

Bang-Jing Li

List of Publications by Year in descending order

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Version: 2024-02-01

86
papers

3,440
citations

109137

35
h-index

143772

57
g-index

96
all docs

96
docs citations

96
times ranked

4454
citing authors

#	ARTICLE	IF	CITATIONS
1	pH-Induced Shape-Memory Polymers. <i>Macromolecular Rapid Communications</i> , 2012, 33, 1055-1060.	2.0	250
2	Organocatalytic and Highly Stereoselective Direct Vinylogous Mannich Reaction. <i>Journal of the American Chemical Society</i> , 2007, 129, 1878-1879.	6.6	175
3	Conductive Elastomers with Autonomic Self-Healing Properties. <i>Angewandte Chemie - International Edition</i> , 2015, 54, 12127-12133.	7.2	145
4	Enantioselective construction of quaternary carbon centre catalysed by bifunctional organocatalyst. <i>Organic and Biomolecular Chemistry</i> , 2006, 4, 2097.	1.5	144
5	Organocatalytic asymmetric Friedel-Crafts alkylation/cascade reactions of naphthols and nitroolefins. <i>Chemical Communications</i> , 2007, , 2228-2230.	2.2	129
6	Light-, pH- and thermal-responsive hydrogels with the triple-shape memory effect. <i>Chemical Communications</i> , 2016, 52, 10609-10612.	2.2	129
7	Shape Memory Polymers Based on Supramolecular Interactions. <i>ACS Applied Materials & Interfaces</i> , 2017, 9, 20276-20293.	4.0	120
8	Effective Formaldehyde Capture by Green Cyclodextrin-Based Metal-Organic Framework. <i>ACS Applied Materials & Interfaces</i> , 2018, 10, 42-46.	4.0	107
9	Unexpected Ring-Opening Reactions of Aziridines with Aldehydes Catalyzed by Nucleophilic Carbenes under Aerobic Conditions. <i>Organic Letters</i> , 2006, 8, 1521-1524.	2.4	91
10	Stimuli-induced gel-sol transition of multi-sensitive supramolecular β -cyclodextrin grafted alginate/ferrocene modified pluronic hydrogel. <i>Soft Matter</i> , 2012, 8, 5746.	1.2	86
11	Reactive Oxygen Species and Glutathione Dual Redox-Responsive Supramolecular Assemblies with Controllable Release Capability. <i>ACS Applied Materials & Interfaces</i> , 2017, 9, 4475-4484.	4.0	86
12	Enantioselective Michael Addition of β -Substituted Cyanoacetates to Vinyl Ketones Catalyzed by Bifunctional Organocatalysts. <i>Chemistry - A European Journal</i> , 2007, 13, 319-327.	1.7	77
13	Nanoassemblies driven by cyclodextrin-based inclusion complexation. <i>Chemical Communications</i> , 2014, 50, 11083-11092.	2.2	73
14	Amino-Functionalized β -Cyclodextrin to Construct Green Metal-Organic Framework Materials for CO ₂ Capture. <i>ACS Applied Materials & Interfaces</i> , 2020, 12, 3032-3041.	4.0	72
15	Redox- and Glucose-Induced Shape-Memory Polymers. <i>Macromolecular Rapid Communications</i> , 2013, 34, 867-872.	2.0	68
16	Tough Self-Healing Elastomers Based on the Host-Guest Interaction of Polycyclodextrin. <i>ACS Applied Materials & Interfaces</i> , 2019, 11, 12105-12113.	4.0	66
17	The Design and Synthesis of Bis(thiourea) Ligands and Their Application in Pd-Catalyzed Heck and Suzuki Reactions Under Aerobic Conditions. <i>European Journal of Organic Chemistry</i> , 2006, 2006, 1177-1184.	1.2	58
18	Super Tough, Ultrastretchable Hydrogel with Multistimuli Responsiveness. <i>ACS Applied Materials & Interfaces</i> , 2018, 10, 15021-15029.	4.0	54

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19	pH- and Thermal-Responsive Multishape Memory Hydrogel. ACS Applied Materials & Interfaces, 2016, 8, 27432-27437.	4.0	53
20	Dual-Stimuli-Responsive Nanoassemblies as Tunable Releasing Carriers. ACS Macro Letters, 2015, 4, 543-547.	2.3	52
21	Green flame-retardant flexible polyurethane foam based on cyclodextrin. Polymer Degradation and Stability, 2020, 178, 109171.	2.7	52
22	Facile Fabrication of an AIE-Active Metal-Organic Framework for Sensitive Detection of Explosives in Liquid and Solid Phases. ACS Applied Materials & Interfaces, 2020, 12, 55299-55307.	4.0	51
23	Semi-permeable nanocapsules of konjac glucomannan-chitosan for enzyme immobilization. International Journal of Pharmaceutics, 2008, 364, 102-107.	2.6	50
24	Self-assembly hollow nanosphere for enzyme encapsulation. Soft Matter, 2010, 6, 1405.	1.2	47
25	Cross-stacking aligned non-woven fabrics with automatic self-healing properties for electromagnetic interference shielding. Carbon, 2020, 162, 445-454.	5.4	47
26	An efficient multiple healing conductive composite via host-guest inclusion. Chemical Communications, 2015, 51, 6377-6380.	2.2	45
27	Functional materials with self-healing properties: a review. Soft Matter, 2019, 15, 6615-6625.	1.2	43
28	β -Cyclodextrin based air filter for high-efficiency filtration of pollution sources. Journal of Hazardous Materials, 2019, 373, 197-203.	6.5	43
29	Minor Iridoids from the Roots of <i>Valeriana wallichii</i> . Journal of Natural Products, 2008, 71, 1254-1257.	1.5	39
30	Semi-IPNs with Moisture-Triggered Shape Memory and Self-Healing Properties. Macromolecular Rapid Communications, 2017, 38, 1700149.	2.0	38
31	A Tri-Stimuli-Responsive Shape-Memory Material Using Host-Guest Interactions as Molecular Switches. Macromolecular Rapid Communications, 2016, 37, 433-438.	2.0	37
32	Asymmetric Michael Addition of Arylthiols to α,β -Unsaturated Carbonyl Compounds Catalyzed by Bifunctional Organocatalysts. Synlett, 2005, 2005, 603-606.	1.0	36
33	Supramolecular Network Based on the Self-Assembly of β -Cyclodextrin with Poly(ethylene Terephthalate) Overlaid	2.0	36
34	Hollow Nanospheres Based on the Self-Assembly of Alginate-graft-poly(ethylene glycol) and β -Cyclodextrin. Langmuir, 2011, 27, 14401-14407.	1.6	36
35	pH-responsive dendritic polyrotaxane drug-polymer conjugates forming nanoparticles as efficient drug delivery system for cancer therapy. Polymer Chemistry, 2015, 6, 2098-2107.	1.9	36
36	Self-assembly of carboxymethyl konjac glucomannan-g-poly(ethylene glycol) and β -cyclodextrin to biocompatible hollow nanospheres for glucose oxidase encapsulation. Carbohydrate Polymers, 2011, 86, 120-126.	5.1	35

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37	Self-aggregates of cholesterol-modified carboxymethyl konjac glucomannan conjugate: Preparation, characterization, and preliminary assessment as a carrier of etoposide. <i>Carbohydrate Polymers</i> , 2011, 86, 513-519.	5.1	34
38	Facile stabilization of a cyclodextrin metal-organic framework under humid environment <i>via</i> hydrogen sulfide treatment. <i>RSC Advances</i> , 2019, 9, 18271-18276.	1.7	34
39	A reversible functional supramolecular material formed by host-guest inclusion. <i>Polymer Chemistry</i> , 2014, 5, 2922-2927.	1.9	33
40	A three-dimensional graphene oxide supramolecular hydrogel for infrared light-responsive cascade release of two anticancer drugs. <i>Chemical Communications</i> , 2016, 52, 14384-14387.	2.2	32
41	Self-assembly of β -cyclodextrin and pluronic into hollow nanospheres in aqueous solution. <i>Journal of Colloid and Interface Science</i> , 2010, 350, 447-452.	5.0	30
42	Preparation and characterization of a poly(ethylene glycol) grafted carboxymethyl konjac glucomannan copolymer. <i>Carbohydrate Polymers</i> , 2010, 79, 648-654.	5.1	29
43	Cyclodextrin-Based Microcapsules as Bioreactors for ATP Biosynthesis. <i>Biomacromolecules</i> , 2013, 14, 2984-2988.	2.6	29
44	Electromagnetic Wave Absorption Coating Material with Self-Healing Properties. <i>Macromolecular Rapid Communications</i> , 2017, 38, 1700447.	2.0	29
45	pH-responsive polymer-drug conjugates as multifunctional micelles for cancer-drug delivery. <i>Nanotechnology</i> , 2014, 25, 335101.	1.3	28
46	Degradable hollow spheres based on self-assembly inclusion. <i>Chemical Communications</i> , 2010, 46, 643-645.	2.2	27
47	Multi-stimuli-responsive magnetic assemblies as tunable releasing carriers. <i>Journal of Materials Chemistry B</i> , 2015, 3, 6026-6031.	2.9	26
48	Cyclodextrin self-assembled graphene oxide aerogel microspheres as broad-spectrum adsorbent for removing dyes and organic micropollutants from water. <i>Journal of Environmental Chemical Engineering</i> , 2021, 9, 104749.	3.3	25
49	Ultrahigh Carbon Dioxide-Selective Composite Membrane Containing a β -CD-MOF Layer. <i>ACS Applied Materials & Interfaces</i> , 2021, 13, 13034-13043.	4.0	24
50	Leeches-Inspired Hydrogel-Elastomer Integration Materials. <i>ACS Applied Materials & Interfaces</i> , 2018, 10, 40238-40245.	4.0	22
51	Self-Assembly Pluronic and β -Cyclodextrin to Hollow Nanospheres for Enhanced Gene Delivery. <i>Macromolecular Rapid Communications</i> , 2011, 32, 1533-1538.	2.0	20
52	Recent Advances of Porous Materials Based on Cyclodextrin. <i>Macromolecular Rapid Communications</i> , 2021, 42, e2100497.	2.0	19
53	Self-Assembly of Rod-Coil Polyethylenimine-Poly(ethylene glycol)- β -Cyclodextrin Inclusion Complexes into Hollow Spheres and Rod-Like Particles. <i>Macromolecular Rapid Communications</i> , 2011, 32, 1965-1971.	2.0	18
54	pH and glutathione dual-triggered supramolecular assemblies as synergistic and controlled drug release carriers. <i>Polymer Chemistry</i> , 2017, 8, 7260-7270.	1.9	18

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55	Effects of solvent, casting temperature, and guest/host stoichiometries on the properties of shape memory material based on partial β -CD α -PEG inclusion complex. <i>Journal of Polymer Science, Part B: Polymer Physics</i> , 2010, 48, 951-957.	2.4	17
56	Encapsulation studies and selective membrane permeability properties of self-assembly hollow nanospheres. <i>Soft Matter</i> , 2011, 7, 1018-1024.	1.2	17
57	Vesicular gold assemblies based on host α -guest inclusion and its controllable release of doxorubicin. <i>Nanotechnology</i> , 2013, 24, 495103.	1.3	17
58	UV α -Blocking Coating with Self α -Healing Capacity. <i>Macromolecular Chemistry and Physics</i> , 2017, 218, 1700213.	1.1	14
59	Poly (vinyl alcohol)/ β -2-Cyclodextrin Composite Fiber with Good Flame Retardant and Super-Smoke Suppression Properties. <i>Polymers</i> , 2020, 12, 1078.	2.0	13
60	The Deeply Understanding of the Self α -Healing Mechanism for Self α -Healing Behavior of Supramolecular Materials Based on Cyclodextrin α -Guest Interactions. <i>Macromolecular Chemistry and Physics</i> , 2017, 218, 1600593.	1.1	12
61	Hierarchical porous carbon derived from green cyclodextrin α -metal α -organic α framework and its application in microwave absorption. <i>Journal of Applied Polymer Science</i> , 2021, 138, 50849.	1.3	12
62	Enzymatic Degradation of Supramolecular Materials Based on Partial Inclusion Complex Formation between β -Cyclodextrin and Poly(μ -caprolactone). <i>Journal of Physical Chemistry B</i> , 2010, 114, 4739-4745.	1.2	11
63	pH α -Switchable Macroscopic Assembly through Host α -Guest Inclusion. <i>Macromolecular Rapid Communications</i> , 2013, 34, 1174-1180.	2.0	11
64	Development and characterization of a nanodendritic silver-based solid-phase extraction sorbent for selective enrichment of endocrine-disrupting chemicals in water and milk samples. <i>Analytica Chimica Acta</i> , 2015, 900, 76-82.	2.6	11
65	Photoreversible Polymer α -Surfactant Micelles Using the Molecular Recognition of β -Cyclodextrin. <i>Langmuir</i> , 2013, 29, 3188-3194.	1.6	10
66	Preparation of thermosensitive polymer magnetic particles and their application in protein separations. <i>Journal of Colloid and Interface Science</i> , 2014, 435, 99-104.	5.0	10
67	MOF-layer composite polyurethane membrane increasing both selectivity and permeability: Pushing commercial rubbery polymer membranes to be attractive for CO ₂ separation. <i>Separation and Purification Technology</i> , 2022, 297, 121452.	3.9	10
68	Reusable Xerogel Containing Quantum Dots with High Fluorescence Retention. <i>Polymers</i> , 2018, 10, 310.	2.0	9
69	Synthesis of biocompatible hybrid magnetic hollow spheres based on encapsulation strategy. <i>Carbohydrate Polymers</i> , 2013, 92, 523-528.	5.1	8
70	Hierarchically and wood-like cyclodextrin aerogels with enhanced thermal insulation and wide spectrum acoustic absorption. <i>Chemical Engineering Journal</i> , 2022, 446, 137280.	6.6	7
71	Evaluation of Rod α -Shaped Nanoparticles as Carriers for Gene Delivery. <i>Particle and Particle Systems Characterization</i> , 2014, 31, 994-1000.	1.2	6
72	Tough double-network elastomers with slip-rings. <i>Polymer Chemistry</i> , 2021, 12, 3142-3152.	1.9	6

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73	Supramolecular assembly of cyclodextrin-based nanospheres for gene delivery. <i>Journal of Controlled Release</i> , 2011, 152, e141-e142.	4.8	5
74	Multiresponsive Reversible Deformation of Patterned Polyacrylamide Hydrogel Constructed by a Computer-Assisted Dispenser. <i>ACS Applied Polymer Materials</i> , 2019, 1, 1187-1194.	2.0	5
75	Layer-by-layer self-assembled films for building magnetically driven walking devices. <i>Journal of Materials Chemistry C</i> , 2014, 2, 6723-6726.	2.7	3
76	β-Cyclodextrin-Modified Polyacrylonitrile Nanofibrous Scaffolds with Breathability, Moisture-Wicking, and Antistatic Performance. <i>Industrial & Engineering Chemistry Research</i> , 2021, 60, 10217-10224.	1.8	3
77	A Tough Self-Healing Elastomer with a Slip-Ring Structure. <i>Industrial & Engineering Chemistry Research</i> , 2021, 60, 251-262.	1.8	2
78	Green Synthesis of Indeno[1,2-b]quinoxalines Using β-Cyclodextrin as Catalyst. <i>Molecules</i> , 2022, 27, 580.	1.7	2
79	Bioinspired Ultra Tear-Resistant Elastomer with a Slidable Double-Network Structure. <i>ACS Applied Materials & Interfaces</i> , 2022, 14, 31424-31434.	4.0	2
80	Self-assembly of chitosan- g -PEG and β-cyclodextrin into hollow spheres in aqueous solution. <i>Journal of Controlled Release</i> , 2011, 152, e204-e205.	4.8	1
81	MyMolDB: A micromolecular database solution with open source and free components. <i>Journal of Computational Chemistry</i> , 2011, 32, 2942-2948.	1.5	1
82	β-Cyclodextrin-Modified Fe ₃ O ₄ for Facile Enantioseparation of 1-(1-Naphthyl)ethylamine. <i>Chemistry - an Asian Journal</i> , 2016, 11, 3513-3519.	1.7	1
83	N-Benzylidene-3-(diphenylphosphino)-1-propanamine. <i>Acta Crystallographica Section E: Structure Reports Online</i> , 2001, 57, o858-o859.	0.2	0
84	Macromol. Rapid Commun. 24/2011. <i>Macromolecular Rapid Communications</i> , 2011, 32, 1938-1938.	2.0	0
85	Cyclodextrins-Based Shape Memory Polymers and Self-Healing Polymers. , 2019, , 1-15.		0
86	Cyclodextrins-Based Shape Memory Polymers and Self-Healing Polymers. , 2020, , 587-600.		0