Bo Zheng

List of Publications by Year in Descending Order

60 papers	6,457 citations	33 h-index	66 g-index
66 ext. papers	6,983 ext. citations	9.2 avg, IF	5.84 L-index

#	Paper	IF	Citations
60	Fine-Tuning the Spring-Like Motion of an Anion-Based Triple Helicate by Tetraalkylammonium Guests. *Angewandte Chemie*, **2021**, 133, 9475-9480	3.6	2
59	Fine-Tuning the Spring-Like Motion of an Anion-Based Triple Helicate by Tetraalkylammonium Guests. *Angewandte Chemie - International Edition*, **2021**, 60, 9389-9394	16.4	5
58	Hierarchical self-assembly of crown ether based metal-carbene cages into multiple stimuli-responsive cross-linked supramolecular metallogel. *Science China Chemistry*, **2021**, 64, 1177-1183	7.9	7
57	Combating antibiotic resistance: current strategies for the discovery of novel antibacterial materials based on macrocycle supramolecular chemistry. *Giant*, **2021**, 100066	5.6	14
56	Narcissistic self-sorting in anion-coordination-driven assemblies. *Chemical Communications*, **2021**, 57, 6078-6081	5.8	7
55	Site-Selective Binding of Peripheral Chiral Guests Induces Stereospecificity in AL Tetrahedral Anion Cages. *Journal of the American Chemical Society*, **2020**, 142, 6304-6311	16.4	22
54	Chirality transcription in the anion-coordination-driven assembly of tetrahedral cages. *Chemical Communications*, **2020**, 56, 2475-2478	5.8	6
53	Assembly Pattern of Supramolecular Hydrogel Induced by Lower Critical Solution Temperature Behavior of Low-Molecular-Weight Gelator. *Journal of the American Chemical Society*, **2020**, 142, 448-455	16.4	20
52	Multiple Transformations among Anion-based AL Assemblies: Bicapped Trigonal Antiprism AL, Tetrahedron AL, and Triple Helicate AL (A = Anion). *Journal of the American Chemical Society*, **2020**, 142, 21160-21168	16.4	16
51	Anion-Coordination-Driven Assembly of Chiral Quadruple and Single Helices Controlled by Countercations. *Crystal Growth and Design*, **2019**, 19, 6527-6533	3.5	3
50	A degradable low molecular weight monomer system with lower critical solution temperature behaviour in water. *Chemical Communications*, **2019**, 55, 782-785	5.8	4
49	Construction and interconversion of anion-coordination-based (4,4) grids and double helicates modulated by counter-cations. *Chemical Science*, **2019**, 10, 6278-6284	9.4	13
48	Luminescent Metallo-Supramolecular Polymers. *Chinese Journal of Chemistry*, **2019**, 37, 843-854	4.9	13
47	Enzyme-responsive pillar[5]arene-based polymer-substituted amphiphiles: synthesis, self-assembly in water, and application in controlled drug release. *Chemical Communications*, **2015**, 51, 14901-4	5.8	41
46	Supramolecular polymers constructed from macrocycle-based host-guest molecular recognition motifs. *Accounts of Chemical Research*, **2014**, 47, 1982-94	24.3	409
45	Self-sorting of crown ether/secondary ammonium ion hetero-[c2]daisy chain pseudorotaxanes. *Organic Chemistry Frontiers*, **2014**, 1, 532-540	5.2	21
44	Self-assembly of triangular and hexagonal molecular necklaces. *Journal of the American Chemical Society*, **2014**, 136, 5908-11	16.4	121

43	Construction of muscle-like metallo-supramolecular polymers from a pillar[5]arene-based [c2]daisy chain. *Polymer Chemistry*, **2014**, 5, 5734-5739	4.9	61
42	Construction of supramolecular organogels and hydrogels from crown ether based unsymmetric bolaamphiphiles. *Chemical Communications*, **2014**, 50, 12142-5	5.8	17
41	Benzo-21-crown-7/secondary ammonium salt [2]rotaxanes with fluoro/chlorocarbon blocking groups. *Organic Letters*, **2013**, 15, 3538-41	6.2	12
40	Formation of a pillar[5]arene-based [3]pseudorotaxane in solution and in the solid state. *Chemical Communications*, **2013**, 49, 472-4	5.8	47
39	Responsive reverse giant vesicles and gel from self-organization of a bolaamphiphilic pillar[5]arene. *Soft Matter*, **2013**, 9, 7314	3.6	45
38	A dynamic [1]catenane with pH-responsiveness formed via threading-followed-by-complexation. *Chemical Communications*, **2013**, 49, 2512-4	5.8	60
37	LCST-type phase behavior induced by pillar[5]arene/ionic liquid host-guest complexation. *Advanced Materials*, **2013**, 25, 6864-7	24	101
36	A novel pH-responsive supramolecular polymer constructed by pillar[5]arene-based host–guest interactions. *Polymer Chemistry*, **2013**, 4, 2019	4.9	96
35	A supramolecular polymer formed by the combination of crown ether-based and charge-transfer molecular recognition. *Polymer Chemistry*, **2013**, 4, 882-886	4.9	22
34	Synthesis of a Pillar[5]arene-Based Heteroditopic Host and Its Complexation with n-Octyltriethylammonium Salts. *European Journal of Organic Chemistry*, **2013**, 2013, 1209-1213	3.2	23
33	Integrated motion of molecular machines in supramolecular polymeric scaffolds. *Polymer Chemistry* , **2013**, 4, 2395	4.9	42
32	Threaded structures based on the benzo-21-crown-7/secondary ammonium salt recognition motif using esters as end groups. *Organic and Biomolecular Chemistry*, **2013**, 11, 3880-5	3.9	4
31	Preparation of two new [2]rotaxanes based on the pillar[5]arene/alkane recognition motif. *Tetrahedron Letters*, **2012**, 53, 3668-3671	2	52
30	Complexation between pillar[5]arenes and a secondary ammonium salt. *Organic Letters*, **2012**, 14, 1712-5	6.2	124
29	A benzo-21-crown-7/secondary ammonium salt [c2]daisy chain. *Organic Letters*, **2012**, 14, 306-9	6.2	46
28	Preparation of a Diblock Supramolecular Copolymer via Self-Sorting Organization. *Macromolecules*, **2012**, 45, 9070-9075	5.5	28
27	Supramolecular polymers constructed by crown ether-based molecular recognition. *Chemical Society Reviews*, **2012**, 41, 1621-36	58.5	540
26	Pillar[6]arene-based photoresponsive host-guest complexation. *Journal of the American Chemical Society*, **2012**, 134, 8711-7	16.4	408

25	Stimuli-responsive supramolecular polymeric materials. *Chemical Society Reviews*, **2012**, 41, 6042-65	58.5	1252
24	A crown ether appended super gelator with multiple stimulus responsiveness. *Advanced Materials*, **2012**, 24, 3191-5	24	244
23	Self-Healing Supramolecular Gels Formed by Crown Ether Based Host□Guest Interactions. *Angewandte Chemie*, **2012**, 124, 7117-7121	3.6	189
22	Self-healing supramolecular gels formed by crown ether based host-guest interactions. *Angewandte Chemie - International Edition*, **2012**, 51, 7011-5	16.4	589
21	A supramolecular polymer blend containing two different supramolecular polymers through self-sorting organization of two heteroditopic monomers. *Chemistry - A European Journal*, **2012**, 18, 4195-9	4.8	40
20	Synthesis of a four-armed cage molecule and its pH-controlled complexation with paraquat. *Chemical Communications*, **2011**, 47, 10103-5	5.8	33
19	A Dual-Responsive Supramolecular Polymer Gel Formed by Crown Ether Based Molecular Recognition. *Angewandte Chemie*, **2011**, 123, 1945-1949	3.6	89
18	A dual-responsive supramolecular polymer gel formed by crown ether based molecular recognition. *Angewandte Chemie - International Edition*, **2011**, 50, 1905-9	16.4	423
17	pH-responsive assembly and disassembly of a supramolecular cryptand-based pseudorotaxane driven by □stacking interaction. *Chemical Communications*, **2011**, 47, 9840-2	5.8	52
16	Preparation of a Daisy Chain via Threading-Followed-by-Polymerization. *Macromolecules*, **2011**, 44, 9629-9634	5.8	53
15	SUPRAMOLECULAR POLYMERS BASED ON CROWN ETHER DERIVATIVES. *Acta Polymerica Sinica*, **2011**, 011, 956-964		4
14	Photoresponsive host-guest systems based on a new azobenzene-containing cryptand. *Organic Letters*, **2010**, 12, 2558-61	6.2	86
13	A new cryptand/paraquat [2]pseudorotaxane. *Science China Chemistry*, **2010**, 53, 858-862	7.9	9
12	Improved Pseudorotaxane and Catenane Formation from a Derivative of Bis(m-phenylene)-32-crown-10. *European Journal of Organic Chemistry*, **2010**, 2010, 6798-6803	3.2	18
11	Improved and Controlled Complexation of Paraquat Derivatives by the Formation of a Bis(m-phenylene)-26-Crown-8-Based Lariat Ether. *European Journal of Organic Chemistry*, **2010**, 2010, 5543-5547	3.2	14
10	Synthesis of a Bis(1,2,3-phenylene) Cryptand and Its Dual-Response Binding to Paraquat and Diquat. *European Journal of Organic Chemistry*, **2010**, 2010, 6804-6809	3.2	25
9	Anion-assisted complexation of paraquat by cryptands based on bis(m-phenylene)-[32]crown-10. *Chemistry - A European Journal*, **2010**, 16, 6088-98	4.8	45
8	Metal Coordination Mediated Reversible Conversion between Linear and Cross-Linked Supramolecular Polymers. *Angewandte Chemie*, **2010**, 122, 1108-1112	3.6	76

7	Metal coordination mediated reversible conversion between linear and cross-linked supramolecular polymers. *Angewandte Chemie - International Edition*, **2010**, 49, 1090-4	16.4	372
6	A hyperbranched, rotaxane-type mechanically interlocked polymer. *Journal of Polymer Science Part A*, **2010**, 48, 4067-4073	2.5	62
5	A Bis(m-phenylene)-32-crown-10/Paraquat [2]Rotaxane. *European Journal of Organic Chemistry*, **2009**, 2009, 1053-1057	3.2	28
4	Taco complex templated syntheses of a cryptand/paraquat [2]rotaxane and a [2]catenane by olefin metathesis. *Organic Letters*, **2009**, 11, 3350-3	6.2	108
3	Formation of linear main-chain polypseudorotaxanes with supramolecular polymer backbones via two self-sorting host-guest recognition motifs. *Chemical Communications*, **2009**, 4375-7	5.8	108
2	High-yield preparation of [2]rotaxanes based on the bis(m-phenylene)-32-crown-10-based cryptand/paraquat derivative recognition motif. *Organic and Biomolecular Chemistry*, **2008**, 6, 2103-7	3.9	51
1	Preparation of Bis(m-phenylene)-32-crown-10-Based Cryptand/Bisparaquat [3]Rotaxanes with High Efficiency. *European Journal of Organic Chemistry*, **2008**, 2008, 6128-6133	3.2	32