

Jianzhuang Chen

List of Publications by Year in descending order

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Version: 2024-02-01

40
papers

4,792
citations

236612

25
h-index

264894

42
g-index

42
all docs

42
docs citations

42
times ranked

4462
citing authors

#	ARTICLE	IF	CITATIONS
1	Formation of Linear Supramolecular Polymers That Is Driven by C ₆₀ -H ₂ O Interactions in Solution and in the Solid State. <i>Angewandte Chemie - International Edition</i> , 2011, 50, 1397-1401.	7.2	687
2	A Multiresponsive, Shape-Persistent, and Elastic Supramolecular Polymer Network Gel Constructed by Orthogonal Self-Assembly. <i>Advanced Materials</i> , 2012, 24, 362-369.	11.1	667
3	Self-Healing Supramolecular Gels Formed by Crown Ether Based Host-Guest Interactions. <i>Angewandte Chemie - International Edition</i> , 2012, 51, 7011-7015.	7.2	666
4	Pillar[6]arene-Based Photoresponsive Host-Guest Complexation. <i>Journal of the American Chemical Society</i> , 2012, 134, 8711-8717.	6.6	446
5	An Amphiphilic Pillar[5]arene: Synthesis, Controllable Self-Assembly in Water, and Application in Calcein Release and TNT Adsorption. <i>Journal of the American Chemical Society</i> , 2012, 134, 15712-15715.	6.6	399
6	Supramolecular polymers with tunable topologies via hierarchical coordination-driven self-assembly and hydrogen bonding interfaces. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , 2013, 110, 15585-15590.	3.3	221
7	A Dual-Thermoresponsive Gemini-Type Supra-amphiphilic Macromolecular [3]Pseudorotaxane Based on Pillar[10]arene/Paraquat Cooperative Complexation. <i>Journal of the American Chemical Society</i> , 2016, 138, 3168-3174.	6.6	162
8	Supramolecular polymer nanofibers via electrospinning of a heteroditopic monomer. <i>Chemical Communications</i> , 2011, 47, 7086.	2.2	131
9	A self-healing supramolecular polymer gel with stimuli-responsiveness constructed by crown ether based molecular recognition. <i>Polymer Chemistry</i> , 2013, 4, 3312.	1.9	129
10	Heteroatomic Se ₈ Molecules Confined in Nitrogen-Doped Mesoporous Carbons as Reversible Cathode Materials for High-Performance Lithium Batteries. <i>ACS Nano</i> , 2016, 10, 8289-8298.	7.3	93
11	Multifunctional gold nanostar-based nanocomposite: Synthesis and application for noninvasive MR-SERS imaging-guided photothermal ablation. <i>Biomaterials</i> , 2015, 60, 31-41.	5.7	89
12	pH-Responsive Supramolecular Control of Polymer Thermoresponsive Behavior by Pillararene-Based Host-Guest Interactions. <i>ACS Macro Letters</i> , 2014, 3, 110-113.	2.3	87
13	Supramolecular Micelles Constructed by Crown Ether-Based Molecular Recognition. <i>Macromolecules</i> , 2012, 45, 6457-6463.	2.2	71
14	A hyperbranched, rotaxane-type mechanically interlocked polymer. <i>Journal of Polymer Science Part A</i> , 2010, 48, 4067-4073.	2.5	65
15	Adjustable supramolecular polymer microstructures fabricated by the breath figure method. <i>Polymer Chemistry</i> , 2012, 3, 458-462.	1.9	65
16	Gradient Redox-Responsive and Two-Stage Rocket-Mimetic Drug Delivery System for Improved Tumor Accumulation and Safe Chemotherapy. <i>Nano Letters</i> , 2019, 19, 8690-8700.	4.5	60
17	Preparation of a Daisy Chain via Threading-Followed-by-Polymerization. <i>Macromolecules</i> , 2011, 44, 9629-9634.	2.2	59
18	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.	1.7	44

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19	Melamine-assisted one-pot synthesis of hierarchical nitrogen-doped carbon@MoS ₂ nanowalled core-shell microspheres and their enhanced Li-storage performances. <i>Nanoscale</i> , 2015, 7, 13043-13050.	2.8	35
20	Synthesis of a Pillar[5]arene-Based Polyrotaxane for Enhancing the Drug Loading Capacity of PCL-Based Supramolecular Amphiphile as an Excellent Drug Delivery Platform. <i>Biomacromolecules</i> , 2018, 19, 2923-2930.	2.6	33
21	Dual-responsive crown ether-based supramolecular chain extended polymers. <i>Polymer Chemistry</i> , 2012, 3, 3175.	1.9	30
22	A pillar[5]arene-based anion responsive supramolecular polymer. <i>RSC Advances</i> , 2013, 3, 16089.	1.7	30
23	Biodegradable organosilica magnetic micelles for magnetically targeted MRI and GSH-triggered tumor chemotherapy. <i>Biomaterials Science</i> , 2019, 7, 2951-2960.	2.6	28
24	A supramolecular polymer formed by the combination of crown ether-based and charge-transfer molecular recognition. <i>Polymer Chemistry</i> , 2013, 4, 882-886.	1.9	23
25	Multi-stimuli responsive supramolecular polymers and their electrospun nanofibers. <i>Polymer Chemistry</i> , 2016, 7, 2947-2954.	1.9	20
26	A water-soluble, shape-persistent, mouldable supramolecular polymer with redox-responsiveness in the presence of a molecular chaperone. <i>Polymer Chemistry</i> , 2013, 4, 2767.	1.9	18
27	A Miscible and Adaptive Poly(methyl acrylate)/Polystyrene Blend Formed by Multiple Host-Guest Interactions. <i>Macromolecular Chemistry and Physics</i> , 2014, 215, 536-543.	1.1	18
28	Morphology Evolution and Spatially Selective Functionalization of Hierarchically Porous Silica Nanospheres for Improved Multidrug Delivery. <i>Chemistry of Materials</i> , 2017, 29, 10377-10385.	3.2	17
29	Dual-responsive polypseudorotaxanes based on block-selected inclusion between polyethylene-block-poly(ethylene glycol) diblock copolymers and 1,4-diethoxypillar[5]arene. <i>Soft Matter</i> , 2015, 11, 7835-7840.	1.2	13
30	Pillararene-based supramolecular membranes with the rose-petal effect and nanostructure-modulated tunable water adhesion. <i>Journal of Materials Chemistry A</i> , 2020, 8, 10917-10924.	5.2	12
31	Supramolecular-based PEGylated magnetic hybrid vesicles with ultra-high transverse relaxivity. <i>Applied Materials Today</i> , 2018, 11, 238-245.	2.3	11
32	Polyacrylic acid-polystyrene-passivated CsPbBr ₃ perovskite quantum dots with high photoluminescence quantum yield for light-emitting diodes. <i>Chemical Communications</i> , 2022, 58, 4235-4238.	2.2	10
33	GSH/pH dual-responsive supramolecular hybrid vesicles for synergistic enzymatic/chemo-tumor therapy. <i>Applied Materials Today</i> , 2020, 18, 100458.	2.3	8
34	A Stretchable Pillararene-Containing Supramolecular Polymeric Material with Self-Healing Property. <i>Molecules</i> , 2021, 26, 2191.	1.7	7
35	Photoresponsive Superhydrophobic Membrane Crosslinked by Bipodal Pillararenes with Patterned Wettability. <i>Advanced Materials Interfaces</i> , 2021, 8, 2101627.	1.9	5
36	Photoinduced Contraction Fibers and Photoswitchable Adhesives Generated by Stretchable Supramolecular Gel. <i>Advanced Functional Materials</i> , 2022, 32, .	7.8	4

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37	Post-synthesis pore expansion of mesoporous silica SBA-15 in the organic template removal via solvothermal treatment. <i>Science Bulletin</i> , 2015, 60, 1019-1025.	4.3	2
38	One-pot synthesis of magnetite-loaded dual-mesoporous silica spheres for T2-weighted magnetic resonance imaging and drug delivery. <i>RSC Advances</i> , 2015, 5, 39719-39725.	1.7	2
39	Preparation and Directional Photomanipulation of Azobenzene Containing Supramolecular Polymer Ordered Porous Film. <i>Chinese Journal of Organic Chemistry</i> , 2018, 38, 2161.	0.6	2
40	Fabrication of Polypseudorotaxane-Based Responsive Film via Breath Figure Method. <i>Acta Chimica Sinica</i> , 2021, 79, 803.	0.5	1