Ming Liu

List of Publications by Year
in descending order

60	4,840	126858	149623
papers	citations	33 h-index	56 g-index

64	64	64	5854
all docs	docs citations	times ranked	citing authors

#	Article	IF	Citations
1	Tuning Material Properties of Porous Organic Cage CC3 with Postsynthetic Dynamic Covalent Chemistry. European Journal of Organic Chemistry, 2022, 2022, e202101507.	1.2	2
2	Optimal Recognition of Volleyball Playerâ€™s Arm Movement Track Based on Embedded Microprocessor. Wireless Communications and Mobile Computing, 2022, 2022, 1-11.	0.8	0
3	Room temperature all-solid-state lithium batteries based on a soluble organic cage ionic conductor. Nature Communications, 2022, 13, 2031.	5.8	19
4	Massage on Muscle Enzyme Histochemical Changes of Sport Peripheral Nerve Injury in Wushu. Integrated Ferroelectrics, 2022, 226, 219-230.	0.3	0
5	Hydrogen Isotope Separation Using a Metalâ€“Organic Cage Built from Macrocycles. Angewandte Chemie - International Edition, 2022, 61, .	7.2	14
6	Doubleâ€Cavity Norâ€Secoâ€Cucurbit[10]uril Enables Efficient and Rapid Separation of Pyridine from Mixtures of Toluene, Benzene, and Pyridine. Angewandte Chemie, 2022, 134, .	1.6	2
7	Robust Supramolecular Nanoâ€Tunnels Built from Molecular Bricks**. Angewandte Chemie - International Edition, 2021, 60, 7148-7154.	7.2	28
8	Robust Supramolecular Nanoâ€Tunnels Built from Molecular Bricks**. Angewandte Chemie, 2021, 133, 7224-7230.	1.6	4
9	Creating porosity in a trianglimine macrocycle by heterochiral pairing. Chemical Communications, 2021, 57, 6141-6144.	2.2	12
10	Pyridine Detection Using Supramolecular Organic Frameworks Incorporating Cucurbit[10]uril. ACS Applied Materials & Interfaces, 2021, 13, 7434-7442.	4.0	63
11	Inherent Ethyl Acetate Selectivity in a Trianglimine Molecular Solid. Chemistry - A European Journal, 2021, 27, 10589-10594.	1.7	6
12	Dynamics in Flexible Pillar[n]arenes Probed by Solid-State NMR. Journal of Physical Chemistry C, 2021, 125, 13370-13381.	1.5	5
13	InnenrÃ¼cktitelbild: SO₂ Capture Using Porous Organic Cages (Angew. Chem. 32/2021). Angewandte Chemie, 2021, 133, 17891-17891.	1.6	0
14	SO₂ Capture Using Porous Organic Cages. Angewandte Chemie, 2021, 133, 17697-17704.	1.6	3
15	SO₂ Capture Using Porous Organic Cages. Angewandte Chemie - International Edition, 2021, 60, 17556-17563.	7.2	85
16	Polymeric Fiber Sorbents Embedded with Porous Organic Cages. ACS Applied Materials & Interfaces, 2021, 13, 47118-47126.	4.0	9
17	Vapochromic crystals: understanding vapochromism from the perspective of crystal engineering. Chemical Society Reviews, 2020, 49, 1517-1544.	18.7	166
18	Barely porous organic cages for hydrogen isotope separation. Science, 2019, 366, 613-620.	6.0	210

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19	An interwoven MoO₃@CNT scaffold interlayer for high-performance lithiumâ€“sulfur batteries. Journal of Materials Chemistry A, 2018, 6, 8612-8619.	5.2	141
20	Linear Positional Isomer Sorting in Nonporous Adaptive Crystals of a Pillar[5]arene. Journal of the American Chemical Society, 2018, 140, 3190-3193.	6.6	132
21	Influence of Geometry of Inlet Guide Vanes on Pressure Fluctuations of a Centrifugal Pump. Journal of Fluids Engineering, Transactions of the ASME, 2018, 140, .	0.8	65
22	Electrosprayed porous Fe3O4/carbon microspheres as anode materials for high-performance lithium-ion batteries. Nano Research, 2018, 11, 892-904.	5.8	110
23	Design Method of Controllable Blade Angle and Orthogonal Optimization of Pressure Rise for a Multiphase Pump. Energies, 2018, 11, 1048.	1.6	57
24	Near-Ideal Xylene Selectivity in Adaptive Molecular Pillar[n]arene Crystals. Journal of the American Chemical Society, 2018, 140, 6921-6930.	6.6	191
25	Suppressing Selfâ€Discharge and Shuttle Effect of Lithiumâ€“Sulfur Batteries with V₂O₅â€Decorated Carbon Nanofiber Interlayer. Small, 2017, 13, 1602539.	5.2	190
26	Siliconâ€Sulfur Batteries: A Novel Lithiated Siliconâ€“Sulfur Battery Exploiting an Optimized Solidâ€Like Electrolyte to Enhance Safety and Cycle Life (Small 3/2017). Small, 2017, 13, .	5.2	0
27	A review of gassing behavior in Li₄Ti₅O₁₂-based lithium ion batteries. Journal of Materials Chemistry A, 2017, 5, 6368-6381.	5.2	157
28	Styrene Purification by Guest-Induced Restructuring of Pillar[6]arene. Journal of the American Chemical Society, 2017, 139, 2908-2911.	6.6	191
29	Recent innovative configurations in high-energy lithiumâ€“sulfur batteries. Journal of Materials Chemistry A, 2017, 5, 5222-5234.	5.2	115
30	Modular assembly of porous organic cage crystals: isoreticular quasiracemates and ternary co-crystal. CrystEngComm, 2017, 19, 4933-4941.	1.3	18
31	Structural water as an essential comonomer in supramolecular polymerization. Science Advances, 2017, 3, eaao0900.	4.7	139
32	A Novel Lithiated Siliconâ€“Sulfur Battery Exploiting an Optimized Solidâ€Like Electrolyte to Enhance Safety and Cycle Life. Small, 2017, 13, 1602015.	5.2	33
33	Influence of Prewhirl Angle and Axial Distance on Energy Performance and Pressure Fluctuation for a Centrifugal Pump with Inlet Guide Vanes. Energies, 2017, 10, 695.	1.6	40
34	Porous Organic Cage Thin Films and Molecularâ€Sieving Membranes. Advanced Materials, 2016, 28, 2629-2637.	11.1	275
35	Molecular Sieves: Porous Organic Cage Thin Films and Molecularâ€Sieving Membranes (Adv. Mater.) Tj ETQq1 1 0.784314 rgBT /Over	11.1	1
36	Ultrafine TiO₂ Decorated Carbon Nanofibers as Multifunctional Interlayer for High-Performance Lithiumâ€“Sulfur Battery. ACS Applied Materials & Interfaces, 2016, 8, 23105-23113.	4.0	200

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37	Cyclized-polyacrylonitrile modified carbon nanofiber interlayers enabling strong trapping of polysulfides in lithiumâ€“sulfur batteries. Journal of Materials Chemistry A, 2016, 4, 12973-12980.	5.2	64
38	Three-dimensional protonic conductivity in porous organic cage solids. Nature Communications, 2016, 7, 12750.	5.8	133
39	SiO₂ Hollow Nanosphereâ€Based Composite Solid Electrolyte for Lithium Metal Batteries to Suppress Lithium Dendrite Growth and Enhance Cycle Life. Advanced Energy Materials, 2016, 6, 1502214.	10.2	346
40	Electrolytes: In Situ Synthesis of a Hierarchical All-Solid-State Electrolyte Based on Nitrile Materials for High-Performance Lithium-Ion Batteries (Adv. Energy Mater. 15/2015). Advanced Energy Materials, 2015, 5, n/a-n/a.	10.2	2
41	In Situ Synthesis of a Hierarchical Allâ€Solidâ€State Electrolyte Based on Nitrile Materials for Highâ€Performance Lithiumâ€Ion Batteries. Advanced Energy Materials, 2015, 5, 1500353.	10.2	300
42	Synthesis, characterization, and ion-complexing properties of polymers displaying densely packed arrays of crown-ethers as lateral substituents. Journal of Polymer Science Part A, 2014, 52, 2337-2345.	2.5	2
43	Acid- and Base-Stable Porous Organic Cages: Shape Persistence and pH Stability via Post-synthetic â€œTyingâ€•of a Flexible Amine Cage. Journal of the American Chemical Society, 2014, 136, 7583-7586.	6.6	192
44	Dodecaamide Cages: Organic 12-Arm Building Blocks for Supramolecular Chemistry. Journal of the American Chemical Society, 2013, 135, 10007-10010.	6.6	50
45	Liâ€ion Reaction to Improve the Rate Performance of Nanoporous Anatase TiO₂ Anodes. Energy Technology, 2013, 1, 668-674.	1.8	30
46	A polymeric membrane permeabilizer displaying densely packed arrays of crown ether lateral substituents. RSC Advances, 2012, 2, 8606-8609.	1.7	4
47	Self-Assembly of Amphiphilic Liquid Crystal Polymers Obtained from a Cyclopropane-1,1-Dicarboxylate Bearing a Cholesteryl Mesogen. Langmuir, 2012, 28, 11215-11224.	1.6	25
48	Negatively charged crown ethers for binding paraquat in water. Science China Chemistry, 2010, 53, 1074-1080.	4.2	4
49	Metal Coordination Mediated Reversible Conversion between Linear and Crossâ€Linked Supramolecular Polymers. Angewandte Chemie - International Edition, 2010, 49, 1090-1094.	7.2	415
50	Selectivity Algorithm for the Formation of Two Cryptand/Paraquat Catenanes. Organic Letters, 2010, 12, 760-763.	2.4	57
51	Photoresponsive Hostâ^'Guest Systems Based on a New Azobenzene-Containing Crytpand. Organic Letters, 2010, 12, 2558-2561.	2.4	100
52	Efficient syntheses of bis(m-phenylene)-26-crown-8-based cryptand/paraquat derivative [2]rotaxanes by immediate solvent evaporation method. Tetrahedron, 2009, 65, 1488-1494.	1.0	35
53	Synthesis of Bis(m-phenylene)-32-crown-10-Based Discrete Rhomboids Driven by Metal-Coordination and Complexation with Paraquat. Journal of Organic Chemistry, 2009, 74, 3905-3912.	1.7	25
54	Taco Complex Templated Syntheses of a Cryptand/Paraquat [2]Rotaxane and a [2]Catenane by Olefin Metathesis. Organic Letters, 2009, 11, 3350-3353.	2.4	113

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55	Three-dimensional bis(m-phenylene)-32-crown-10-based cryptand/paraquat catenanes. Organic and Biomolecular Chemistry, 2009, 7, 1288.	1.5	44
56	Preparation of Bis(mâ€phenylene)â€32â€crownâ€10â€Based Cryptand/Bisparaquat [3]Rotaxanes with High Efficiency. European Journal of Organic Chemistry, 2008, 2008, 6128-6133.	1.2	33
57	Binding of secondary dialkylammonium salts by pyrido-21-crown-7. Tetrahedron Letters, 2008, 49, 6917-6920.	0.7	28
58	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.	1.5	54
59	Host size effect in the complexation of two bis(m-phenylene)-32-crown-10-based cryptands with a diazapyrenium salt. Tetrahedron Letters, 2007, 48, 7537-7541.	0.7	19
60	Hydrogen isotope separation using a metalâ€organic cage built from macrocycles. Angewandte Chemie, 0, , .	1.6	2