Bang-Jing Li

List of Publications by Year
in descending order

86 papers	3,440 citations	109321 35 h-index	144013 57 g-index
96 all docs	96 docs citations	96 times ranked	4454 citing authors

#	Article	IF	Citations
1	pHâ€Induced Shapeâ€Memory Polymers. Macromolecular Rapid Communications, 2012, 33, 1055-1060.	3.9	250
2	Organocatalytic and Highly Stereoselective Direct Vinylogous Mannich Reaction. Journal of the American Chemical Society, 2007, 129, 1878-1879.	13.7	175
3	Conductive Elastomers with Autonomic Selfâ€Healing Properties. Angewandte Chemie - International Edition, 2015, 54, 12127-12133.	13.8	145
4	Enantioselective construction of quaternary carbon centre catalysed by bifunctional organocatalyst. Organic and Biomolecular Chemistry, 2006, 4, 2097.	2.8	144
5	Organocatalytic asymmetric Friedelâ€“Crafts alkylation/cascade reactions of naphthols and nitroolefins. Chemical Communications, 2007, , 2228-2230.	4.1	129
6	Light-, pH- and thermal-responsive hydrogels with the triple-shape memory effect. Chemical Communications, 2016, 52, 10609-10612.	4.1	129
7	Shape Memory Polymers Based on Supramolecular Interactions. ACS Applied Materials & Interfaces, 2017, 9, 20276-20293.	8.0	120
8	Effective Formaldehyde Capture by Green Cyclodextrin-Based Metalâ€“Organic Framework. ACS Applied Materials & Interfaces, 2018, 10, 42-46.	8.0	107
9	Unexpected Ring-Opening Reactions of Aziridines with Aldehydes Catalyzed by Nucleophilic Carbenes under Aerobic Conditions. Organic Letters, 2006, 8, 1521-1524.	4.6	91
10	Stimuli-induced gelâ€“sol transition of multi-sensitive supramolecular Î²-cyclodextrin grafted alginate/ferrocene modified pluronic hydrogel. Soft Matter, 2012, 8, 5746.	2.7	86
11	Reactive Oxygen Species and Glutathione Dual Redox-Responsive Supramolecular Assemblies with Controllable Release Capability. ACS Applied Materials & Interfaces, 2017, 9, 4475-4484.	8.0	86
12	Enantioselective Michael Addition of Î±-Substituted Cyanoacetates to Vinyl Ketones Catalyzed by Bifunctional Organocatalysts. Chemistry - A European Journal, 2007, 13, 319-327.	3.3	77
13	Nanoassemblies driven by cyclodextrin-based inclusion complexation. Chemical Communications, 2014, 50, 11083-11092.	4.1	73
14	Amino-Functionalized Î²-Cyclodextrin to Construct Green Metalâ€“Organic Framework Materials for CO₂ Capture. ACS Applied Materials & Interfaces, 2020, 12, 3032-3041.	8.0	72
15	Redoxâ€•and Glucoseâ€Induced Shapeâ€Memory Polymers. Macromolecular Rapid Communications, 2013, 34, 867-872.	3.9	68
16	Tough Self-Healing Elastomers Based on the Hostâ€“Guest Interaction of Polycyclodextrin. ACS Applied Materials & Interfaces, 2019, 11, 12105-12113.	8.0	66
17	The Design and Synthesis of Bis(thiourea) Ligands and Their Application in Pd-Catalyzed Heck and Suzuki Reactions Under Aerobic Conditions. European Journal of Organic Chemistry, 2006, 2006, 1177-1184.	2.4	58
18	Super Tough, Ultrastretchable Hydrogel with Multistimuli Responsiveness. ACS Applied Materials & Interfaces, 2018, 10, 15021-15029.	8.0	54

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19	pH- and Thermal-Responsive Multishape Memory Hydrogel. ACS Applied Materials & Interfaces, 2016, 8, 27432-27437.	8.0	53
20	Dual-Stimuli-Responsive Nanoassemblies as Tunable Releasing Carriers. ACS Macro Letters, 2015, 4, 543-547.	4.8	52
21	Green flame-retardant flexible polyurethane foam based on cyclodextrin. Polymer Degradation and Stability, 2020, 178, 109171.	5.8	52
22	Facile Fabrication of an AIE-Active Metalâ€“Organic Framework for Sensitive Detection of Explosives in Liquid and Solid Phases. ACS Applied Materials & Interfaces, 2020, 12, 55299-55307.	8.0	51
23	Semi-permeable nanocapsules of konjac glucomannanâ€“chitosan for enzyme immobilization. International Journal of Pharmaceutics, 2008, 364, 102-107.	5.2	50
24	Self-assembly hollow nanosphere for enzyme encapsulation. Soft Matter, 2010, 6, 1405.	2.7	47
25	Cross-stacking aligned non-woven fabrics with automatic self-healing properties for electromagnetic interference shielding. Carbon, 2020, 162, 445-454.	10.3	47
26	An efficient multiple healing conductive composite via hostâ€“guest inclusion. Chemical Communications, 2015, 51, 6377-6380.	4.1	45
27	Functional materials with self-healing properties: a review. Soft Matter, 2019, 15, 6615-6625.	2.7	43
28	Î²-Cyclodextrin based air filter for high-efficiency filtration of pollution sources. Journal of Hazardous Materials, 2019, 373, 197-203.	12.4	43
29	Minor Iridoids from the Roots of Valeriana wallichii. Journal of Natural Products, 2008, 71, 1254-1257.	3.0	39
30	Semiâ€IPNs with Moistureâ€Triggered Shape Memory and Selfâ€Healing Properties. Macromolecular Rapid Communications, 2017, 38, 1700149.	3.9	38
31	A Tri-Stimuli-Responsive Shape-Memory Material Using Host-Guest Interactions as Molecular Switches. Macromolecular Rapid Communications, 2016, 37, 433-438.	3.9	37
32	Asymmetric Michael Addition of Arylthiols to Î±,Î²-Unsaturated Carbonyl Compounds Catalyzed by Bifunctional Organocatalysts. Synlett, 2005, 2005, 603-606.	1.8	36
33	Supramolecular Network Based on the Selfâ€Assembly of Î³â€Cyclodextrin with Poly(ethylene) Tj ETQq1 1 0.784314 rgBT /Ove	3.9	36
34	Hollow Nanospheres Based on the Self-Assembly of Alginate-graft-poly(ethylene glycol) and Î±-Cyclodextrin. Langmuir, 2011, 27, 14401-14407.	3.5	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.	3.9	36
36	Self-assembly of carboxymethyl konjac glucomannan-g-poly(ethylene glycol) and (Î±-cyclodextrin) to biocompatible hollow nanospheres for glucose oxidase encapsulation. Carbohydrate Polymers, 2011, 86, 120-126.	10.2	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. Carbohydrate Polymers, 2011, 86, 513-519.	10.2	34
38	Facile stabilization of a cyclodextrin metalâ€“organic framework under humid environment via hydrogen sulfide treatment. RSC Advances, 2019, 9, 18271-18276.	3.6	34
39	A reversible functional supramolecular material formed by hostâ€“guest inclusion. Polymer Chemistry, 2014, 5, 2922-2927.	3.9	33
40	A three-dimensional graphene oxide supramolecular hydrogel for infrared light-responsive cascade release of two anticancer drugs. Chemical Communications, 2016, 52, 14384-14387.	4.1	32
41	Self-assembly of Î²-cyclodextrin and pluronic into hollow nanospheres in aqueous solution. Journal of Colloid and Interface Science, 2010, 350, 447-452.	9.4	30
42	Preparation and characterization of a poly(ethylene glycol) grafted carboxymethyl konjac glucomannan copolymer. Carbohydrate Polymers, 2010, 79, 648-654.	10.2	29
43	Cyclodextrin-Based Microcapsules as Bioreactors for ATP Biosynthesis. Biomacromolecules, 2013, 14, 2984-2988.	5.4	29
44	Electromagnetic Wave Absorption Coating Material with Selfâ€Healing Properties. Macromolecular Rapid Communications, 2017, 38, 1700447.	3.9	29
45	pH-responsive polymerâ€“drug conjugates as multifunctional micelles for cancer-drug delivery. Nanotechnology, 2014, 25, 335101.	2.6	28
46	Degradable hollow spheres based on self-assembly inclusion. Chemical Communications, 2010, 46, 643-645.	4.1	27
47	Multi-stimuli-responsive magnetic assemblies as tunable releasing carriers. Journal of Materials Chemistry B, 2015, 3, 6026-6031.	5.8	26
48	Cyclodextrin self-assembled graphene oxide aerogel microspheres as broad-spectrum adsorbent for removing dyes and organic micropollutants from water. Journal of Environmental Chemical Engineering, 2021, 9, 104749.	6.7	25
49	Ultrahigh Carbon Dioxide-Selective Composite Membrane Containing a Î³-CD-MOF Layer. ACS Applied Materials & Interfaces, 2021, 13, 13034-13043.	8.0	24
50	Leeches-Inspired Hydrogelâ€“Elastomer Integration Materials. ACS Applied Materials & Interfaces, 2018, 10, 40238-40245.	8.0	22
51	Selfâ€Assembly Pluronic and Î²â€Cyclodextrin to Hollow Nanospheres for Enhanced Gene Delivery. Macromolecular Rapid Communications, 2011, 32, 1533-1538.	3.9	20
52	Recent Advances of Porous Materials Based on Cyclodextrin. Macromolecular Rapid Communications, 2021, 42, e2100497.	3.9	19
53	Selfâ€Assembly of Rodâ€“Coil Polyethylenimineâ€“Poly(ethylene glycol)â€“Îºâ€Cyclodextrin Inclusion Complexes into Hollow Spheres and Rodâ€Like Particles. Macromolecular Rapid Communications, 2011, 32, 1965-1971.	3.9	18
54	pH and glutathione dual-triggered supramolecular assemblies as synergistic and controlled drug release carriers. Polymer Chemistry, 2017, 8, 7260-7270.	3.9	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 Î±â€CDâ€PEG inclusion complex. Journal of Polymer Science, Part B: Polymer Physics, 2010, 48, 951-957.	2.1	17
56	Encapsulation studies and selective membrane permeability properties of self-assembly hollow nanospheres. Soft Matter, 2011, 7, 1018-1024.	2.7	17
57	Vesicular gold assemblies based on hostâ€“guest inclusion and its controllable release of doxorubicin. Nanotechnology, 2013, 24, 495103.	2.6	17
58	UVâ€Blocking Coating with Selfâ€Healing Capacity. Macromolecular Chemistry and Physics, 2017, 218, 1700213.	2.2	14
59	Poly (vinyl alcohol)/Î²-Cyclodextrin Composite Fiber with Good Flame Retardant and Super-Smoke Suppression Properties. Polymers, 2020, 12, 1078.	4.5	13
60	The Deeply Understanding of the Selfâ€Healing Mechanism for Selfâ€Healing Behavior of Supramolecular Materials Based on Cyclodextrinâ€“Guest Interactions. Macromolecular Chemistry and Physics, 2017, 218, 1600593.	2.2	12
61	Hierarchical porous carbon derived from green cyclodextrin <scp>metalâ€organic</scp> framework and its application in microwave absorption. Journal of Applied Polymer Science, 2021, 138, 50849.	2.6	12
62	Enzymatic Degradation of Supramolecular Materials Based on Partial Inclusion Complex Formation between Î±-Cyclodextrin and Poly(Îµ-caprolactone). Journal of Physical Chemistry B, 2010, 114, 4739-4745.	2.6	11
63	pHâ€Switchable Macroscopic Assembly through Hostâ€“Guest Inclusion. Macromolecular Rapid Communications, 2013, 34, 1174-1180.	3.9	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. Analytica Chimica Acta, 2015, 900, 76-82.	5.4	11
65	Photoreversible Polymerâ€“Surfactant Micelles Using the Molecular Recognition of Î±-Cyclodextrin. Langmuir, 2013, 29, 3188-3194.	3.5	10
66	Preparation of thermosensitive polymer magnetic particles and their application in protein separations. Journal of Colloid and Interface Science, 2014, 435, 99-104.	9.4	10
67	MOF-layer composite polyurethane membrane increasing both selectivity and permeability: Pushing commercial rubbery polymer membranes to be attractive for CO2 separation. Separation and Purification Technology, 2022, 297, 121452.	7.9	10
68	Reusable Xerogel Containing Quantum Dots with High Fluorescence Retention. Polymers, 2018, 10, 310.	4.5	9
69	Synthesis of biocompatible hybrid magnetic hollow spheres based on encapsulation strategy. Carbohydrate Polymers, 2013, 92, 523-528.	10.2	8
70	Hierarchically and wood-like cyclodextrin aerogels with enhanced thermal insulation and wide spectrum acoustic absorption. Chemical Engineering Journal, 2022, 446, 137280.	12.7	7
71	Evaluation of Rodâ€Shaped Nanoparticles as Carriers for Gene Delivery. Particle and Particle Systems Characterization, 2014, 31, 994-1000.	2.3	6
72	Tough double-network elastomers with slip-rings. Polymer Chemistry, 2021, 12, 3142-3152.	3.9	6

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73	Supramolecular assembly of cyclodextrin-based nanospheres for gene delivery. Journal of Controlled Release, 2011, 152, e141-e142.	9.9	5
74	Multiresponsive Reversible Deformation of Patterned Polyacrylamide Hydrogel Constructed by a Computer-Assisted Dispenser. ACS Applied Polymer Materials, 2019, 1, 1187-1194.	4.4	5
75	Layer-by-layer self-assembled films for building magnetically driven walking devices. Journal of Materials Chemistry C, 2014, 2, 6723-6726.	5.5	3
76	Î²-Cyclodextrin-Modified Polyacrylonitrile Nanofibrous Scaffolds with Breathability, Moisture-Wicking, and Antistatic Performance. Industrial & Engineering Chemistry Research, 2021, 60, 10217-10224.	3.7	3
77	A Tough Self-Healing Elastomer with a Slip-Ring Structure. Industrial & Engineering Chemistry Research, 2021, 60, 251-262.	3.7	2
78	Green Synthesis of Indeno[1,2-b]quinoxalines Using Î²-Cyclodextrin as Catalyst. Molecules, 2022, 27, 580.	3.8	2
79	Bioinspired Ultra Tear-Resistant Elastomer with a Slidable Double-Network Structure. ACS Applied Materials & Interfaces, 2022, 14, 31424-31434.	8.0	2
80	Self-assembly of chitosan- g -PEG and Î± -cyclodextrin into hollow spheres in aqueous solution. Journal of Controlled Release, 2011, 152, e204-e205.	9.9	1
81	MyMolDB: A micromolecular database solution with open source and free components. Journal of Computational Chemistry, 2011, 32, 2942-2948.	3.3	1
82	6â€²TIPSâ€Î²â€Cyclodextrinâ€Modified Fe₃O₄ for Facile Enantioseparation of 1â€(1â€Naphthyl)ethylamine. Chemistry - an Asian Journal, 2016, 11, 3513-3519.	3.3	1
83	N-Benzylidene-3-(diphenylphosphino)-1-propanamine. Acta Crystallographica Section E: Structure Reports Online, 2001, 57, o858-o859.	0.2	0
84	Macromol. Rapid Commun. 24/2011. Macromolecular Rapid Communications, 2011, 32, 1938-1938.	3.9	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