Marc A Little

List of Publications by Year
in descending order

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68	5,938	101543	95266
papers	citations	36 h-index	68 g-index

73	73	73	5721
all docs	docs citations	times ranked	citing authors

#	Article	IF	Citations
1	A smart and responsive crystalline porous organic cage membrane with switchable pore apertures for graded molecular sieving. Nature Materials, 2022, 21, 463-470.	27.5	108
2	Reconstructed covalent organic frameworks. Nature, 2022, 604, 72-79.	27.8	190
3	A Pyrene-4,5,9,10-Tetraone-Based Covalent Organic Framework Delivers High Specific Capacity as a Li-Ion Positive Electrode. Journal of the American Chemical Society, 2022, 144, 9434-9442.	13.7	77
4	Analogy Powered by Prediction and Structural Invariants: Computationally Led Discovery of a Mesoporous Hydrogen-Bonded Organic Cage Crystal. Journal of the American Chemical Society, 2022, 144, 9893-9901.	13.7	33
5	Hydrogen Isotope Separation Using a Metalâ€“Organic Cage Built from Macrocycles. Angewandte Chemie - International Edition, 2022, 61, .	13.8	14
6	Creating porosity in a trianglimine macrocycle by heterochiral pairing. Chemical Communications, 2021, 57, 6141-6144.	4.1	12
7	Crystallography companion agent for high-throughput materials discovery. Nature Computational Science, 2021, 1, 290-297.	8.0	38
8	Inherent Ethyl Acetate Selectivity in a Trianglimine Molecular Solid. Chemistry - A European Journal, 2021, 27, 10589-10594.	3.3	6
9	Integrated Covalent Organic Framework/Carbon Nanotube Composite as Liâ€Ion Positive Electrode with Ultraâ€High Rate Performance. Advanced Energy Materials, 2021, 11, 2101880.	19.5	73
10	A Cubic 3D Covalent Organic Framework with nbo Topology. Journal of the American Chemical Society, 2021, 143, 15011-15016.	13.7	87
11	Organic cage inclusion crystals exhibiting guest-enhanced multiphoton harvesting. CheM, 2021, 7, 3157-3170.	11.7	6
12	Nano-assemblies of a soluble conjugated organic polymer and an inorganic semiconductor for sacrificial photocatalytic hydrogen production from water. Nanoscale, 2020, 12, 24488-24494.	5.6	14
13	Crosslinked Polyimide and Reduced Graphene Oxide Composites as Long Cycle Life Positive Electrode for Lithiumâ€Ion Cells. ChemSusChem, 2020, 13, 5571-5579.	6.8	14
14	Structureâ€“activity relationships in well-defined conjugated oligomer photocatalysts for hydrogen production from water. Chemical Science, 2020, 11, 8744-8756.	7.4	41
15	3D Cage COFs: A Dynamic Three-Dimensional Covalent Organic Framework with High-Connectivity Organic Cage Nodes. Journal of the American Chemical Society, 2020, 142, 16842-16848.	13.7	174
16	Inducing Social Selfâ€Sorting in Organic Cages To Tune The Shape of The Internal Cavity. Angewandte Chemie, 2020, 132, 16898-16906.	2.0	15
17	Inducing Social Selfâ€Sorting in Organic Cages To Tune The Shape of The Internal Cavity. Angewandte Chemie - International Edition, 2020, 59, 16755-16763.	13.8	41
18	Photocatalytic proton reduction by a computationally identified, molecular hydrogen-bonded framework. Journal of Materials Chemistry A, 2020, 8, 7158-7170.	10.3	45

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19	Organic heterojunctions for direct solar fuel generation. Communications Chemistry, 2020, 3, .	4.5	9
20	An Expandable Hydrogen-Bonded Organic Framework Characterized by Three-Dimensional Electron Diffraction. Journal of the American Chemical Society, 2020, 142, 12743-12750.	13.7	70
21	The Chemistry of Porous Organic Molecular Materials. Advanced Functional Materials, 2020, 30, 1909842.	14.9	224
22	Organic Cage Dumbbells. Chemistry - A European Journal, 2020, 26, 3718-3722.	3.3	19
23	From Concept to Crystals via Prediction: Multiâ€Component Organic Cage Pots by Social Selfâ€Sorting. Angewandte Chemie, 2019, 131, 16421-16427.	2.0	23
24	Barely porous organic cages for hydrogen isotope separation. Science, 2019, 366, 613-620.	12.6	210
25	From Concept to Crystals via Prediction: Multiâ€Component Organic Cage Pots by Social Selfâ€Sorting. Angewandte Chemie - International Edition, 2019, 58, 16275-16281.	13.8	52
26	Mining predicted crystal structure landscapes with high throughput crystallisation: old molecules, new insights. Chemical Science, 2019, 10, 9988-9997.	7.4	61
27	Synthesis of a Large, Shape-Flexible, Solvatomorphic Porous Organic Cage. Crystal Growth and Design, 2019, 19, 3647-3651.	3.0	21
28	Control of conformation in Î±-helix mimicking aromatic oligoamide foldamers through interactions between adjacent side-chains. Organic and Biomolecular Chemistry, 2019, 17, 3861-3867.	2.8	11
29	Cage Doubling: Solvent-Mediated Re-equilibration of a [3 + 6] Prismatic Organic Cage to a Large [6 + 12] Truncated Tetrahedron. Crystal Growth and Design, 2018, 18, 2759-2764.	3.0	34
30	A solution-processable dissymmetric porous organic cage. Molecular Systems Design and Engineering, 2018, 3, 223-227.	3.4	26
31	Sulfone-containing covalent organic frameworks for photocatalytic hydrogen evolution from water. Nature Chemistry, 2018, 10, 1180-1189.	13.6	883
32	Computational modelling of solvent effects in a prolific solvatomorphic porous organic cage. Faraday Discussions, 2018, 211, 383-399.	3.2	33
33	High-throughput discovery of organic cages and catenanes using computational screening fused with robotic synthesis. Nature Communications, 2018, 9, 2849.	12.8	131
34	Near-Ideal Xylene Selectivity in Adaptive Molecular Pillar[n]arene Crystals. Journal of the American Chemical Society, 2018, 140, 6921-6930.	13.7	191
35	Styrene Purification by Guest-Induced Restructuring of Pillar[6]arene. Journal of the American Chemical Society, 2017, 139, 2908-2911.	13.7	191
36	Chirality as a tool for function in porous organic cages. Nanoscale, 2017, 9, 6783-6790.	5.6	31

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37	Computationally-Guided Synthetic Control over Pore Size in Isostructural Porous Organic Cages. ACS Central Science, 2017, 3, 734-742.	11.3	68
38	Modular assembly of porous organic cage crystals: isoreticular quasiracemates and ternary co-crystal. CrystEngComm, 2017, 19, 4933-4941.	2.6	18
39	Functional materials discovery using energyâ€“structureâ€“function maps. Nature, 2017, 543, 657-664.	27.8	348
40	Reticular synthesis of porous molecular 1D nanotubes and 3D networks. Nature Chemistry, 2017, 9, 17-25.	13.6	122
41	A Unified Treatment of the Relationship Between Ligand Substituents and Spin State in a Family of Iron(II) Complexes. Angewandte Chemie, 2016, 128, 4399-4403.	2.0	24
42	A Unified Treatment of the Relationship Between Ligand Substituents and Spin State in a Family of Iron(II) Complexes. Angewandte Chemie - International Edition, 2016, 55, 4327-4331.	13.8	148
43	Peripheryâ€Functionalized Porous Organic Cages. Chemistry - A European Journal, 2016, 22, 16547-16553.	3.3	38
44	Three-dimensional protonic conductivity in porous organic cage solids. Nature Communications, 2016, 7, 12750.	12.8	133
45	Porous Organic Cages for Sulfur Hexafluoride Separation. Journal of the American Chemical Society, 2016, 138, 1653-1659.	13.7	200
46	The effect of solvent choice on the gelation and final hydrogel properties of Fmocâ€“diphenylalanine. Soft Matter, 2015, 11, 927-935.	2.7	135
47	Trapping virtual pores by crystal retro-engineering. Nature Chemistry, 2015, 7, 153-159.	13.6	52
48	Hydrogels formed from Fmoc amino acids. CrystEngComm, 2015, 17, 8047-8057.	2.6	92
49	Dynamic flow synthesis of porous organic cages. Chemical Communications, 2015, 51, 17390-17393.	4.1	52
50	Hexasulfanyl analogues of cyclotriveratrylene. Tetrahedron Letters, 2014, 55, 2530-2533.	1.4	5
51	Iron(ii) complexes of 2,6-di(1H-pyrazol-3-yl)-pyridine derivatives with hydrogen bonding and sterically bulky substituents. Dalton Transactions, 2014, 43, 7577.	3.3	27
52	Predicted crystal energy landscapes of porous organic cages. Chemical Science, 2014, 5, 2235-2245.	7.4	73
53	Complex thermal expansion properties in a molecular honeycomb lattice. Chemical Communications, 2014, 50, 7601.	4.1	7
54	Guest control of structure in porous organic cages. Chemical Communications, 2014, 50, 9465-9468.	4.1	65

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55	Separation of rare gases and chiral molecules by selective binding in porous organic cages. Nature Materials, 2014, 13, 954-960.	27.5	532
56	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.	13.7	192
57	Controlling the Crystallization of Porous Organic Cages: Molecular Analogs of Isoreticular Frameworks Using Shape-Specific Directing Solvents. Journal of the American Chemical Society, 2014, 136, 1438-1448.	13.7	122
58	Isostructural salts of the same complex showing contrasting thermal spin-crossover mediated by multiple phase changes. Chemical Communications, 2013, 49, 6280.	4.1	26
59	A bis(disulfide)-linked offset cryptophane. Chemical Communications, 2013, 49, 1512.	4.1	8
60	Iron(II) complexes of 2,6-di(1-alkylpyrazol-3-yl)pyridine derivatives â€“ The influence of distal substituents on the spin state of the iron centre. Polyhedron, 2013, 64, 4-12.	2.2	20
61	Electrochemical Synthesis of a Tetradentate Copper N-Heterocyclic Carbene Calix[4]arene and Its Transmetalation to Palladium: Activity of the Palladium Complex in Suzukiâ€“Miyaura Cross-Coupling. Organometallics, 2013, 32, 570-577.	2.3	42
62	Tetrakis(methylimidazole) and tetrakis(methylimidazolium) calix[4]arenes: competitive anion binding and deprotonation. Organic and Biomolecular Chemistry, 2012, 10, 2824.	2.8	13
63	Rhodium-catalysed isomerisation/formal 1,3-dipolar cycloaddition cascades to fused-ring heterocycles. Chemical Communications, 2012, 48, 9537.	4.1	20
64	Simple and versatile selective synthesis of neutral and cationic copper(i) N-heterocyclic carbene complexes using an electrochemical procedure. Chemical Communications, 2012, 48, 4887.	4.1	45
65	Synthesis and Methaneâ€Binding Properties of Disulfideâ€Linked Cryptophaneâ€0.0.0. Angewandte Chemie - International Edition, 2012, 51, 764-766.	13.8	40
66	New coordination polymers with extended arm cyclotriguaiacyclene ligands: 1D chains, and interpenetrating or polycatenating 2D (42.62)(4.62)2 networks. Dalton Transactions, 2011, 40, 12217.	3.3	17
67	Ag(I) Organometallic Coordination Polymers and Capsule with Tris-Allyl Cyclotriveratrylene Derivatives. Inorganic Chemistry, 2010, 49, 9486-9496.	4.0	35
68	Hydrogen isotope separation using a metalâ€•organic cage built from macrocycles. Angewandte Chemie, 0, , .	2.0	2