for high volumetric performance supercapacitors. Journal of Power Sources, 2017, 341, 309-317.	7.8	408
2	Doping and ion substitution in colloidal metal halide perovskite nanocrystals. Chemical Society Reviews, 2020, 49, 4953-5007.	38.1	269
3	Graphene-like porous carbon nanosheets derived from salvia splendens for high-rate performance supercapacitors. Journal of Power Sources, 2018, 397, 1-10.	7.8	194
4	Dual-Shelled Multidoped Hollow Carbon Nanocages with Hierarchical Porosity for High-Performance Oxygen Reduction Reaction in Both Alkaline and Acidic Media. Nano Letters, 2020, 20, 5639-5645.	9.1	98
5	Rechargeable Znâ€“Air Batteries with Outstanding Cycling Stability Enabled by Ultrafine FeNi Nanoparticles-Encapsulated N-Doped Carbon Nanosheets as a Bifunctional Electrocatalyst. Nano Letters, 2021, 21, 3098-3105.	9.1	95
6	Oxygen and nitrogen co-doped porous carbons with finely-layered schistose structure for high-rate-performance supercapacitors. Carbon, 2017, 122, 538-546.	10.3	91
7	Heterogeneously Modified Cellulose Nanocrystals-Stabilized Pickering Emulsion: Preparation and Their Template Application for the Creation of PS Microspheres with Amino-Rich Surfaces. ACS Sustainable Chemistry and Engineering, 2017, 5, 7514-7523.	6.7	70
8	Polar Organic Solvent-Tolerant Perovskite Nanocrystals Permanently Ligated with Polymer Hairs via Star-like Molecular Bottlebrush Trilobe Nanoreactors. Nano Letters, 2019, 19, 9019-9028.	9.1	70
9	MnO₂ Nanostructures Deposited on Graphene-Like Porous Carbon Nanosheets for High-Rate Performance and High-Energy Density Asymmetric Supercapacitors. ACS Sustainable Chemistry and Engineering, 2019, 7, 3101-3110.	6.7	66
10	Preparation of Janus-type catalysts and their catalytic performance at emulsion interface. Journal of Colloid and Interface Science, 2017, 490, 357-364.	9.4	61
11	â€œClickâ€•coupling between alkyneâ€decorated multiwalled carbon nanotubes and reactive PDMAâ€PNIPAM micelles. Journal of Polymer Science Part A, 2008, 46, 7187-7199.	2.3	60
12	Polymer-Ligated Nanocrystals Enabled by Nonlinear Block Copolymer Nanoreactors: Synthesis, Properties, and Applications. ACS Nano, 2020, 14, 12491-12521.	14.6	59
13	Synthesis and photovoltaic properties of polythiophene stars with porphyrin core. Journal of Materials Chemistry, 2010, 20, 1140-1146.	6.7	56
14	A Facile and Low-Cost Route to Heteroatom Doped Porous Carbon Derived from Broussonetia Papyrifera Bark with Excellent Supercapacitance and CO2 Capture Performance. Scientific Reports, 2016, 6, 22646.	3.3	52
15	Copper/nickel nanoparticle decorated carbon nanotubes for nonenzymatic glucose biosensor. Journal of Solid State Electrochemistry, 2015, 19, 1511-1521.	2.5	50
16	Chemical degradation of thermoplastic polyurethane for recycling polyether polyol. Fibers and Polymers, 2011, 12, 857-863.	2.1	49
17	Porous N-Doped Carbon Prepared from Triazine-Based Polypyrrole Network: A Highly Efficient Metal-Free Catalyst for Oxygen Reduction Reaction in Alkaline Electrolytes. ACS Applied Materials & Interfaces, 2016, 8, 28615-28623.	8.0	47
18	N-doped carbon nanotubes encapsulated with FeNi nanoparticles derived from defect-rich, molecule-doped 3D g-C₃N₄ as an efficient bifunctional electrocatalyst for rechargeable zincâ€“air batteries. Journal of Materials Chemistry A, 2022, 10, 9911-9921.	10.3	43

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19	Synthesis, characterization, and electrochemical performances of core-shell Ni(SO4)0.3(OH)1.4/C and NiO/C nanobelts. Journal of Materials Chemistry, 2012, 22, 7224.	6.7	39
20	Nitrogen-doped carbon nanotubes as catalysts for the oxygen reduction reaction in alkaline medium. Journal of Power Sources, 2015, 279, 28-35.	7.8	39
21	A dual-function colorimetric probe based on Carbazole-Cyanine dyad for highly sensitive recognition of cyanide and hypochlorous acid in aqueous media. Talanta, 2019, 202, 329-335.	5.5	38
22	Colorimetric fluorescent cyanide chemodosimeter based on triphenylimidazole derivative. Spectrochimica Acta - Part A: Molecular and Biomolecular Spectroscopy, 2014, 124, 97-101.	3.9	37
23	Redox- and pH-responsive polymer gels with reversible solâ€“gel transitions and self-healing properties. RSC Advances, 2014, 4, 47361-47367.	3.6	37
24	Graphene-like porous carbon nanosheets for ultra-high rate performance supercapacitors and efficient oxygen reduction electrocatalysts. Journal of Power Sources, 2020, 456, 227999.	7.8	37
25	Bamboo-like, oxygen-doped carbon tubes with hierarchical pore structure derived from polymer tubes for supercapacitor applications. Journal of Materials Science, 2017, 52, 7781-7793.	3.7	35
26	Covalent Functionalization of Single-Walled Carbon Nanotubes with Thermoresponsive Core Cross-Linked Polymeric Micelles. Macromolecules, 2012, 45, 4698-4706.	4.8	33
27	Phenylamino-, Phenoxy-, and Benzenesulfenyl-Linked Covalent Triazine Frameworks for CO₂ Capture. ACS Applied Nano Materials, 2020, 3, 2889-2898.	5.0	33
28	A novel â€œturn-onâ€•fluorescent probe based on triphenylimidazole-hemicyanine dyad for colorimetric detection of CNâ^' in 100% aqueous solution. Journal of Hazardous Materials, 2018, 344, 875-882.	12.4	32
29	A new â€œon-off-onâ€•fluorescent probe containing triarylimidazole chromophore to sequentially detect copper and sulfide ions. Spectrochimica Acta - Part A: Molecular and Biomolecular Spectroscopy, 2017, 185, 256-262.	3.9	31
30	N/O Codoped Porous Carbons with Layered Structure for High-Rate Performance Supercapacitors. ACS Sustainable Chemistry and Engineering, 2019, 7, 11219-11227.	6.7	31
31	Porous Organic-Polymer-Derived Nitrogen-Doped Porous Carbon Nanoparticles for Efficient Oxygen Reduction Electrocatalysis and Supercapacitors. ACS Sustainable Chemistry and Engineering, 2019, 7, 2236-2244.	6.7	31
32	A dual-channel and fast-response fluorescent probe for selective detection of HClO and its applications in live cells. Sensors and Actuators B: Chemical, 2019, 299, 126937.	7.8	30
33	An injectable self-healing hydrogel-cellulose nanocrystals conjugate with excellent mechanical strength and good biocompatibility. Carbohydrate Polymers, 2019, 223, 115084.	10.2	30
34	pH-responsible Pickering emulsion and its catalytic application for reaction at waterâ€“oil interface. Colloid and Polymer Science, 2015, 293, 1505-1513.	2.1	29
35	Stimuli-responsive Janus mesoporous nanosheets towards robust interfacial emulsification and catalysis. Materials Horizons, 2020, 7, 3242-3249.	12.2	29
36	Efficient synthesis of narrowly dispersed amphiphilic double-brush copolymers through the polymerization reaction of macromonomer micelle emulsifiers at the oilâ€“water interface. Polymer Chemistry, 2016, 7, 4476-4485.	3.9	28

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37	A highly sensitive nonenzymatic glucose sensor based on nickel oxideâ€“carbon nanotube hybrid nanobelts. Journal of Solid State Electrochemistry, 2014, 18, 899-908.	2.5	27
38	Electrochemical sensing platform for L-CySH based on nearly uniform Au nanoparticles decorated graphene nanosheets. Materials Science and Engineering C, 2014, 38, 292-298.	7.3	27
39	Preparation of SiO2@TiO2 composite nanosheets and their application in photocatalytic degradation of malachite green at emulsion interface. Colloids and Surfaces A: Physicochemical and Engineering Aspects, 2019, 582, 123858.	4.7	27
40	Controlled synthesis of nickel phosphate hexahedronal and flower-like architectures via a simple template-free hydrothermal route. CrystEngComm, 2010, 12, 3607.	2.6	26
41	In-situ self-templating synthesis of 3D hierarchical porous carbons from oxygen-bridged porous organic polymers for high-performance supercapacitors. Nano Research, 2022, 15, 7759-7768.	10.4	25
42	Dual responsive Pickering emulsions stabilized by constructed core crosslinked polymer nanoparticles via reversible covalent bonds. Soft Matter, 2016, 12, 9683-9691.	2.7	21
43	Dual responsive macroemulsion stabilized by Y-shaped amphiphilic AB₂ miktoarm star copolymers. RSC Advances, 2015, 5, 96377-96386.	3.6	19
44	The fabrication of amphiphilic double dynamers for responsive Pickering emulsifiers. Polymer Chemistry, 2018, 9, 627-636.	3.9	19
45	Redox-responsive Pickering emulsion derived from the fabricated sheddable polymeric micelles. Polymer, 2018, 158, 1-9.	3.8	19
46	Phenylboronate-diol crosslinked polymer/SWCNT hybrid gels with reversible sol-gel transition. Polymers for Advanced Technologies, 2014, 25, 233-239.	3.2	18
47	N-doped and N/Fe-codoped porous carbon spheres derived from tetrazine-based polypyrrole as efficient electrocatalysts for the oxygen reduction reaction. Applied Catalysis A: General, 2018, 559, 102-111.	4.3	18
48	Polymeric Janus Nanosheets by Template RAFT Polymerization. Macromolecules, 2017, 50, 9042-9047.	4.8	16
49	Nitrogen/Cobalt Coâ€doped Mesoporous Carbon Microspheres Derived from Amorphous Metalâ€Organic Frameworks as a Catalyst for the Oxygen Reduction Reaction in Both Alkaline and Acidic Electrolytes. ChemElectroChem, 2019, 6, 2546-2552.	3.4	15
50	Responsive Emulsions Stabilized by Amphiphilic Supramolecular Graft Copolymers Formed in Situ at the Oilâ€“Water Interface. Langmuir, 2018, 34, 5750-5758.	3.5	14
51	Triple-Responsive Pickering Emulsion Stabilized by Core Cross-linked Supramolecular Polymer Particles. Langmuir, 2019, 35, 11872-11880.	3.5	14
52	O/N Coâ€Doped, Layered Porous Carbon with Mesoporosity up to 99â€‰% for Ultrahighâ€Rate Capability Supercapacitors. Batteries and Supercaps, 2020, 3, 1091-1098.	4.7	14
53	Analysis of effect of modification of silica and carbon black co-filled rubber composite on mechanical properties. E-Polymers, 2021, 21, 279-288.	3.0	14
54	Flexible Solid-State Supercapacitor with High Energy Density Enabled by N/B/O-Codoped Porous Carbon Nanoparticles and Imidazolium-Based Gel Polymer Electrolyte. ACS Sustainable Chemistry and Engineering, 2022, 10, 5548-5558.	6.7	13

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55	Flexible Solid-State Supercapacitors with Outstanding Capacitive Performance Enabled by N/B-Codoped Porous Carbon Nanosheets. ACS Applied Energy Materials, 2021, 4, 7552-7561.	5.1	12
56	Well-defined poly(N-isopropylacrylamide) with a bifunctional end-group: synthesis, characterization, and thermoresponsive properties. Designed Monomers and Polymers, 2013, 16, 465-474.	1.6	11
57	Synthesis of poly(ethylene glycol) functionalized MWNTs and their inclusion complexes with Î±-cyclodextrin. Journal of Materials Science, 2008, 43, 5609-5617.	3.7	10
58	Metalâ€•and solventâ€free, clickable synthesis and postpolymerization functionalization of poly(triazole)s. Journal of Polymer Science Part A, 2012, 50, 3767-3774.	2.3	10
59	Massage ball-like, hollow porous Au/SiO₂microspheres templated by a Pickering emulsion derived from polymerâ€“metal hybrid emulsifier micelles. RSC Advances, 2014, 4, 49866-49872.	3.6	10
60	A Porous Organic Poly(triphenylimidazole) Decorated with Palladium Nanoparticles for the Cyanation of Aryl Iodides. Chemistry - an Asian Journal, 2018, 13, 2708-2713.	3.3	10
61	Synthesis of syndiotactic polystyrene-graft-poly(ethylene glycol) copolymer by photochemical reaction. Journal of Polymer Research, 2009, 16, 709-717.	2.4	9
62	Synthesis and photophysical properties of porphyrin-containing polymers. Journal of Polymer Research, 2012, 19, 1.	2.4	9
63	High-performance electrocatalyst for oxygen reduction reaction derived from copolymer networks and iron(<scp>ii</scp>) acetate. RSC Advances, 2016, 6, 97259-97265.	3.6	9
64	Enhanced Photocatalysis of g-C3N4 Thermally Modified with Calcium Chloride. Catalysis Letters, 2017, 147, 1922-1930.	2.6	8
65	Nitrogenâ€doped Porous Carbon with Brainâ€like Structure Derived from Quaternary Bipyridiniumâ€type Framework for Efficient Oxygen Reduction Electrocatalysis and Supercapacitors. ChemElectroChem, 2019, 6, 848-855.	3.4	8
66	Unique UV absorbance for triphenylimidazoleâ€based polymer. Journal of Applied Polymer Science, 2012, 126, 1146-1151.	2.6	7
67	Well-defined polyurethane-graft-poly(N,N-dimethylacrylamide) copolymer with a controlled graft density and grafted chain length: synthesis and its application as a Pickering emulsion. RSC Advances, 2016, 6, 58970-58978.	3.6	7
68	Surface ligand engineering renders tube-like perovskite nanocrystal composites with outstanding polar organic solvent-tolerance and strong emission. Chemical Engineering Journal, 2022, 434, 133866.	12.7	7
69	Ultrastable highly-emissive amphiphilic perovskite nanocrystal composites via the synergy of polymer-grafted silica nanoreactor and surface ligand engineering for white light-emitting diode. Nano Energy, 2022, 98, 107321.	16.0	7
70	Covalent functionalization of multiwalled carbon nanotubes with polybutadiene. Journal of Applied Polymer Science, 2010, 116, 1272-1277.	2.6	6
71	A theory for polymorphic melting in binary solid solutions. Journal of Materials Research, 2011, 26, 997-1005.	2.6	6
72	Preparation, characterization, and electrochemical performances of graphene/Ni(OH)2 hybrid nanomaterials. Journal of Nanoparticle Research, 2013, 15, 1.	1.9	6

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73	Synthesis of well-defined 8-shaped polymers by the combination of RAFT polymerization and click reaction. Designed Monomers and Polymers, 2014, 17, 132-139.	1.6	6
74	Voltammetric Sensor for Sudan I Based on Glassy Carbon Electrode Modified by SWCNT/Î²-Cyclodextrin Conjugate. Nano, 2015, 10, 1550026.	1.0	6
75	Cross-linking and de-cross-linking of triarylimidazole-based polymer. Polymer, 2016, 99, 529-535.	3.8	6
76	Synthesis and Photophysical Properties of Porphyrinâ€“Arylimidazole Heterodyads. Journal of Heterocyclic Chemistry, 2017, 54, 1522-1528.	2.6	6
77	Atom transfer radical polymerization of styrene initiated by bromoacetylated syndiotactic polystyrene macroinitiator. Polymer International, 2007, 56, 976-983.	3.1	5
78	RAFT synthesis of acrylic polymers containing diol or dioxane groups. Journal of Polymer Research, 2012, 19, 1.	2.4	5
79	Self-assembly of sodium 4-(4,5-diphenyl-1H-imidazol-2-yl)benzoate into ultralong microbelts. CrystEngComm, 2014, 16, 7507-7514.	2.6	5
80	Preparation of monodispersed core-shell microspheres with surface antibacterial property employingN-(4-vinylbenzyl)-N,N-diethylamine hydrochloride as surfmer. International Journal of Polymeric Materials and Polymeric Biomaterials, 2016, 65, 143-150.	3.4	5
81	Thermoâ€Responsive Brush Copolymers by â€œGrafting Throughâ€•Strategy Implemented on the Surface of the Macromonomer Micelles and Their High Emulsifying Performance. Macromolecular Chemistry and Physics, 2017, 218, 1700131.	2.2	5
82	Iron-nickel alloy nanoparticles encapsulated in nitrogen-doped carbon nanotubes as efficient bifunctional electrocatalyst for rechargeable zinc-air batteries. Journal of Colloid and Interface Science, 2022, 625, 278-288.	9.4	5
83	Synthesis and RAFT polymerization of a novel vinyl monomer containing both triarylimidazole and triazole moieties. Designed Monomers and Polymers, 2014, 17, 601-609.	1.6	4
84	A highly sensitive chemosensor for rapid recognition of Cu2+ and HSO3â^' in 100% aqueous solution. Spectrochimica Acta - Part A: Molecular and Biomolecular Spectroscopy, 2021, 263, 120215.	3.9	4
85	Facile crafting of ultralong N-doped carbon nanotube encapsulated with FeCo nanoparticles as bifunctional electrocatalyst for rechargeable zinc-air batteries. Microporous and Mesoporous Materials, 2022, 336, 111850.	4.4	4
86	Surface engineering of ZIF-L renders multidoped leaf-like porous carbon nanosheets for highly efficient oxygen reduction reaction in both alkaline and acidic media. Colloids and Surfaces A: Physicochemical and Engineering Aspects, 2022, 648, 129417.	4.7	4
87	Synthesis and characterization of phenanthroimidazole-containing triazine frameworks and their performance in CO2 capture. Microporous and Mesoporous Materials, 2021, 316, 110939.	4.4	3
88	A mean-field model for amorphization in crystalline solid solutions. Journal of Applied Physics, 2011, 109, 103507.	2.5	2
89	Polymer-assisted fabrication of crystalline rectangular microtubes of triphenylimidazole derivatives. CrystEngComm, 2012, 14, 5517.	2.6	2
90	Self-Assembly of Colloidal Polymer Particles into Highly Ordered, Spoke Patterns by Evaporation. International Journal of Polymeric Materials and Polymeric Biomaterials, 2014, 63, 130-136.	3.4	2

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91	N-Doped Porous Carbons Derived from Cross-Linked Polybenzoxazine as Efficient Catalysts for ORR in Alkaline Electrolyte. Journal of the Electrochemical Society, 2020, 167, 116516.	2.9	2
92	Preparation and application of carbon black-filled rubber composite modified with a multi-functional silane coupling agent. International Polymer Processing, 2022, 37, 15-24.	0.5	2