

Zibin Zhang

List of Publications by Year in descending order

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40
papers

6,026
citations

218677

26
h-index

289244

40
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42
all docs

42
docs citations

42
times ranked

4062
citing authors

#	ARTICLE	IF	CITATIONS
1	Pillararenes, A New Class of Macrocycles for Supramolecular Chemistry. <i>Accounts of Chemical Research</i> , 2012, 45, 1294-1308.	15.6	1,283
2	Formation of Linear Supramolecular Polymers That Is Driven by C π -H \cdots N Interactions in Solution and in the Solid State. <i>Angewandte Chemie - International Edition</i> , 2011, 50, 1397-1401.	13.8	687
3	Pillar[6]arene/Paraquat Molecular Recognition in Water: High Binding Strength, pH-Responsiveness, and Application in Controllable Self-Assembly, Controlled Release, and Treatment of Paraquat Poisoning. <i>Journal of the American Chemical Society</i> , 2012, 134, 19489-19497.	13.7	448
4	Pillar[6]arene-Based Photoresponsive Host-Guest Complexation. <i>Journal of the American Chemical Society</i> , 2012, 134, 8711-8717.	13.7	446
5	An instant multi-responsive porous polymer actuator driven by solvent molecule sorption. <i>Nature Communications</i> , 2014, 5, 4293.	12.8	446
6	A Water-Soluble Pillar[6]arene: Synthesis, Host-Guest Chemistry, and Its Application in Dispersion of Multiwalled Carbon Nanotubes in Water. <i>Journal of the American Chemical Society</i> , 2012, 134, 13248-13251.	13.7	410
7	Syntheses of Copillar[5]arenes by Co-oligomerization of Different Monomers. <i>Organic Letters</i> , 2010, 12, 3285-3287.	4.6	263
8	A solvent-driven molecular spring. <i>Chemical Science</i> , 2012, 3, 3026.	7.4	257
9	DIBPillar[n]arenes (n = 5, 6): Syntheses, X-ray Crystal Structures, and Complexation with n-Octyltriethyl Ammonium Hexafluorophosphate. <i>Organic Letters</i> , 2010, 12, 4360-4363.	4.6	239
10	A non-symmetric pillar[5]arene-based selective anion receptor for fluoride. <i>Chemical Communications</i> , 2012, 48, 2958.	4.1	169
11	Gold nanoparticles stabilized by an amphiphilic pillar[5]arene: preparation, self-assembly into composite microtubes in water and application in green catalysis. <i>Chemical Science</i> , 2013, 4, 3667.	7.4	152
12	Four constitutional isomers of Bmpillar[5]arene: synthesis, crystal structures and complexation with n-octyltrimethyl ammonium hexafluorophosphate. <i>Chemical Communications</i> , 2011, 47, 2417-2419.	4.1	146
13	Formation of a Cyclic Dimer Containing Two Mirror Image Monomers in the Solid State Controlled by van der Waals Forces. <i>Organic Letters</i> , 2011, 13, 4818-4821.	4.6	140
14	Syntheses of a pillar[4]arene[1]quinone and a difunctionalized pillar[5]arene by partial oxidation. <i>Chemical Communications</i> , 2012, 48, 9876.	4.1	114
15	Host-guest complexation-mediated codelivery of anticancer drug and photosensitizer for cancer photochemotherapy. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , 2019, 116, 6618-6623.	7.1	111
16	Preparation of Pillar[n]arenes by Cyclooligomerization of 2,5-Dialkoxybenzyl Alcohols or 2,5-Dialkoxybenzyl Bromides. <i>European Journal of Organic Chemistry</i> , 2011, 2011, 5331-5335.	2.4	80
17	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
18	A hybrid porous material from a pillar[5]arene and a poly(ionic liquid): selective adsorption of n-alkylene diols. <i>Chemical Communications</i> , 2014, 50, 2595.	4.1	68

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19	Chiral Metallacycles as Catalysts for Asymmetric Conjugate Addition of Styrylboronic Acids to β,β' -Enones. <i>Journal of the American Chemical Society</i> , 2020, 142, 10244-10249.	13.7	54
20	Controllable hierarchical self-assembly of porphyrin-derived supra-amphiphiles. <i>Nature Communications</i> , 2019, 10, 1399.	12.8	51
21	Synthesis of a Difunctionalized Pillar[6]arene and Its Complexation with an Ammonium Salt Coupled to a Weakly Coordinating Counteranion. <i>European Journal of Organic Chemistry</i> , 2013, 2013, 2529-2532.	2.4	46
22	Synthesis of 1,4-Bis(n-propoxy)pillar[7]arene and Its Host-guest Chemistry. <i>Acta Chimica Sinica</i> , 2012, 70, 1775.	1.4	39
23	A pillar[5]arene-based anion responsive supramolecular polymer. <i>RSC Advances</i> , 2013, 3, 16089.	3.6	30
24	Cavity-Extended Pillar[5]arenes: Syntheses and Host-Guest Complexation with Paraquat and Bispyridinium Derivatives. <i>European Journal of Organic Chemistry</i> , 2012, 2012, 5902-5907.	2.4	29
25	Neutral guest capture by a cationic water-soluble pillar[5]arene in water. <i>Tetrahedron</i> , 2013, 69, 4532-4535.	1.9	28
26	Formation of a Copillar[5]arene-Based Supramolecular Polymer in Solution and in the Solid State. <i>Macromolecular Rapid Communications</i> , 2014, 35, 987-991.	3.9	17
27	Self-Assembled Monolayers of Perfluoroanthracenylaminoalkane Thiolates on Gold as Potential Electron Injection Layers. <i>ACS Applied Materials & Interfaces</i> , 2016, 8, 7308-7319.	8.0	12
28	Anion recognition with porphyrin-bottomed tetraurea receptors. <i>Chinese Chemical Letters</i> , 2018, 29, 1372-1374.	9.0	12
29	Antibacterial and Antibiofilm Formation Activities of Pyridinium-Based Cationic Pillar[5]arene Against <i>Pseudomonas aeruginosa</i> . <i>Journal of Agricultural and Food Chemistry</i> , 2021, 69, 4276-4283.	5.2	12
30	Flexible porphyrin cages and nanorings. <i>Journal of Porphyrins and Phthalocyanines</i> , 2018, 22, 726-738.	0.8	9
31	Self-assembly of chiral BINOL cages via imine condensation. <i>Chemical Communications</i> , 2021, 57, 9088-9091.	4.1	9
32	Coordination-driven self-assembly of dibenzo-18-crown-6 functionalized Pt(II) metallacycles. <i>Chinese Chemical Letters</i> , 2023, 34, 107521.	9.0	8
33	Preparation of a mechanically interlocked polymer from a linear supramolecular polymer. <i>Organic Chemistry Frontiers</i> , 2020, 7, 1453-1462.	4.5	7
34	Crown Ether-Derived Chiral BINOL: Enantioselective Michael Addition of Alkenyl Boronic Acids to β,β' -Unsaturated Ketones. <i>ACS Omega</i> , 2021, 6, 35093-35103.	3.5	6
35	Multicomponent Coordination-Driven Self-Assembly of Fused C ₃ v Polygons. <i>Organometallics</i> , 2021, 40, 1-5.	2.3	4
36	A pillar[5]arene-based molecular grapple of hexafluorophosphate. <i>Chinese Chemical Letters</i> , 2019, 30, 957-960.	9.0	3

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37	Efficient one-pot synthesis of [3]catenanes based on Pt(II) metallacycles with a flexible building block. <i>Organic Chemistry Frontiers</i> , 2021, 8, 5280-5288.	4.5	3
38	Synthesis of Catenanes from a BMP32C10-Based Cryptand Tuned by the Linkage Length of Paraquat Salts. <i>Synthesis</i> , 2021, 53, 338-343.	2.3	2
39	Construction of Supramolecular Polymers with Different Topologies by Orthogonal Self-Assembly of Cryptand-Paraquat Recognition and Metal Coordination. <i>Molecules</i> , 2021, 26, 952.	3.8	2
40	Supramolecular Catalysts Based on Crown Ethers and Polyethers. <i>Series on Chemistry, Energy and the Environment</i> , 2020, , 29-79.	0.3	0