Chun Zhang

List of Publications by Year
in descending order

58 papers	2,339 citations	218677 26 h-index	214800 47 g-index
60 all docs	60 docs citations	60 times ranked	2514 citing authors

#	Article	IF	Citations
1	Triptycene-Based Hyper-Cross-Linked Polymer Sponge for Gas Storage and Water Treatment. Macromolecules, 2015, 48, 8509-8514.	4.8	178
2	Nitrogen-Rich Triptycene-Based Porous Polymer for Gas Storage and Iodine Enrichment. ACS Macro Letters, 2016, 5, 1039-1043.	4.8	143
3	Triptycene-Based Microporous Polymers: Synthesis and Their Gas Storage Properties. ACS Macro Letters, 2012, 1, 190-193.	4.8	135
4	A Porous Tricyclooxacalixarene Cage Based on Tetraphenylethylene. Angewandte Chemie - International Edition, 2015, 54, 9244-9248.	13.8	127
5	Synthesis and Structure of 2,6,14- and 2,7,14-Trisubstituted Triptycene Derivatives. Journal of Organic Chemistry, 2006, 71, 6626-6629.	3.2	117
6	Temperature-Sensitive Fluorescent Organic Nanoparticles with Aggregation-Induced Emission for Long-Term Cellular Tracing. ACS Applied Materials & Interfaces, 2015, 7, 3420-3425.	8.0	116
7	Triptycene-Based Expanded Oxacalixarenes:Â Synthesis, Structure, and Tubular Assemblies in the Solid State. Journal of Organic Chemistry, 2007, 72, 3880-3888.	3.2	111
8	Synthesis and Structure of A Triptycene-Based Nanosized Molecular Cage. Journal of Organic Chemistry, 2007, 72, 9339-9341.	3.2	106
9	Multicolor Tunable Polymeric Nanoparticle from the Tetraphenylethylene Cage for Temperature Sensing in Living Cells. Journal of the American Chemical Society, 2020, 142, 512-519.	13.7	102
10	Highly dispersed gold nanoparticles anchoring on post-modified covalent organic framework for catalytic application. Chemical Engineering Journal, 2020, 391, 123471.	12.7	72
11	Mainâ€Chain Organometallic Microporous Polymers Based on Triptycene: Synthesis and Catalytic Application in the Suzukiâ€“Miyaura Coupling Reaction. Chemistry - A European Journal, 2013, 19, 5004-5008.	3.3	68
12	Networked Cages for Enhanced CO₂ Capture and Sensing. Advanced Science, 2018, 5, 1800141.	11.2	65
13	Self-Assembly of Triptycene-Based Cylindrical Macrotricyclic Host with Dibenzylammonium Ions:â€‰ Construction of Dendritic [3]Pseudorotaxanes. Organic Letters, 2006, 8, 1859-1862.	4.6	61
14	Three-Dimensional Nanographene Based on Triptycene: Synthesis and Its Application in Fluorescence Imaging. Organic Letters, 2012, 14, 5912-5915.	4.6	59
15	Multicolor Emissions by the Synergism of Intra/Intermolecular Slipped Ï€â€“Ï€ Stackings of Tetraphenylethylene-DiBODIPY Conjugate. Chemistry of Materials, 2015, 27, 7812-7819.	6.7	58
16	Triptycene-based microporous polyimides: Synthesis and their high selectivity for CO2 capture. Polymer, 2014, 55, 3642-3647.	3.8	55
17	Tetraphenylethylene-Based Expanded Oxacalixarene: Synthesis, Structure, and Its Supramolecular Grid Assemblies Directed by Guests in the Solid State. Journal of Organic Chemistry, 2014, 79, 2729-2732.	3.2	53
18	A Highly Reversible Mechanochromic Difluorobenzothiadiazole Dye with Nearâ€Infrared Emission. Chemistry - A European Journal, 2018, 24, 3671-3676.	3.3	52

#	Article	IF	Citations
19	Organic microporous polymer from a hexaphenylbenzene based triptycene monomer: synthesis and its gas storage properties. Polymer Chemistry, 2013, 4, 3663.	3.9	41
20	Microporous Polymers from a Carbazoleâ€Based Triptycene Monomer: Synthesis and Their Applications for Gas Uptake. Chemistry - an Asian Journal, 2016, 11, 294-298.	3.3	36
21	Hyperporous Carbon from Triptyceneâ€Based Hypercrosslinked Polymer for Iodine Capture. Advanced Materials Interfaces, 2019, 6, 1900249.	3.7	35
22	Synthesis and properties of organic microporous polymers from the monomer of hexaphenylbenzene based triptycene. Polymer, 2016, 82, 100-104.	3.8	32
23	A triptycene-based two-dimensional porous organic polymeric nanosheet. Polymer Chemistry, 2017, 8, 5533-5538.	3.9	32
24	Synthesis and properties of triptycene-based microporous polymers. Polymer, 2013, 54, 6942-6946.	3.8	31
25	Triptyceneâ€based Chiral Porous Polyimides for Enantioselective Membrane Separation. Angewandte Chemie - International Edition, 2021, 60, 12781-12785.	13.8	31
26	Controllable synthesis of hollow mesoporous silica nanoparticles templated by kinetic self-assembly using a gemini surfactant. RSC Advances, 2013, 3, 16304.	3.6	27
27	Synthesis and analysis of hydroxyl substituted triptycene adducts: the competitive recognition between the hydroxyl substituted triptycenes with 4, 4â€²-bipyridine and solvent molecules. CrystEngComm, 2010, 12, 3255.	2.6	25
28	Porous Triphenylbenzene-Based Bicyclooxacalixarene Cage for Selective Adsorption of CO₂/N₂. Organic Letters, 2016, 18, 4574-4577.	4.6	24
29	Electrospun nanofibrous membrane of porous fluorine-containing triptycene-based polyimides for oil/water separation. RSC Advances, 2017, 7, 22548-22552.	3.6	24
30	Porous Organic Polymer from Aggregation-Induced Emission Macrocycle for White-Light Emission. Macromolecules, 2018, 51, 7863-7871.	4.8	24
31	Altering synthetic fragments to tune the AIE properties and self-assemble grid-like structures of TPE-based oxacalixarenes. RSC Advances, 2015, 5, 76670-76674.	3.6	20
32	Heteroatom Engineering of Hyper-Cross-Linked Polymers for Iodine Capture. ACS Applied Polymer Materials, 2021, 3, 209-215.	4.4	20
33	Selective killing of hepatocellular carcinoma HepG2 cells by three-dimensional nanographene nanoparticles based on triptycene. Nanoscale, 2015, 7, 5217-5229.	5.6	19
34	Three-dimensional nanographene based on triptycene for detection of nitroaromatic explosives. Tetrahedron Letters, 2014, 55, 6277-6280.	1.4	17
35	Supramolecular Gelâ€Assisted Formation of Fullerene Nanorods. Chemistry - A European Journal, 2012, 18, 14954-14956.	3.3	16
36	Tetraphenylethylene Foldamers with Double Hairpinâ€Turn Linkers, TNTâ€Binding Mode and Detection of Highly Diluted TNT Vapor. Chemistry - A European Journal, 2018, 24, 2004-2012.	3.3	15

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37	Synthesis and structures of Hexa-peri-hexabenzocoronene-based triptycenes. Tetrahedron Letters, 2014, 55, 521-524.	1.4	14
38	Hyperporousâ€Carbonâ€Supported Nonprecious Metal Electrocatalysts for the Oxygen Reduction Reaction. Chemistry - an Asian Journal, 2018, 13, 2671-2676.	3.3	13
39	Efficient synthesis and resolution of meta-substituted inherently chiral aminocalix[4]arene derivatives. Science Bulletin, 2010, 55, 2859-2869.	1.7	12
40	Microfluidization-assisted synthesis of hollow mesoporous silica nanoparticles. Journal of Sol-Gel Science and Technology, 2013, 67, 501-506.	2.4	12
41	Enhancement of saccharification and ethanol conversion from tobacco stalks by chemical pretreatment. Biomass Conversion and Biorefinery, 2021, 11, 1085-1092.	4.6	12
42	A robust glycan labeling strategy using a new cationic hydrazide tag for MALDI-MS-based rapid and sensitive glycomics analysis. Talanta, 2020, 219, 121356.	5.5	12
43	One-step preparation of multifunctional alginate microspheres loaded with in situ-formed gold nanostars as a photothermal agent. Materials Chemistry Frontiers, 2019, 3, 2018-2024.	5.9	10
44	Microporous polymer based on hexaazatriphenylene-fused triptycene for CO2 capture and conversion. Science China Materials, 2020, 63, 429-436.	6.3	9
45	Molecular Engineering for Organic Cage Frameworks with Fixed Pore Size to Tune Their Porous Properties and Improve CO₂ Capture. ACS Applied Polymer Materials, 2021, 3, 171-177.	4.4	9
46	Gemini Surfactants Templated Mesoporous Silica Microparticles: from Solid to Hollow Mesoporous Spheres. Chinese Journal of Chemistry, 2017, 35, 1706-1710.	4.9	9
47	Switching porosity of stable triptycene-based cageviasolution-state assembly processes. RSC Advances, 2020, 10, 9088-9092.	3.6	8
48	Emissive oxidase-like nanozyme based on an organic molecular cage. Chemical Communications, 2021, 57, 11541-11544.	4.1	8
49	Pentiptycene-based microporous polymer for removal of organic dyes from water. European Polymer Journal, 2019, 120, 109216.	5.4	7
50	Porous carbon from tobacco stalk for removal of organic dyes from water. RSC Advances, 2019, 9, 33848-33852.	3.6	6
51	Triptyceneâ€based Chiral Porous Polyimides for Enantioselective Membrane Separation. Angewandte Chemie, 2021, 133, 12891-12895.	2.0	6
52	Synthesis, Structure and Properties of Benzo[1,2â€f:5,4â€fâ€²]â€diquinoline Derivatives: A Remarkably Strong Intramolecular Cï£¿HÂ·Â·Â·O Hydrogen Bond. Chinese Journal of Chemistry, 2011, 29, 2606-2610.	4.9	5
53	Synthesis of Nitrogenâ€Containing Chiral Calix[4]arene Crown and Semiâ€crown Ether. Synthetic Communications, 2004, 34, 679-688.	2.1	4
54	Temperature-sensitive poly(phenyleneethynylene) nanomedicines for intracellular tracking via fluorescence resonance energy transfer. Polymer Chemistry, 2018, 9, 1045-1051.	3.9	3

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55	Efficient alkaloid capture from water using a charged porous organic polymer. RSC Advances, 2018, 8, 33398-33402.	3.6	3
56	Highly covalent molecular cage based porous organic polymer: pore size control and pore property enhancement. RSC Advances, 2022, 12, 16486-16490.	3.6	2
57	Bromine Bonding Induced Selective Recognition of Different Guests for Hexaphenylbenzene Bromides in the Solid State. Chinese Journal of Chemistry, 2015, 33, 1031-1036.	4.9	1
58	Frontispiece: A Highly Reversible Mechanochromic Difluorobenzothiadiazole Dye with Nearâ€Infrared Emission. Chemistry - A European Journal, 2018, 24, .	3.3	0