Bang-Jing Li

List of Publications by Year
in descending order

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	Green Synthesis of Indeno[1,2-b]quinoxalines Using Î²-Cyclodextrin as Catalyst. Molecules, 2022, 27, 580.	1.7	2
2	Hierarchically and wood-like cyclodextrin aerogels with enhanced thermal insulation and wide spectrum acoustic absorption. Chemical Engineering Journal, 2022, 446, 137280.	6.6	7
3	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.	3.9	10
4	Bioinspired Ultra Tear-Resistant Elastomer with a Slidable Double-Network Structure. ACS Applied Materials & Interfaces, 2022, 14, 31424-31434.	4.0	2
5	Tough double-network elastomers with slip-rings. Polymer Chemistry, 2021, 12, 3142-3152.	1.9	6
6	Ultrahigh Carbon Dioxide-Selective Composite Membrane Containing a Î³-CD-MOF Layer. ACS Applied Materials & Interfaces, 2021, 13, 13034-13043.	4.0	24
7	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.	1.3	12
8	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.	3.3	25
9	Î²-Cyclodextrin-Modified Polyacrylonitrile Nanofibrous Scaffolds with Breathability, Moisture-Wicking, and Antistatic Performance. Industrial & Engineering Chemistry Research, 2021, 60, 10217-10224.	1.8	3
10	A Tough Self-Healing Elastomer with a Slip-Ring Structure. Industrial & Engineering Chemistry Research, 2021, 60, 251-262.	1.8	2
11	Recent Advances of Porous Materials Based on Cyclodextrin. Macromolecular Rapid Communications, 2021, 42, e2100497.	2.0	19
12	Amino-Functionalized Î²-Cyclodextrin to Construct Green Metalâ€“Organic Framework Materials for CO₂ Capture. ACS Applied Materials & Interfaces, 2020, 12, 3032-3041.	4.0	72
13	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.	4.0	51
14	Poly (vinyl alcohol)/Î²-Cyclodextrin Composite Fiber with Good Flame Retardant and Super-Smoke Suppression Properties. Polymers, 2020, 12, 1078.	2.0	13
15	Cross-stacking aligned non-woven fabrics with automatic self-healing properties for electromagnetic interference shielding. Carbon, 2020, 162, 445-454.	5.4	47
16	Green flame-retardant flexible polyurethane foam based on cyclodextrin. Polymer Degradation and Stability, 2020, 178, 109171.	2.7	52
17	Cyclodextrins-Based Shape Memory Polymers and Self-Healing Polymers. , 2020, , 587-600.		0
18	Functional materials with self-healing properties: a review. Soft Matter, 2019, 15, 6615-6625.	1.2	43

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19	Facile stabilization of a cyclodextrin metalâ€“organic framework under humid environment via hydrogen sulfide treatment. RSC Advances, 2019, 9, 18271-18276.	1.7	34
20	Tough Self-Healing Elastomers Based on the Hostâ€“Guest Interaction of Polycyclodextrin. ACS Applied Materials & Interfaces, 2019, 11, 12105-12113.	4.0	66
21	Î²-Cyclodextrin based air filter for high-efficiency filtration of pollution sources. Journal of Hazardous Materials, 2019, 373, 197-203.	6.5	43
22	Multiresponsive Reversible Deformation of Patterned Polyacrylamide Hydrogel Constructed by a Computer-Assisted Dispenser. ACS Applied Polymer Materials, 2019, 1, 1187-1194.	2.0	5
23	Cyclodextrins-Based Shape Memory Polymers and Self-Healing Polymers. , 2019, , 1-15.		0
24	Super Tough, Ultrastretchable Hydrogel with Multistimuli Responsiveness. ACS Applied Materials & Interfaces, 2018, 10, 15021-15029.	4.0	54
25	Effective Formaldehyde Capture by Green Cyclodextrin-Based Metalâ€“Organic Framework. ACS Applied Materials & Interfaces, 2018, 10, 42-46.	4.0	107
26	Leeches-Inspired Hydrogelâ€“Elastomer Integration Materials. ACS Applied Materials & Interfaces, 2018, 10, 40238-40245.	4.0	22
27	Reusable Xerogel Containing Quantum Dots with High Fluorescence Retention. Polymers, 2018, 10, 310.	2.0	9
28	Reactive Oxygen Species and Glutathione Dual Redox-Responsive Supramolecular Assemblies with Controllable Release Capability. ACS Applied Materials & Interfaces, 2017, 9, 4475-4484.	4.0	86
29	Semiâ€IPNs with Moistureâ€Triggered Shape Memory and Selfâ€Healing Properties. Macromolecular Rapid Communications, 2017, 38, 1700149.	2.0	38
30	Shape Memory Polymers Based on Supramolecular Interactions. ACS Applied Materials & Interfaces, 2017, 9, 20276-20293.	4.0	120
31	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.	1.1	12
32	Electromagnetic Wave Absorption Coating Material with Selfâ€Healing Properties. Macromolecular Rapid Communications, 2017, 38, 1700447.	2.0	29
33	UVâ€Blocking Coating with Selfâ€Healing Capacity. Macromolecular Chemistry and Physics, 2017, 218, 1700213.	1.1	14
34	pH and glutathione dual-triggered supramolecular assemblies as synergistic and controlled drug release carriers. Polymer Chemistry, 2017, 8, 7260-7270.	1.9	18
35	A Tri-Stimuli-Responsive Shape-Memory Material Using Host-Guest Interactions as Molecular Switches. Macromolecular Rapid Communications, 2016, 37, 433-438.	2.0	37
36	A three-dimensional graphene oxide supramolecular hydrogel for infrared light-responsive cascade release of two anticancer drugs. Chemical Communications, 2016, 52, 14384-14387.	2.2	32

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37	pH- and Thermal-Responsive Multishape Memory Hydrogel. ACS Applied Materials & Interfaces, 2016, 8, 27432-27437.	4.0	53
38	6â€²TIPSâ€²Î²â€²Cyclodextrinâ€Modified Fe₃O₄ for Facile Enantioseparation of 1â€(1â€Naphthyl)ethylamine. Chemistry - an Asian Journal, 2016, 11, 3513-3519.	1.7	1
39	Light-, pH- and thermal-responsive hydrogels with the triple-shape memory effect. Chemical Communications, 2016, 52, 10609-10612.	2.2	129
40	Conductive Elastomers with Autonomic Selfâ€Healing Properties. Angewandte Chemie - International Edition, 2015, 54, 12127-12133.	7.2	145
41	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
42	An efficient multiple healing conductive composite via hostâ€“guest inclusion. Chemical Communications, 2015, 51, 6377-6380.	2.2	45
43	Multi-stimuli-responsive magnetic assemblies as tunable releasing carriers. Journal of Materials Chemistry B, 2015, 3, 6026-6031.	2.9	26
44	Dual-Stimuli-Responsive Nanoassemblies as Tunable Releasing Carriers. ACS Macro Letters, 2015, 4, 543-547.	2.3	52
45	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.	2.6	11
46	Evaluation of Rodâ€Shaped Nanoparticles as Carriers for Gene Delivery. Particle and Particle Systems Characterization, 2014, 31, 994-1000.	1.2	6
47	Preparation of thermosensitive polymer magnetic particles and their application in protein separations. Journal of Colloid and Interface Science, 2014, 435, 99-104.	5.0	10
48	Nanoassemblies driven by cyclodextrin-based inclusion complexation. Chemical Communications, 2014, 50, 11083-11092.	2.2	73
49	Layer-by-layer self-assembled films for building magnetically driven walking devices. Journal of Materials Chemistry C, 2014, 2, 6723-6726.	2.7	3
50	A reversible functional supramolecular material formed by hostâ€“guest inclusion. Polymer Chemistry, 2014, 5, 2922-2927.	1.9	33
51	pH-responsive polymerâ€“drug conjugates as multifunctional micelles for cancer-drug delivery. Nanotechnology, 2014, 25, 335101.	1.3	28
52	Cyclodextrin-Based Microcapsules as Bioreactors for ATP Biosynthesis. Biomacromolecules, 2013, 14, 2984-2988.	2.6	29
53	Synthesis of biocompatible hybrid magnetic hollow spheres based on encapsulation strategy. Carbohydrate Polymers, 2013, 92, 523-528.	5.1	8
54	Photoreversible Polymerâ€“Surfactant Micelles Using the Molecular Recognition of Î±-Cyclodextrin. Langmuir, 2013, 29, 3188-3194.	1.6	10

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55	Redoxâ€•and Glucoseâ€Induced Shapeâ€Memory Polymers. Macromolecular Rapid Communications, 2013, 34, 867-872.	2.0	68
56	Vesicular gold assemblies based on hostâ€“guest inclusion and its controllable release of doxorubicin. Nanotechnology, 2013, 24, 495103.	1.3	17
57	pHâ€Switchable Macroscopic Assembly through Hostâ€“Guest Inclusion. Macromolecular Rapid Communications, 2013, 34, 1174-1180.	2.0	11
58	Stimuli-induced gelâ€“sol transition of multi-sensitive supramolecular Î²-cyclodextrin grafted alginate/ferrocene modified pluronic hydrogel. Soft Matter, 2012, 8, 5746.	1.2	86
59	pHâ€Induced Shapeâ€Memory Polymers. Macromolecular Rapid Communications, 2012, 33, 1055-1060.	2.0	250
60	Encapsulation studies and selective membrane permeability properties of self-assembly hollow nanospheres. Soft Matter, 2011, 7, 1018-1024.	1.2	17
61	Hollow Nanospheres Based on the Self-Assembly of Alginate-graft-poly(ethylene glycol) and Î±-Cyclodextrin. Langmuir, 2011, 27, 14401-14407.	1.6	36
62	Supramolecular assembly of cyclodextrin-based nanospheres for gene delivery. Journal of Controlled Release, 2011, 152, e141-e142.	4.8	5
63	Self-assembly of chitosan- g -PEG and Î± -cyclodextrin into hollow spheres in aqueous solution. Journal of Controlled Release, 2011, 152, e204-e205.	4.8	1
64	Selfâ€Assembly Pluronic and Î²â€Cyclodextrin to Hollow Nanospheres for Enhanced Gene Delivery. Macromolecular Rapid Communications, 2011, 32, 1533-1538.	2.0	20
65	Selfâ€Assembly of Rodâ€“Coil Polyethylenimineâ€“Poly(ethylene glycol)â€“Î±â€Cyclodextrin Inclusion Complexes into Hollow Spheres and Rodâ€Like Particles. Macromolecular Rapid Communications, 2011, 32, 1965-1971.	2.0	18
66	Macromol. Rapid Commun. 24/2011. Macromolecular Rapid Communications, 2011, 32, 1938-1938.	2.0	0
67	MyMolDB: A micromolecular database solution with open source and free components. Journal of Computational Chemistry, 2011, 32, 2942-2948.	1.5	1
68	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.	5.1	35
69	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.	5.1	34
70	Preparation and characterization of a poly(ethylene glycol) grafted carboxymethyl konjac glucomannan copolymer. Carbohydrate Polymers, 2010, 79, 648-654.	5.1	29
71	Self-assembly of Î²-cyclodextrin and pluronic into hollow nanospheres in aqueous solution. Journal of Colloid and Interface Science, 2010, 350, 447-452.	5.0	30
72	Effects of solvent, casting temperature, and guest/host stoichiometries on the properties of shape memory material based on partial Î±â€Dâ€PEG inclusion complex. Journal of Polymer Science, Part B: Polymer Physics, 2010, 48, 951-957.	2.4	17

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73	Degradable hollow spheres based on self-assembly inclusion. Chemical Communications, 2010, 46, 643-645.	2.2	27
74	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.	1.2	11
75	Self-assembly hollow nanosphere for enzyme encapsulation. Soft Matter, 2010, 6, 1405.	1.2	47
76	Supramolecular Network Based on the Selfâ€Assembly of Î³â€Cyclodextrin with Poly(ethylene) Tj ETQq0 0 0 rgBT /Overlock 10 Tf	2.6	36
77	Semi-permeable nanocapsules of konjac glucomannanâ€“chitosan for enzyme immobilization. International Journal of Pharmaceutics, 2008, 364, 102-107.	2.6	50
78	Minor Iridoids from the Roots of Valeriana wallichii. Journal of Natural Products, 2008, 71, 1254-1257.	1.5	39
79	Organocatalytic and Highly Stereoselective Direct Vinylogous Mannich Reaction. Journal of the American Chemical Society, 2007, 129, 1878-1879.	6.6	175
80	Organocatalytic asymmetric Friedelâ€“Crafts alkylation/cascade reactions of naphthols and nitroolefins. Chemical Communications, 2007, , 2228-2230.	2.2	129
81	Enantioselective Michael Addition of Î±-Substituted Cyanoacetates to Vinyl Ketones Catalyzed by Bifunctional Organocatalysts. Chemistry - A European Journal, 2007, 13, 319-327.	1.7	77
82	Enantioselective construction of quaternary carbon centre catalysed by bifunctional organocatalyst. Organic and Biomolecular Chemistry, 2006, 4, 2097.	1.5	144
83	Unexpected Ring-Opening Reactions of Aziridines with Aldehydes Catalyzed by Nucleophilic Carbenes under Aerobic Conditions. Organic Letters, 2006, 8, 1521-1524.	2.4	91
84	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.	1.2	58
85	Asymmetric Michael Addition of Arylthiols to Î±,Î²-Unsaturated Carbonyl Compounds Catalyzed by Bifunctional Organocatalysts. Synlett, 2005, 2005, 603-606.	1.0	36
86	N-Benzylidene-3-(diphenylphosphino)-1-propanamine. Acta Crystallographica Section E: Structure Reports Online, 2001, 57, o858-o859.	0.2	0