Linjiang Chen

List of Publications by Year
in descending order

40 papers	4,340 citations	236612 25 h-index	276539 41 g-index
43 all docs	43 docs citations	43 times ranked	4770 citing authors

#	Article	IF	Citations
1	Sulfone-containing covalent organic frameworks for photocatalytic hydrogen evolution from water. Nature Chemistry, 2018, 10, 1180-1189.	6.6	883
2	Separation of rare gases and chiral molecules by selective binding in porous organic cages. Nature Materials, 2014, 13, 954-960.	13.3	532
3	Functional materials discovery using energyâ€“structureâ€“function maps. Nature, 2017, 543, 657-664.	13.7	348
4	A stable covalent organic framework for photocatalytic carbon dioxide reduction. Chemical Science, 2020, 11, 543-550.	3.7	265
5	Hydrophilic microporous membranes for selective ion separation and flow-battery energy storage. Nature Materials, 2020, 19, 195-202.	13.3	237
6	Barely porous organic cages for hydrogen isotope separation. Science, 2019, 366, 613-620.	6.0	210
7	Porous Organic Cages for Sulfur Hexafluoride Separation. Journal of the American Chemical Society, 2016, 138, 1653-1659.	6.6	200
8	Styrene Purification by Guest-Induced Restructuring of Pillar[6]arene. Journal of the American Chemical Society, 2017, 139, 2908-2911.	6.6	191
9	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.	6.6	174
10	Synthesis of Stable Thiazole-Linked Covalent Organic Frameworks via a Multicomponent Reaction. Journal of the American Chemical Society, 2020, 142, 11131-11138.	6.6	158
11	Layered microporous polymers by solvent knitting method. Science Advances, 2017, 3, e1602610.	4.7	135
12	Three-dimensional protonic conductivity in porous organic cage solids. Nature Communications, 2016, 7, 12750.	5.8	133
13	A Cubic 3D Covalent Organic Framework with nbo Topology. Journal of the American Chemical Society, 2021, 143, 15011-15016.	6.6	87
14	How Reproducible are Surface Areas Calculated from the BET Equation?. Advanced Materials, 2022, 34, .	11.1	82
15	Covalent Organic Framework Nanosheets Embedding Single Cobalt Sites for Photocatalytic Reduction of Carbon Dioxide. Chemistry of Materials, 2020, 32, 9107-9114.	3.2	79
16	Computationally-Guided Synthetic Control over Pore Size in Isostructural Porous Organic Cages. ACS Central Science, 2017, 3, 734-742.	5.3	68
17	Trapping virtual pores by crystal retro-engineering. Nature Chemistry, 2015, 7, 153-159.	6.6	52
18	Combining machine learning and high-throughput experimentation to discover photocatalytically active organic molecules. Chemical Science, 2021, 12, 10742-10754.	3.7	52

#	Article	IF	Citations
19	Crystallization of Covalent Triazine Frameworks via a Heterogeneous Nucleation Approach for Efficient Photocatalytic Applications. Chemistry of Materials, 2021, 33, 1994-2003.	3.2	48
20	Coreâ€“Shell Crystals of Porous Organic Cages. Angewandte Chemie - International Edition, 2018, 57, 11228-11232.	7.2	45
21	Photocatalytic proton reduction by a computationally identified, molecular hydrogen-bonded framework. Journal of Materials Chemistry A, 2020, 8, 7158-7170.	5.2	45
22	Understanding static, dynamic and cooperative porosity in molecular materials. Chemical Science, 2016, 7, 4875-4879.	3.7	43
23	Inside information on xenon adsorption in porous organic cages by NMR. Chemical Science, 2017, 8, 5721-5727.	3.7	37
24	Oriented Twoâ€Dimensional Porous Organic Cage Crystals. Angewandte Chemie - International Edition, 2017, 56, 9391-9395.	7.2	33
25	Digital navigation of energyâ€“structureâ€“function maps for hydrogen-bonded porous molecular crystals. Nature Communications, 2021, 12, 817.	5.8	31
26	1,3-Diyne-Linked Conjugated Microporous Polymer for Selective CO₂ Capture. Industrial & Engineering Chemistry Research, 2018, 57, 9254-9260.	1.8	23
27	Geometric landscapes for material discovery within energyâ€“structureâ€“function maps. Chemical Science, 2020, 11, 5423-5433.	3.7	23
28	Efficient separation of propane and propene by a hypercrosslinked polymer doped with Ag(<scp>i</scp>). Journal of Materials Chemistry A, 2019, 7, 25521-25525.	5.2	21
29	Coreâ€“Shell Crystals of Porous Organic Cages. Angewandte Chemie, 2018, 130, 11398-11402.	1.6	14
30	Sub-4 nm Nanodiamonds from Graphene-Oxide and Nitrated Polycyclic Aromatic Hydrocarbons at 423 K. ACS Nano, 2021, 15, 17392-17400.	7.3	13
31	Accelerating computational discovery of porous solids through improved navigation of energy-structure-function maps. Science Advances, 2021, 7, .	4.7	13
32	Oriented Twoâ€Dimensional Porous Organic Cage Crystals. Angewandte Chemie, 2017, 129, 9519-9523.	1.6	13
33	NMR relaxation and modelling study of the dynamics of SF6 and Xe in porous organic cages. Physical Chemistry Chemical Physics, 2019, 21, 24373-24382.	1.3	12
34	First-principles computational investigation of nitrogen-doped carbon nanotubes as anode materials for lithium-ion and potassium-ion batteries. RSC Advances, 2019, 9, 17299-17307.	1.7	11
35	In Silico Tuning of the Pore Surface Functionality in Al-MOFs for Trace CH₃I Capture. ACS Omega, 2021, 6, 18169-18177.	1.6	10
36	Inherent Ethyl Acetate Selectivity in a Trianglimine Molecular Solid. Chemistry - A European Journal, 2021, 27, 10589-10594.	1.7	6

#	Article	IF	Citations
37	Pyreneâ€based hypercrosslinked microporous resins for effective CO₂ capture. Journal of Applied Polymer Science, 2019, 136, 47448.	1.3	4
38	Understanding the effect of host flexibility on the adsorption of CH₄, CO₂ and SF₆ in porous organic cages. Zeitschrift Fur Kristallographie - Crystalline Materials, 2019, 234, 547-555.	0.4	3
39	Exploring cooperative porosity in organic cage crystals using <i>in situ</i> diffraction and molecular simulations. Faraday Discussions, 2021, 225, 100-117.	1.6	1
40	Innentitelbild: Core-Shell Crystals of Porous Organic Cages (Angew. Chem. 35/2018). Angewandte Chemie, 2018, 130, 11250-11250.	1.6	0