

Huaming Li

List of Publications by Year in descending order

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92
papers

3,018
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159585
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all docs

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docs citations

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times ranked

4322
citing authors

#	ARTICLE	IF	CITATIONS
1	Surface ligand engineering renders tube-like perovskite nanocrystal composites with outstanding polar organic solvent-tolerance and strong emission. <i>Chemical Engineering Journal</i> , 2022, 434, 133866.	12.7	7
2	N-doped carbon nanotubes encapsulated with FeNi nanoparticles derived from defect-rich, molecule-doped 3D g-C ₃ N ₄ as an efficient bifunctional electrocatalyst for rechargeable zinc-air batteries. <i>Journal of Materials Chemistry A</i> , 2022, 10, 9911-9921.	10.3	43
3	Preparation and application of carbon black-filled rubber composite modified with a multi-functional silane coupling agent. <i>International Polymer Processing</i> , 2022, 37, 15-24.	0.5	2
4	Facile crafting of ultralong N-doped carbon nanotube encapsulated with FeCo nanoparticles as bifunctional electrocatalyst for rechargeable zinc-air batteries. <i>Microporous and Mesoporous Materials</i> , 2022, 336, 111850.	4.4	4
5	Flexible Solid-State Supercapacitor with High Energy Density Enabled by N/B/O-Codoped Porous Carbon Nanoparticles and Imidazolium-Based Gel Polymer Electrolyte. <i>ACS Sustainable Chemistry and Engineering</i> , 2022, 10, 5548-5558.	6.7	13
6	In-situ self-templating synthesis of 3D hierarchical porous carbons from oxygen-bridged porous organic polymers for high-performance supercapacitors. <i>Nano Research</i> , 2022, 15, 7759-7768.	10.4	25
7	Ultrastable highly-emissive amphiphilic perovskite nanocrystal composites via the synergy of polymer-grafted silica nanoreactor and surface ligand engineering for white light-emitting diode. <i>Nano Energy</i> , 2022, 98, 107321.	16.0	7
8	Surface engineering of ZIF-L renders multidoped leaf-like porous carbon nanosheets for highly efficient oxygen reduction reaction in both alkaline and acidic media. <i>Colloids and Surfaces A: Physicochemical and Engineering Aspects</i> , 2022, 648, 129417.	4.7	4
9	Iron-nickel alloy nanoparticles encapsulated in nitrogen-doped carbon nanotubes as efficient bifunctional electrocatalyst for rechargeable zinc-air batteries. <i>Journal of Colloid and Interface Science</i> , 2022, 625, 278-288.	9.4	5
10	Analysis of effect of modification of silica and carbon black co-filled rubber composite on mechanical properties. <i>E-Polymers</i> , 2021, 21, 279-288.	3.0	14
11	Synthesis and characterization of phenanthroimidazole-containing triazine frameworks and their performance in CO ₂ capture. <i>Microporous and Mesoporous Materials</i> , 2021, 316, 110939.	4.4	3
12	Rechargeable Zn-Air Batteries with Outstanding Cycling Stability Enabled by Ultrafine FeNi Nanoparticles-Encapsulated N-Doped Carbon Nanosheets as a Bifunctional Electrocatalyst. <i>Nano Letters</i> , 2021, 21, 3098-3105.	9.1	95
13	Flexible Solid-State Supercapacitors with Outstanding Capacitive Performance Enabled by N/B-Codoped Porous Carbon Nanosheets. <i>ACS Applied Energy Materials</i> , 2021, 4, 7552-7561.	5.1	12
14	A highly sensitive chemosensor for rapid recognition of Cu ²⁺ and HSO ₃ ²⁻ in 100% aqueous solution. <i>Spectrochimica Acta - Part A: Molecular and Biomolecular Spectroscopy</i> , 2021, 263, 120215.	3.9	4
15	Polymer-Ligated Nanocrystals Enabled by Nonlinear Block Copolymer Nanoreactors: Synthesis, Properties, and Applications. <i>ACS Nano</i> , 2020, 14, 12491-12521.	14.6	59
16	Stimuli-responsive Janus mesoporous nanosheets towards robust interfacial emulsification and catalysis. <i>Materials Horizons</i> , 2020, 7, 3242-3249.	12.2	29
17	Doping and ion substitution in colloidal metal halide perovskite nanocrystals. <i>Chemical Society Reviews</i> , 2020, 49, 4953-5007.	38.1	269
18	O/N Codoped, Layered Porous Carbon with Mesoporosity up to 99% for Ultrahigh-Rate Capability Supercapacitors. <i>Batteries and Supercaps</i> , 2020, 3, 1091-1098.	4.7	14

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19	Dual-Shelled Multidoped Hollow Carbon Nanocages with Hierarchical Porosity for High-Performance Oxygen Reduction Reaction in Both Alkaline and Acidic Media. <i>Nano Letters</i> , 2020, 20, 5639-5645.	9.1	98
20	Phenylamino-, Phenoxy-, and Benzenesulfonyl-Linked Covalent Triazine Frameworks for CO ₂ Capture. <i>ACS Applied Nano Materials</i> , 2020, 3, 2889-2898.	5.0	33
21	Graphene-like porous carbon nanosheets for ultra-high rate performance supercapacitors and efficient oxygen reduction electrocatalysts. <i>Journal of Power Sources</i> , 2020, 456, 227999.	7.8	37
22	N-Doped Porous Carbons Derived from Cross-Linked Polybenzoxazine as Efficient Catalysts for ORR in Alkaline Electrolyte. <i>Journal of the Electrochemical Society</i> , 2020, 167, 116516.	2.9	2
23	A dual-channel and fast-response fluorescent probe for selective detection of HClO and its applications in live cells. <i>Sensors and Actuators B: Chemical</i> , 2019, 299, 126937.	7.8	30
24	An injectable self-healing hydrogel-cellulose nanocrystals conjugate with excellent mechanical strength and good biocompatibility. <i>Carbohydrate Polymers</i> , 2019, 223, 115084.	10.2	30
25	Polar Organic Solvent-Tolerant Perovskite Nanocrystals Permanently Ligated with Polymer Hairs via Star-like Molecular Bottlebrush Trilobe Nanoreactors. <i>Nano Letters</i> , 2019, 19, 9019-9028.	9.1	70
26	Triple-Responsive Pickering Emulsion Stabilized by Core Cross-linked Supramolecular Polymer Particles. <i>Langmuir</i> , 2019, 35, 11872-11880.	3.5	14
27	Preparation of SiO ₂ @TiO ₂ composite nanosheets and their application in photocatalytic degradation of malachite green at emulsion interface. <i>Colloids and Surfaces A: Physicochemical and Engineering Aspects</i> , 2019, 582, 123858.	4.7	27
28	N/O Codoped Porous Carbons with Layered Structure for High-Rate Performance Supercapacitors. <i>ACS Sustainable Chemistry and Engineering</i> , 2019, 7, 11219-11227.	6.7	31
29	Nitrogen/Cobalt Co-doped Mesoporous Carbon Microspheres Derived from Amorphous Metal-Organic Frameworks as a Catalyst for the Oxygen Reduction Reaction in Both Alkaline and Acidic Electrolytes. <i>ChemElectroChem</i> , 2019, 6, 2546-2552.	3.4	15
30	A dual-function colorimetric probe based on Carbazole-Cyanine dyad for highly sensitive recognition of cyanide and hypochlorous acid in aqueous media. <i>Talanta</i> , 2019, 202, 329-335.	5.5	38
31	Nitrogen-doped Porous Carbon with Brain-like Structure Derived from Quaternary Bipyridinium-type Framework for Efficient Oxygen Reduction Electrocatalysis and Supercapacitors. <i>ChemElectroChem</i> , 2019, 6, 848-855.	3.4	8
32	Porous Organic-Polymer-Derived Nitrogen-Doped Porous Carbon Nanoparticles for Efficient Oxygen Reduction Electrocatalysis and Supercapacitors. <i>ACS Sustainable Chemistry and Engineering</i> , 2019, 7, 2236-2244.	6.7	31
33	MnO ₂ Nanostructures Deposited on Graphene-Like Porous Carbon Nanosheets for High-Rate Performance and High-Energy Density Asymmetric Supercapacitors. <i>ACS Sustainable Chemistry and Engineering</i> , 2019, 7, 3101-3110.	6.7	66
34	The fabrication of amphiphilic double dynamers for responsive Pickering emulsifiers. <i>Polymer Chemistry</i> , 2018, 9, 627-636.	3.9	19
35	N-doped and N/Fe-codoped porous carbon spheres derived from tetrazine-based polypyrrole as efficient electrocatalysts for the oxygen reduction reaction. <i>Applied Catalysis A: General</i> , 2018, 559, 102-111.	4.3	18
36	Redox-responsive Pickering emulsion derived from the fabricated sheddable polymeric micelles. <i>Polymer</i> , 2018, 158, 1-9.	3.8	19

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37	A novel "turn-on" fluorescent probe based on triphenylimidazole-hemicyanine dyad for colorimetric detection of CN ⁻ in 100% aqueous solution. <i>Journal of Hazardous Materials</i> , 2018, 344, 875-882.	12.4	32
38	A Porous Organic Poly(triphenylimidazole) Decorated with Palladium Nanoparticles for the Cyanation of Aryl Iodides. <i>Chemistry - an Asian Journal</i> , 2018, 13, 2708-2713.	3.3	10
39	Graphene-like porous carbon nanosheets derived from salvia splendens for high-rate performance supercapacitors. <i>Journal of Power Sources</i> , 2018, 397, 1-10.	7.8	194
40	Responsive Emulsions Stabilized by Amphiphilic Supramolecular Graft Copolymers Formed in Situ at the Oil-Water Interface. <i>Langmuir</i> , 2018, 34, 5750-5758.	3.5	14
41	Bamboo-like, oxygen-doped carbon tubes with hierarchical pore structure derived from polymer tubes for supercapacitor applications. <i>Journal of Materials Science</i> , 2017, 52, 7781-7793.	3.7	35
42	A new "on-off-on" fluorescent probe containing triarylimidazole chromophore to sequentially detect copper and sulfide ions. <i>Spectrochimica Acta - Part A: Molecular and Biomolecular Spectroscopy</i> , 2017, 185, 256-262.	3.9	31
43	Thermo-Responsive Brush Copolymers by "Grafting Through" Strategy Implemented on the Surface of the Macromonomer Micelles and Their High Emulsifying Performance. <i>Macromolecular Chemistry and Physics</i> , 2017, 218, 1700131.	2.2	5
44	Oxygen and nitrogen co-doped porous carbon nanosheets derived from <i>Perilla frutescens</i> for high volumetric performance supercapacitors. <i>Journal of Power Sources</i> , 2017, 341, 309-317.	7.8	408
45	Heterogeneously Modified Cellulose Nanocrystals-Stabilized Pickering Emulsion: Preparation and Their Template Application for the Creation of PS Microspheres with Amino-Rich Surfaces. <i>ACS Sustainable Chemistry and Engineering</i> , 2017, 5, 7514-7523.	6.7	70
46	Polymeric Janus Nanosheets by Template RAFT Polymerization. <i>Macromolecules</i> , 2017, 50, 9042-9047.	4.8	16
47	Enhanced Photocatalysis of g-C ₃ N ₄ Thermally Modified with Calcium Chloride. <i>Catalysis Letters</i> , 2017, 147, 1922-1930.	2.6	8
48	Oxygen and nitrogen co-doped porous carbons with finely-layered schistose structure for high-rate-performance supercapacitors. <i>Carbon</i> , 2017, 122, 538-546.	10.3	91
49	Preparation of Janus-type catalysts and their catalytic performance at emulsion interface. <i>Journal of Colloid and Interface Science</i> , 2017, 490, 357-364.	9.4	61
50	Synthesis and Photophysical Properties of Porphyrin-Arylimidazole Heterodyads. <i>Journal of Heterocyclic Chemistry</i> , 2017, 54, 1522-1528.	2.6	6
51	Cross-linking and de-cross-linking of triarylimidazole-based polymer. <i>Polymer</i> , 2016, 99, 529-535.	3.8	6
52	High-performance electrocatalyst for oxygen reduction reaction derived from copolymer networks and iron(II) acetate. <i>RSC Advances</i> , 2016, 6, 97259-97265.	3.6	9
53	Porous N-Doped Carbon Prepared from Triazine-Based Polypyrrole Network: A Highly Efficient Metal-Free Catalyst for Oxygen Reduction Reaction in Alkaline Electrolytes. <i>ACS Applied Materials & Interfaces</i> , 2016, 8, 28615-28623.	8.0	47
54	Dual responsive Pickering emulsions stabilized by constructed core crosslinked polymer nanoparticles via reversible covalent bonds. <i>Soft Matter</i> , 2016, 12, 9683-9691.	2.7	21

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55	A Facile and Low-Cost Route to Heteroatom Doped Porous Carbon Derived from <i>Broussonetia Papyrifera</i> Bark with Excellent Supercapacitance and CO ₂ Capture Performance. <i>Scientific Reports</i> , 2016, 6, 22646.	3.3	52
56	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. <i>RSC Advances</i> , 2016, 6, 58970-58978.	3.6	7
57	Efficient synthesis of narrowly dispersed amphiphilic double-brush copolymers through the polymerization reaction of macromonomer micelle emulsifiers at the oil/water interface. <i>Polymer Chemistry</i> , 2016, 7, 4476-4485.	3.9	28
58	Preparation of monodispersed core-shell microspheres with surface antibacterial property employing N-(4-vinylbenzyl)-N,N-diethylamine hydrochloride as surfmer. <i>International Journal of Polymeric Materials and Polymeric Biomaterials</i> , 2016, 65, 143-150.	3.4	5
59	Dual responsive macroemulsion stabilized by Y-shaped amphiphilic AB ₂ miktoarm star copolymers. <i>RSC Advances</i> , 2015, 5, 96377-96386.	3.6	19
60	Nitrogen-doped carbon nanotubes as catalysts for the oxygen reduction reaction in alkaline medium. <i>Journal of Power Sources</i> , 2015, 279, 28-35.	7.8	39
61	Copper/nickel nanoparticle decorated carbon nanotubes for nonenzymatic glucose biosensor. <i>Journal of Solid State Electrochemistry</i> , 2015, 19, 1511-1521.	2.5	50
62	pH-responsive Pickering emulsion and its catalytic application for reaction at water/oil interface. <i>Colloid and Polymer Science</i> , 2015, 293, 1505-1513.	2.1	29
63	Voltammetric Sensor for Sudan I Based on Glassy Carbon Electrode Modified by SWCNT/ β -Cyclodextrin Conjugate. <i>Nano</i> , 2015, 10, 1550026.	1.0	6
64	Self-Assembly of Colloidal Polymer Particles into Highly Ordered, Spoke Patterns by Evaporation. <i>International Journal of Polymeric Materials and Polymeric Biomaterials</i> , 2014, 63, 130-136.	3.4	2
65	Self-assembly of sodium 4-(4,5-diphenyl-1H-imidazol-2-yl)benzoate into ultralong microbelts. <i>CrystEngComm</i> , 2014, 16, 7507-7514.	2.6	5
66	Synthesis of well-defined 8-shaped polymers by the combination of RAFT polymerization and click reaction. <i>Designed Monomers and Polymers</i> , 2014, 17, 132-139.	1.6	6
67	A highly sensitive nonenzymatic glucose sensor based on nickel oxide/carbon nanotube hybrid nanobelts. <i>Journal of Solid State Electrochemistry</i> , 2014, 18, 899-908.	2.5	27
68	Colorimetric fluorescent cyanide chemodosimeter based on triphenylimidazole derivative. <i>Spectrochimica Acta - Part A: Molecular and Biomolecular Spectroscopy</i> , 2014, 124, 97-101.	3.9	37
69	Phenylboronate-diol crosslinked polymer/SWCNT hybrid gels with reversible sol-gel transition. <i>Polymers for Advanced Technologies</i> , 2014, 25, 233-239.	3.2	18
70	Synthesis and RAFT polymerization of a novel vinyl monomer containing both triarylimidazole and triazole moieties. <i>Designed Monomers and Polymers</i> , 2014, 17, 601-609.	1.6	4
71	Redox- and pH-responsive polymer gels with reversible sol-gel transitions and self-healing properties. <i>RSC Advances</i> , 2014, 4, 47361-47367.	3.6	37
72	Massage ball-like, hollow porous Au/SiO ₂ microspheres templated by a Pickering emulsion derived from polymer-metal hybrid emulsifier micelles. <i>RSC Advances</i> , 2014, 4, 49866-49872.	3.6	10

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73	Electrochemical sensing platform for L-CySH based on nearly uniform Au nanoparticles decorated graphene nanosheets. <i>Materials Science and Engineering C</i> , 2014, 38, 292-298.	7.3	27
74	Preparation, characterization, and electrochemical performances of graphene/Ni(OH) ₂ hybrid nanomaterials. <i>Journal of Nanoparticle Research</i> , 2013, 15, 1.	1.9	6
75	Well-defined poly(N-isopropylacrylamide) with a bifunctional end-group: synthesis, characterization, and thermoresponsive properties. <i>Designed Monomers and Polymers</i> , 2013, 16, 465-474.	1.6	11
76	Polymer-assisted fabrication of crystalline rectangular microtubes of triphenylimidazole derivatives. <i>CrystEngComm</i> , 2012, 14, 5517.	2.6	2
77	Covalent Functionalization of Single-Walled Carbon Nanotubes with Thermoresponsive Core Cross-Linked Polymeric Micelles. <i>Macromolecules</i> , 2012, 45, 4698-4706.	4.8	33
78	Synthesis, characterization, and electrochemical performances of core-shell Ni(SO ₄) _{0.3} (OH) _{1.4} /C and NiO/C nanobelts. <i>Journal of Materials Chemistry</i> , 2012, 22, 7224.	6.7	39
79	RAFT synthesis of acrylic polymers containing diol or dioxane groups. <i>Journal of Polymer Research</i> , 2012, 19, 1.	2.4	5
80	Synthesis and photophysical properties of porphyrin-containing polymers. <i>Journal of Polymer Research</i> , 2012, 19, 1.	2.4	9
81	Metal- and solvent-free, clickable synthesis and postpolymerization functionalization of poly(triazole)s. <i>Journal of Polymer Science Part A</i> , 2012, 50, 3767-3774.	2.3	10
82	Unique UV absorbance for triphenylimidazole-based polymer. <i>Journal of Applied Polymer Science</i> , 2012, 126, 1146-1151.	2.6	7
83	A mean-field model for amorphization in crystalline solid solutions. <i>Journal of Applied Physics</i> , 2011, 109, 103507.	2.5	2
84	A theory for polymorphic melting in binary solid solutions. <i>Journal of Materials Research</i> , 2011, 26, 997-1005.	2.6	6
85	Chemical degradation of thermoplastic polyurethane for recycling polyether polyol. <i>Fibers and Polymers</i> , 2011, 12, 857-863.	2.1	49
86	Covalent functionalization of multiwalled carbon nanotubes with polybutadiene. <i>Journal of Applied Polymer Science</i> , 2010, 116, 1272-1277.	2.6	6
87	Synthesis and photovoltaic properties of polythiophene stars with porphyrin core. <i>Journal of Materials Chemistry</i> , 2010, 20, 1140-1146.	6.7	56
88	Controlled synthesis of nickel phosphate hexahedral and flower-like architectures via a simple template-free hydrothermal route. <i>CrystEngComm</i> , 2010, 12, 3607.	2.6	26
89	Synthesis of syndiotactic polystyrene-graft-poly(ethylene glycol) copolymer by photochemical reaction. <i>Journal of Polymer Research</i> , 2009, 16, 709-717.	2.4	9
90	Synthesis of poly(ethylene glycol) functionalized MWNTs and their inclusion complexes with β -cyclodextrin. <i>Journal of Materials Science</i> , 2008, 43, 5609-5617.	3.7	10

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91	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
92	Atom transfer radical polymerization of styrene initiated by bromoacetylated syndiotactic polystyrene macroinitiator. Polymer International, 2007, 56, 976-983.	3.1	5