

Qing-quan Liu

List of Publications by Year in descending order

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1,987
citations

236833

25
h-index

315616

38
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100
all docs

100
docs citations

100
times ranked

2337
citing authors

#	ARTICLE	IF	CITATIONS
1	Uniform poly(phosphazene-triazine) porous microspheres for highly efficient iodine removal. <i>Chemical Communications</i> , 2018, 54, 8450-8453.	2.2	101
2	Design, preparation and application of conjugated microporous polymers. <i>Polymer International</i> , 2014, 63, 381-392.	1.6	97
3	Converting Pomelo Peel into Eco-friendly and Low-Consumption Photothermic Biomass Sponge toward Multifunctional Solar-to-Heat Conversion. <i>ACS Sustainable Chemistry and Engineering</i> , 2020, 8, 5328-5337.	3.2	79
4	A Novel Linear-Hyperbranched Multiblock Polyethylene Produced from Ethylene Monomer Alone via Chain Walking and Chain Shuttling Polymerization. <i>Macromolecules</i> , 2009, 42, 1834-1837.	2.2	78
5	Design, preparation, and application of ordered porous polymer materials. <i>Materials Chemistry and Physics</i> , 2014, 144, 213-225.	2.0	62
6	Templated preparation of porous magnetic microspheres and their application in removal of cationic dyes from wastewater. <i>Journal of Hazardous Materials</i> , 2010, 181, 586-592.	6.5	55
7	Synthesis of stable metal-containing porous organic polymers for gas storage. <i>European Polymer Journal</i> , 2017, 91, 242-247.	2.6	52
8	Covalent functionalization of graphene with poly(methyl methacrylate) by atom transfer radical polymerization at room temperature. <i>Polymer Chemistry</i> , 2012, 3, 2768.	1.9	50
9	Effect of Chemical Cross-linking on Properties of Gelatin/Hyaluronic Acid Composite Hydrogels. <i>Polymer-Plastics Technology and Engineering</i> , 2013, 52, 45-50.	1.9	50
10	A hyper-cross-linked polystyrene with nano-pore structure. <i>European Polymer Journal</i> , 2008, 44, 2516-2522.	2.6	48
11	Hypercrosslinked polystyrene microspheres with bimodal pore size distribution and controllable macroporosity. <i>Journal of Applied Polymer Science</i> , 2010, 116, 84-92.	1.3	47
12	Fabrication and Physical Properties of Gelatin/Sodium Alginate/Hyaluronic Acid Composite Wound Dressing Hydrogel. <i>Journal of Macromolecular Science - Pure and Applied Chemistry</i> , 2014, 51, 318-325.	1.2	43
13	Novel ferrocene-based nanoporous organic polymers for clean energy application. <i>RSC Advances</i> , 2015, 5, 8933-8937.	1.7	40
14	Naphthalimide-Based Aggregation-Induced Emissive Polymeric Hydrogels for Fluorescent Pattern Switch and Biomimetic Actuators. <i>Macromolecular Rapid Communications</i> , 2020, 41, e2000123.	2.0	37
15	Modulating Carrier Transfer over Carbazolic Conjugated Microporous Polymers via Donor Structural Design for Functionalization of Thiophenols. <i>ACS Applied Materials & Interfaces</i> , 2021, 13, 60072-60083.	4.0	36
16	Multifunctional CNTs-PAA/MIL101(Fe)@Pt Composite Membrane for High-throughput Oily Wastewater Remediation. <i>Journal of Hazardous Materials</i> , 2021, 403, 123547.	6.5	35
17	Research progress in macroporous styrene-divinylbenzene co-polymer microspheres. <i>Designed Monomers and Polymers</i> , 2007, 10, 405-423.	0.7	34
18	Ferrocene-Based Conjugated Microporous Polymers Derived from Yamamoto Coupling for Gas Storage and Dye Removal. <i>Polymers</i> , 2020, 12, 719.	2.0	33

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19	Electrochemical Behaviors and Anion Recognition of Ferrocene Modified Hyperbranched Polyether. <i>Macromolecules</i> , 2009, 42, 4500-4510.	2.2	32
20	Controlled release in vitro of icariin from gelatin/hyaluronic acid composite microspheres. <i>Polymer Bulletin</i> , 2016, 73, 1055-1066.	1.7	31
21	Monodisperse Polystyrene Nanospheres with Ultrahigh Surface Area: Application for Hydrogen Storage. <i>Macromolecular Chemistry and Physics</i> , 2010, 211, 1012-1017.	1.1	29
22	Design and synthesis of conjugated polymers of tunable pore size distribution. <i>Materials Chemistry and Physics</i> , 2017, 186, 11-18.	2.0	28
23	Microwave-assisted rapid synthesis and activation of ultrathin trimetal-organic framework nanosheets for efficient electrocatalytic oxygen evolution. <i>Journal of Colloid and Interface Science</i> , 2021, 603, 148-156.	5.0	28
24	In vitro degradation behaviors of Poly-L-lactide/bioactive glass composite materials in phosphate-buffered solution. <i>Polymer Bulletin</i> , 2009, 63, 575-586.	1.7	26
25	Synthesis of novel ferrocene-based conjugated microporous polymers with intrinsic magnetism. <i>European Polymer Journal</i> , 2017, 93, 556-560.	2.6	26
26	Integrating Photorewritable Fluorescent Information in Shape-Memory Organohydrogel Toward Dual Encryption. <i>Advanced Optical Materials</i> , 2022, 10, .	3.6	26
27	Unexpected Behavior of 1-Chlorodecane as a Novel Porogen in the Preparation of High-Porosity Poly(divinylbenzene) Microspheres. <i>Journal of Physical Chemistry C</i> , 2008, 112, 13171-13174.	1.5	25
28	Research progress on the preparation and application of monodisperse cationic polymer latex particles. <i>Polymer International</i> , 2012, 61, 1593-1602.	1.6	24
29	A facile one-step synthesis of fluorescent silicon quantum dots and their application for detecting Cu ²⁺ . <i>RSC Advances</i> , 2016, 6, 14465-14467.	1.7	24
30	Preparation and Properties of Novel Maleated Poly (D, L-lactide-co-glycolide) Porous Scaffolds for Tissue Engineering. <i>Journal of Macromolecular Science - Physics</i> , 2017, 56, 505-515.	0.4	23
31	Synthesis and characterization of novel maleated poly(d,l-lactide-co-glycolide) by direct melt copolymerization. <i>Polymer Bulletin</i> , 2015, 72, 1531-1543.	1.7	22
32	Effect of Surface Modification of Bioactive Glass on Properties of Poly-L-lactide Composite Materials. <i>Journal of Macromolecular Science - Physics</i> , 2012, 51, 1637-1646.	0.4	21
33	Biological Assessment <i>In-Vivo</i> of Gel-HA Scaffold Materials Containing Nano-Bioactive Glass for Tissue Engineering. <i>Journal of Macromolecular Science - Pure and Applied Chemistry</i> , 2014, 51, 572-576.	1.2	21
34	Preparation of gelatin/hyaluronic acid microspheres with different morphologies for drug delivery. <i>Polymer Bulletin</i> , 2015, 72, 713-723.	1.7	19
35	Ferrocenyl building block constructing porous organic polymer for gas capture and methyl violet adsorption. <i>Journal of Central South University</i> , 2020, 27, 1247-1261.	1.2	19
36	Preparation and Characterization of Hyaluronic Acid Hydrogel Blends with Gelatin. <i>Journal of Macromolecular Science - Physics</i> , 2012, 51, 2392-2400.	0.4	18

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37	Influence of Nano-Bioactive Glass (NBG) Content on Properties of Gelatin-Hyaluronic Acid/NBG Composite Scaffolds. <i>Journal of Macromolecular Science - Physics</i> , 2014, 53, 1145-1155.	0.4	18
38	Hypercrosslinked polystyrene microspheres with ultrahigh surface area and their application in gas storage. <i>Materials Chemistry and Physics</i> , 2017, 199, 616-622.	2.0	18
39	Effect of pore structure on the adsorption capacities to different sizes of adsorbates by ferrocene-based conjugated microporous polymers. <i>Polymer</i> , 2021, 233, 124192.	1.8	18
40	Controllable Preparation of Monodisperse Polystyrene Microspheres with Different Sizes by Dispersion Polymerization. <i>Macromolecular Symposia</i> , 2008, 261, 113-120.	0.4	17
41	Dually Decorated Na ₃ V ₂ (PO ₄) ₂ F ₃ by Carbon and 3D Graphene as Cathode Material for Sodium-ion Batteries with High Energy and Power Densities. <i>ChemElectroChem</i> , 2020, 7, 3975-3983.	1.7	17
42	Influence of Degradation of Poly-L-lactide on Mass Loss, Mechanical Properties, and Crystallinity in Phosphate-Buffered Solution. <i>Journal of Macromolecular Science - Physics</i> , 2009, 48, 309-317.	0.4	16
43	Morphological and Functional Expression of Fibroblast on Poly(lactide-co-glycolide)/ ¹²⁵ I-Tricalcium Phosphate/Nature Bone. <i>International Journal of Polymeric Materials and Polymeric Biomaterials</i> , 2012, 61, 643-653.	1.8	16
44	Micro/nano-structured Ag coated VPO ₄ /C as a high-performance anode material for lithium-ion batteries. <i>Materials Letters</i> , 2019, 246, 40-44.	1.3	16
45	Isothermal crystallization and melting behaviors of nano TiO ₂ -modified polypropylene/polyamide 6 blends. <i>Polymer Composites</i> , 2012, 33, 1054-1063.	2.3	15
46	Promoting charge separation in donor-acceptor conjugated microporous polymers via cyanation for the photocatalytic reductive dehalogenation of chlorides. <i>Catalysis Science and Technology</i> , 2021, 11, 7151-7159.	2.1	15
47	Preparation and characterization of crosslinked polymer beads with tunable pore morphology. <i>Journal of Applied Polymer Science</i> , 2011, 121, 654-659.	1.3	14
48	Biological Assessment of Composite Materials Based on Poly-L-lactide and Bovine Bone. <i>International Journal of Polymeric Materials and Polymeric Biomaterials</i> , 2013, 62, 81-84.	1.8	14
49	Preparation of collagen fiber/CaCO ₃ hybrid materials and their applications in synthetic paper. <i>Fibers and Polymers</i> , 2014, 15, 519-524.	1.1	14
50	Conversion of HBr to Br ₂ in the flue gas from the combustion of waste printed circuit boards in post-combustion area. <i>Journal of Cleaner Production</i> , 2017, 161, 239-244.	4.6	14
51	Cytocompatibility of Poly(L-lactide-co-glycolide) Porous Scaffold Materials for Tissue Engineering. <i>International Journal of Polymeric Materials and Polymeric Biomaterials</i> , 2008, 57, 1026-1035.	1.8	13
52	Study on Controlled Release of 5-Fluorouracil from Gelatin/Chitosan Microspheres. <i>Journal of Macromolecular Science - Pure and Applied Chemistry</i> , 2012, 49, 1030-1034.	1.2	13
53	Fabrication and Characterization of Gelatin/Chitosan Microspheres for Drug Release. <i>Journal of Macromolecular Science - Physics</i> , 2012, 51, 777-785.	0.4	13
54	Synthesis of fluorescent carbon nanoparticles grafted with polystyrene and their fluorescent fibers processed by electrospinning. <i>RSC Advances</i> , 2014, 4, 57683-57690.	1.7	13

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55	CrPO ₄ /C composite as a novel anode material for lithium-ion batteries. <i>Journal of Power Sources</i> , 2019, 441, 227180.	4.0	13
56	The influence of crosslinking density on the pore morphology of copolymer beads prepared with a novel pore-forming agent. <i>Materials Chemistry and Physics</i> , 2011, 125, 315-318.	2.0	12
57	Structural effects of highly π -conjugated mesogenic Schiff-base moiety on the cationic polymerization of benzoxazine and formation of ordered morphologies. <i>Reactive and Functional Polymers</i> , 2018, 124, 139-148.	2.0	12
58	A Novel Route to Treat Wastewater Containing Cationic Dyes. <i>Separation Science and Technology</i> , 2012, 47, 630-635.	1.3	11
59	Mechanical and Antibacterial Properties of Polypropylene/Polyamide 6 Blends-TiO ₂ Nanocomposites. <i>Polymer-Plastics Technology and Engineering</i> , 2012, 51, 849-853.	1.9	11
60	Evaluation of Biological Properties In-Vivo of Poly(L-Lactide-Coglycolide) Composites Containing Bioactive Glass. <i>Polymers and Polymer Composites</i> , 2013, 21, 79-84.	1.0	11
61	Preparation of Thermal and pH Dually Sensitive Polyurethane Membranes and Their Properties. <i>Journal of Macromolecular Science - Physics</i> , 2014, 53, 398-411.	0.4	11
62	Preparation and Properties of Polyurethane Hydrogels Based on Methylene Diphenyl Diisocyanate/Polycaprolactone-Polyethylene Glycol. <i>Journal of Macromolecular Science - Physics</i> , 2016, 55, 839-848.	0.4	11
63	The controllable construction and properties characterization of organic-inorganic hybrid materials based on benzoxazine-bridged polysilsesquioxanes. <i>RSC Advances</i> , 2017, 7, 3136-3144.	1.7	11
64	Spiropyran-modified silicon quantum dots with reversibly switchable photoluminescence. <i>Journal of Nanoparticle Research</i> , 2017, 19, 1.	0.8	11
65	The Spherical Cleavage Behavior of Polydivinylbenzene during Suspension Polymerization. <i>Designed Monomers and Polymers</i> , 2010, 13, 369-375.	0.7	10
66	Characterization of Biocompatible Scaffolds Based on Gelatin and Hyaluronic Acid for Fibroblasts Culture. <i>Polymers and Polymer Composites</i> , 2012, 20, 791-796.	1.0	10
67	A Comparative Study of Preparation of Porous Poly(L-lactide) Scaffolds Using NaHCO ₃ and NaCl as Porogen Materials. <i>Journal of Macromolecular Science - Physics</i> , 2008, 47, 667-674.	0.4	9
68	Preparation of poly(divinylbenzene) microspheres with controllable pore structure using poly(propylene)/toluene as coporogen. <i>Journal of Applied Polymer Science</i> , 2009, 113, 2997-3004.	1.3	9
69	Influences of Molecular Weight and Content of Polyethylene Glycol on Morphology and Size of Nano-Bioactive Glass. <i>Journal of Macromolecular Science - Pure and Applied Chemistry</i> , 2014, 51, 522-527.	1.2	9
70	Preparation of Conductive Polyaniline/Functionalized Titanium Dioxide Nanocomposites via Graft Polymerization. <i>Journal of Macromolecular Science - Pure and Applied Chemistry</i> , 2012, 49, 149-153.	1.2	8
71	Covalent Functionalization of Silica Nanoparticle with Poly(glycidyl methacrylate) <i>via</i> ATRP at Ambient Temperature. <i>Journal of Macromolecular Science - Pure and Applied Chemistry</i> , 2013, 50, 25-28.	1.2	8
72	A Novel Branched-Hyperbranched Block Polyolefin Produced via Chain Shuttling Polymerization from Ethylene Alone. <i>Polymer-Plastics Technology and Engineering</i> , 2014, 53, 1832-1837.	1.9	8

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73	Regeneration Research of Porous Magnetic Microspheres during Treatment of Wastewater Containing Cationic Dyes. <i>Separation Science and Technology</i> , 2010, 45, 2345-2349.	1.3	7
74	Preparation of Monodisperse Cationic Microspheres by Dispersion Polymerization of Styrene and a Cation-Charged Monomer in the Absence of a Stabilizer. <i>Journal of Macromolecular Science - Pure and Applied Chemistry</i> , 2011, 48, 518-525.	1.2	7
75	Fabrication and Properties of Gelatin/Chitosan Microspheres Loaded with 5-Fluorouracil. <i>Journal of Macromolecular Science - Physics</i> , 2013, 52, 973-983.	0.4	7
76	Biocompatibility <i>In-vitro</i> of Gel/HA Composite Scaffolds Containing Nano-Bioactive Glass for Tissue Engineering. <i>Journal of Macromolecular Science - Pure and Applied Chemistry</i> , 2013, 50, 1048-1053.	1.2	7
77	Mechanical properties and nonisothermal crystallization kinetics of polyamide 6/functionalized TiO ₂ nanocomposites. <i>Polymer Composites</i> , 2014, 35, 294-300.	2.3	7
78	A Novel Route to Prepare Cationic Polystyrene Latex Particles with Monodispersity. <i>Journal of Macromolecular Science - Pure and Applied Chemistry</i> , 2014, 51, 271-278.	1.2	7
79	Preparation and Properties of 2, 4-Isocyanic Acid Methyl Ester/Poly(μ -caprolactone)/Diethylene Glycol Hydrogels. <i>Journal of Macromolecular Science - Physics</i> , 2017, 56, 245-253.	0.4	6
80	Synthesis of Low Isotactic Polypropylene Using MgCl ₂ /AlCl ₃ -supported Ziegler-Natta Catalysts Prepared Using the One-Pot Milling Method. <i>Designed Monomers and Polymers</i> , 2008, 11, 139-145.	0.7	5
81	A facile route to synthesis of superparamagnetic Fe ₃ O ₄ @PDVB nanoworms. <i>Materials Letters</i> , 2009, 63, 2625-2627.	1.3	5
82	A simple route to prepare pomegranate-like polystyrene-based microspheres with high porosity. <i>Polymer International</i> , 2011, 60, 1287-1290.	1.6	5
83	Functional block copolymers from controlled radical and ring opening polymerization. <i>Polymer Science - Series B</i> , 2015, 57, 387-394.	0.3	5
84	Improving the stereocomplexation and toughness of poly(L-lactic) Tj ETQq0 0 0 rgBT /Overlock 10 Tf 50 312 Td (acid)/poly(methacrylate) terpolymer. <i>Journal of Macromolecular Science - Pure and Applied Chemistry</i> , 2021, 58, 419-430.	1.2	4
85	Multicolor Fluorescent Polymeric Actuator with Self-Sustained Oscillation Behavior. <i>Macromolecular Materials and Engineering</i> , 2021, 306, 2000781.	1.7	4
86	Understanding the crystallization process of a diketopyrrolopyrrole-based conjugated polymer in blend films. <i>Journal of Polymer Science</i> , 2021, 59, 925-934.	2.0	4
87	A novel strategy to improve gas capture performance of metal-free azo-bridged porphyrin porous organic polymers: The design of traps. <i>European Polymer Journal</i> , 2022, 175, 111359.	2.6	4
88	Recent research progress in influence of the ansa-zirconocene catalytic system on the polypropylene microstructure. <i>Designed Monomers and Polymers</i> , 2007, 10, 281-295.	0.7	3
89	Propylene Polymerization Catalyzed by rac-Et(Ind) ₂ ZrCl ₂ /Cp ₂ ZrCl ₂ in the Presence of ZnEt ₂ . <i>Designed Monomers and Polymers</i> , 2009, 12, 425-431.	0.7	3
90	The influence of different porogens with halogen substituents on the pore structure of polydivinylbenzene beads. <i>Materials Chemistry and Physics</i> , 2012, 134, 122-126.	2.0	3

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91	Monodisperse cross-linked polystyrene nanospheres by emulsifier-free miniemulsion polymerization. <i>E-Polymers</i> , 2015, 15, 263-270.	1.3	3
92	Preparation of organic/inorganic hybrid nanomaterials using aggregates of star block copolymer consisting of poly(stearyl methacrylate) and poly(3-trimethoxysilyl) propyl methacrylate) as precursor. <i>Journal of Applied Polymer Science</i> , 2008, 108, 2010-2016.	1.3	2
93	Biocompatibility In-vivo of Poly-L-lactide and Bioactive Glass Composite Substitute for Internal Fracture Fixation. <i>Polymers and Polymer Composites</i> , 2011, 19, 797-802.	1.0	2
94	Removal of Methyl Violet and Cationic Gold Yellow from Aqueous with Porous Magnetic Polymer Microspheres and Its Adsorption Kinetics. <i>Polymers and Polymer Composites</i> , 2014, 22, 809-816.	1.0	2
95	Macroporous polymer beads derived from a novel coporogen of polyethylene/dichlorobenzene. <i>E-Polymers</i> , 2017, 17, 275-282.	1.3	2
96	N-isopropylacrylamide and spiropyran copolymer-grafted fluorescent carbon nanoparticles with dual responses to light and temperature stimuli. <i>Polymer Journal</i> , 2020, 52, 1289-1298.	1.3	2
97	Facile Synthesis of Microporous Ferrocenyl Polymers Photocatalyst for Degradation of Cationic Dye. <i>Polymers</i> , 2022, 14, 1900.	2.0	2
98	Influence of Pentaerythritol Tetraacrylate Crosslinker on Polycarboxylate Superplasticizer Performance in Cementitious System. <i>Materials</i> , 2022, 15, 1524.	1.3	1
99	The preparation and characterization of high-performance mesoporous carbon from a highly Γ -conjugated polybenzoxazine precursor. <i>New Journal of Chemistry</i> , 2021, 45, 8022-8031.	1.4	0