

Bo Zheng

List of Publications by Year in descending order

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60
papers

7,401
citations

101543
36
h-index

114465
63
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66
all docs

66
docs citations

66
times ranked

5492
citing authors

#	ARTICLE	IF	CITATIONS
1	Stimuli-responsive supramolecular polymeric materials. <i>Chemical Society Reviews</i> , 2012, 41, 6042.	38.1	1,440
2	Self-Healing Supramolecular Gels Formed by Crown Ether Based Host-Guest Interactions. <i>Angewandte Chemie - International Edition</i> , 2012, 51, 7011-7015.	13.8	666
3	Supramolecular polymers constructed by crown ether-based molecular recognition. <i>Chemical Society Reviews</i> , 2012, 41, 1621-1636.	38.1	618
4	Supramolecular Polymers Constructed from Macrocyclic-Based Host-Guest Molecular Recognition Motifs. <i>Accounts of Chemical Research</i> , 2014, 47, 1982-1994.	15.6	499
5	A Dual-Responsive Supramolecular Polymer Gel Formed by Crown Ether Based Molecular Recognition. <i>Angewandte Chemie - International Edition</i> , 2011, 50, 1905-1909.	13.8	447
6	Pillar[6]arene-Based Photoresponsive Host-Guest Complexation. <i>Journal of the American Chemical Society</i> , 2012, 134, 8711-8717.	13.7	446
7	Metal Coordination Mediated Reversible Conversion between Linear and Cross-Linked Supramolecular Polymers. <i>Angewandte Chemie - International Edition</i> , 2010, 49, 1090-1094.	13.8	415
8	A Crown Ether Appended Super Gelator with Multiple Stimulus Responsiveness. <i>Advanced Materials</i> , 2012, 24, 3191-3195.	21.0	254
9	Self-Assembly of Triangular and Hexagonal Molecular Necklaces. <i>Journal of the American Chemical Society</i> , 2014, 136, 5908-5911.	13.7	134
10	Complexation between Pillar[5]arenes and a Secondary Ammonium Salt. <i>Organic Letters</i> , 2012, 14, 1712-1715.	4.6	130
11	Formation of linear main-chain polypseudorotaxanes with supramolecular polymer backbones via two self-sorting host-guest recognition motifs. <i>Chemical Communications</i> , 2009, , 4375.	4.1	114
12	Taco Complex Templated Syntheses of a Cryptand/Paraquat [2]Rotaxane and a [2]Catenane by Olefin Metathesis. <i>Organic Letters</i> , 2009, 11, 3350-3353.	4.6	113
13	LCST-Type Phase Behavior Induced by Pillar[5]arene/Ionic Liquid Host-Guest Complexation. <i>Advanced Materials</i> , 2013, 25, 6864-6867.	21.0	113
14	Photoresponsive Host-Guest Systems Based on a New Azobenzene-Containing Cryptand. <i>Organic Letters</i> , 2010, 12, 2558-2561.	4.6	100
15	A novel pH-responsive supramolecular polymer constructed by pillar[5]arene-based host-guest interactions. <i>Polymer Chemistry</i> , 2013, 4, 2019.	3.9	100
16	Construction of muscle-like metallo-supramolecular polymers from a pillar[5]arene-based [c2]daisy chain. <i>Polymer Chemistry</i> , 2014, 5, 5734-5739.	3.9	70
17	A dynamic [1]catenane with pH-responsiveness formed via threading-followed-by-complexation. <i>Chemical Communications</i> , 2013, 49, 2512.	4.1	68
18	A hyperbranched, rotaxane-type mechanically interlocked polymer. <i>Journal of Polymer Science Part A</i> , 2010, 48, 4067-4073.	2.3	65

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19	Preparation of a Daisy Chain via Threading-Followed-by-Polymerization. <i>Macromolecules</i> , 2011, 44, 9629-9634.	4.8	59
20	Combating antibiotic resistance: current strategies for the discovery of novel antibacterial materials based on macrocycle supramolecular chemistry. <i>Giant</i> , 2021, , 100066.	5.1	58
21	Preparation of two new [2]rotaxanes based on the pillar[5]arene/alkane recognition motif. <i>Tetrahedron Letters</i> , 2012, 53, 3668-3671.	1.4	57
22	pH-responsive assembly and disassembly of a supramolecular cryptand-based pseudorotaxane driven by π - π stacking interaction. <i>Chemical Communications</i> , 2011, 47, 9840.	4.1	56
23	A Benzo-21-Crown-7/Secondary Ammonium Salt [2]Daisy Chain. <i>Organic Letters</i> , 2012, 14, 306-309.	4.6	56
24	High-yield preparation of [2]rotaxanes based on the bis(m-phenylene)-32-crown-10-based cryptand/paraquat derivative recognition motif. <i>Organic and Biomolecular Chemistry</i> , 2008, 6, 2103.	2.8	54
25	Site-Selective Binding of Peripheral Chiral Guests Induces Stereospecificity in $A_{42}L_6$ Tetrahedral Anion Cages. <i>Journal of the American Chemical Society</i> , 2020, 142, 6304-6311.	13.7	53
26	Formation of a pillar[5]arene-based [3]pseudorotaxane in solution and in the solid state. <i>Chemical Communications</i> , 2013, 49, 472-474.	4.1	49
27	Anion-Assisted Complexation of Paraquat by Cryptands Based on Bis(m-phenylene)-[32]crown-10. <i>Chemistry - A European Journal</i> , 2010, 16, 6088-6098.	3.3	48
28	Responsive reverse giant vesicles and gel from self-organization of a bolaamphiphilic pillar[5]arene. <i>Soft Matter</i> , 2013, 9, 7314.	2.7	48
29	Enzyme-responsive pillar[5]arene-based polymer-substituted amphiphiles: synthesis, self-assembly in water, and application in controlled drug release. <i>Chemical Communications</i> , 2015, 51, 14901-14904.	4.1	48
30	Assembly Pattern of Supramolecular Hydrogel Induced by Lower Critical Solution Temperature Behavior of Low-Molecular-Weight Gelator. <i>Journal of the American Chemical Society</i> , 2020, 142, 448-455.	13.7	47
31	A Supramolecular Polymer Blend Containing Two Different Supramolecular Polymers through Self-Sorting Organization of Two Heteroditopic Monomers. <i>Chemistry - A European Journal</i> , 2012, 18, 4195-4199.	3.3	44
32	Integrated motion of molecular machines in supramolecular polymeric scaffolds. <i>Polymer Chemistry</i> , 2013, 4, 2395.	3.9	42
33	Synthesis of a four-armed cage molecule and its pH-controlled complexation with paraquat. <i>Chemical Communications</i> , 2011, 47, 10103.	4.1	36
34	Multiple Transformations among Anion-based A_2L_3 Assemblies: Bicapped Trigonal Antiprism A_8L_{12} , Tetrahedron A_4L_6 , and Triple Helicate A_2L_3 (A = Anion). <i>Journal of the American Chemical Society</i> , 2020, 142, 21160-21168.	13.7	36
35	Preparation of Bis(m-phenylene)-[32]crown-10-Based Cryptand/Bisparaquat [3]Rotaxanes with High Efficiency. <i>European Journal of Organic Chemistry</i> , 2008, 2008, 6128-6133.	2.4	33
36	A Bis(m-phenylene)-[32]crown-10/Paraquat [2]Rotaxane. <i>European Journal of Organic Chemistry</i> , 2009, 2009, 1053-1057.	2.4	31

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37	Preparation of a Diblock Supramolecular Copolymer via Self-Sorting Organization. <i>Macromolecules</i> , 2012, 45, 9070-9075.	4.8	29
38	Synthesis of a Bis(1,2,3-phenylene) Cryptand and Its Dual-Response Binding to Paraquat and Diquat. <i>European Journal of Organic Chemistry</i> , 2010, 2010, 6804-6809.	2.4	27
39	Self-sorting of crown ether/secondary ammonium ion hetero-[c2]daisy chain pseudorotaxanes. <i>Organic Chemistry Frontiers</i> , 2014, 1, 532-540.	4.5	26
40	Synthesis of a Pillar[5]arene-Based Heteroditopic Host and Its Complexation with Octyltriethylammonium Salts. <i>European Journal of Organic Chemistry</i> , 2013, 2013, 1209-1213.	2.4	24
41	Fine-Tuning the Spring-Like Motion of an Anion-Based Triple Helicate by Tetraalkylammonium Guests. <i>Angewandte Chemie - International Edition</i> , 2021, 60, 9389-9394.	13.8	24
42	A supramolecular polymer formed by the combination of crown ether-based and charge-transfer molecular recognition. <i>Polymer Chemistry</i> , 2013, 4, 882-886.	3.9	23
43	Improved Pseudorotaxane and Catenane Formation from a Derivative of Bis(3-phenylene)-32-crown-10. <i>European Journal of Organic Chemistry</i> , 2010, 2010, 6798-6803.	2.4	21
44	Construction of supramolecular organogels and hydrogels from crown ether based unsymmetric bolaamphiphiles. <i>Chemical Communications</i> , 2014, 50, 12142-12145.	4.1	20
45	Light-Triggered High-Affinity Binding of Tetramethylammonium over Potassium Ions by [18]crown-6 in a Tetrahedral Anion Cage. <i>Angewandte Chemie - International Edition</i> , 2022, 61, .	13.8	20
46	Construction and interconversion of anion-coordination-based (aniono TM) grids and double helicates modulated by counter-cations. <i>Chemical Science</i> , 2019, 10, 6278-6284.	7.4	19
47	Luminescent Metallo-Supramolecular Polymers. <i>Chinese Journal of Chemistry</i> , 2019, 37, 843-854.	4.9	18
48	Hierarchical self-assembly of crown ether based metal-carbene cages into multiple stimuli-responsive cross-linked supramolecular metallogel. <i>Science China Chemistry</i> , 2021, 64, 1177-1183.	8.2	17
49	Improved and Controlled Complexation of Paraquat Derivatives by the Formation of a Bis(3-phenylene)-26-Crown-8-Based Lariat Ether. <i>European Journal of Organic Chemistry</i> , 2010, 2010, 5543-5547.	2.4	15
50	Chirality transcription in the anion-coordination-driven assembly of tetrahedral cages. <i>Chemical Communications</i> , 2020, 56, 2475-2478.	4.1	15
51	Benzo-21-Crown-7/Secondary Ammonium Salt [2]Rotaxanes with Fluoro/Chlorocarbon Blocking Groups. <i>Organic Letters</i> , 2013, 15, 3538-3541.	4.6	14
52	Narcissistic self-sorting in anion-coordination-driven assemblies. <i>Chemical Communications</i> , 2021, 57, 6078-6081.	4.1	13
53	Fine-Tuning the Spring-Like Motion of an Anion-Based Triple Helicate by Tetraalkylammonium Guests. <i>Angewandte Chemie</i> , 2021, 133, 9475-9480.	2.0	11
54	A new cryptand/paraquat [2]pseudorotaxane. <i>Science China Chemistry</i> , 2010, 53, 858-862.	8.2	9

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55	Anion-Coordination-Driven Assembly of Chiral Quadruple and Single Helices Controlled by Counteranions. <i>Crystal Growth and Design</i> , 2019, 19, 6527-6533.	3.0	6
56	Light-Triggered High-Affinity Binding of Tetramethylammonium over Potassium Ions by [18]crown-6 in a Tetrahedral Anion Cage. <i>Angewandte Chemie</i> , 2022, 134, .	2.0	6
57	Threaded structures based on the benzo-21-crown-7/secondary ammonium salt recognition motif using esters as end groups. <i>Organic and Biomolecular Chemistry</i> , 2013, 11, 3880.	2.8	5
58	A degradable low molecular weight monomer system with lower critical solution temperature behaviour in water. <i>Chemical Communications</i> , 2019, 55, 782-785.	4.1	5
59	SUPRAMOLECULAR POLYMERS BASED ON CROWN ETHER DERIVATIVES. <i>Acta Polymerica Sinica</i> , 2011, 011, 956-964.	0.0	5
60	Complexation of Paraquat and Diazapyrenium Derivatives with Dipyrrodo[30]crown-10. <i>European Journal of Organic Chemistry</i> , 2012, 2012, n/a-n/a.	2.4	3