

Linjiang Chen

List of Publications by Year in descending order

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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	How Reproducible are Surface Areas Calculated from the BET Equation?. <i>Advanced Materials</i> , 2022, 34, .	11.1	82
2	Exploring cooperative porosity in organic cage crystals using <i>in situ</i> diffraction and molecular simulations. <i>Faraday Discussions</i> , 2021, 225, 100-117.	1.6	1
3	Combining machine learning and high-throughput experimentation to discover photocatalytically active organic molecules. <i>Chemical Science</i> , 2021, 12, 10742-10754.	3.7	52
4	Digital navigation of energy-structure-function maps for hydrogen-bonded porous molecular crystals. <i>Nature Communications</i> , 2021, 12, 817.	5.8	31
5	Crystallization of Covalent Triazine Frameworks via a Heterogeneous Nucleation Approach for Efficient Photocatalytic Applications. <i>Chemistry of Materials</i> , 2021, 33, 1994-2003.	3.2	48
6	Inherent Ethyl Acetate Selectivity in a Trianglimine Molecular Solid. <i>Chemistry - A European Journal</i> , 2021, 27, 10589-10594.	1.7	6
7	Sub-4 nm Nanodiamonds from Graphene-Oxide and Nitrated Polycyclic Aromatic Hydrocarbons at 423 K. <i>ACS Nano</i> , 2021, 15, 17392-17400.	7.3	13
8	In Silico Tuning of the Pore Surface Functionality in Al-MOFs for Trace CH ₃ I Capture. <i>ACS Omega</i> , 2021, 6, 18169-18177.	1.6	10
9	Accelerating computational discovery of porous solids through improved navigation of energy-structure-function maps. <i>Science Advances</i> , 2021, 7, .	4.7	13
10	A Cubic 3D Covalent Organic Framework with nbo Topology. <i>Journal of the American Chemical Society</i> , 2021, 143, 15011-15016.	6.6	87
11	A stable covalent organic framework for photocatalytic carbon dioxide reduction. <i>Chemical Science</i> , 2020, 11, 543-550.	3.7	265
12	Hydrophilic microporous membranes for selective ion separation and flow-battery energy storage. <i>Nature Materials</i> , 2020, 19, 195-202.	13.3	237
13	Covalent Organic Framework Nanosheets Embedding Single Cobalt Sites for Photocatalytic Reduction of Carbon Dioxide. <i>Chemistry of Materials</i> , 2020, 32, 9107-9114.	3.2	79
14	3D Cage COFs: A Dynamic Three-Dimensional Covalent Organic Framework with High-Connectivity Organic Cage Nodes. <i>Journal of the American Chemical Society</i> , 2020, 142, 16842-16848.	6.6	174
15	Synthesis of Stable Thiazole-Linked Covalent Organic Frameworks via a Multicomponent Reaction. <i>Journal of the American Chemical Society</i> , 2020, 142, 11131-11138.	6.6	158
16	Photocatalytic proton reduction by a computationally identified, molecular hydrogen-bonded framework. <i>Journal of Materials Chemistry A</i> , 2020, 8, 7158-7170.	5.2	45
17	Geometric landscapes for material discovery within energy-structure-function maps. <i>Chemical Science</i> , 2020, 11, 5423-5433.	3.7	23
18	Barely porous organic cages for hydrogen isotope separation. <i>Science</i> , 2019, 366, 613-620.	6.0	210

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19	First-principles computational investigation of nitrogen-doped carbon nanotubes as anode materials for lithium-ion and potassium-ion batteries. <i>RSC Advances</i> , 2019, 9, 17299-17307.	1.7	11
20	Understanding the effect of host flexibility on the adsorption of CH ₄ , CO ₂ and SF ₆ in porous organic cages. <i>Zeitschrift Fur Kristallographie - Crystalline Materials</i> , 2019, 234, 547-555.	0.4	3
21	NMR relaxation and modelling study of the dynamics of SF ₆ and Xe in porous organic cages. <i>Physical Chemistry Chemical Physics</i> , 2019, 21, 24373-24382.	1.3	12
22	Efficient separation of propane and propene by a hypercrosslinked polymer doped with Ag(<i>scp</i>). <i>Journal of Materials Chemistry A</i> , 2019, 7, 25521-25525.	5.2	21
23	Pyrene-based hypercrosslinked microporous resins for effective CO ₂ capture. <i>Journal of Applied Polymer Science</i> , 2019, 136, 47448.	1.3	4
24	Sulfone-containing covalent organic frameworks for photocatalytic hydrogen evolution from water. <i>Nature Chemistry</i> , 2018, 10, 1180-1189.	6.6	883
25	1,3-Diyne-Linked Conjugated Microporous Polymer for Selective CO ₂ Capture. <i>Industrial & Engineering Chemistry Research</i> , 2018, 57, 9254-9260.	1.8	23
26	Innentitelbild: Core-Shell Crystals of Porous Organic Cages (<i>Angew. Chem.</i> 35/2018). <i>Angewandte Chemie</i> , 2018, 130, 11250-11250.	1.6	0
27	Core-Shell Crystals of Porous Organic Cages. <i>Angewandte Chemie</i> , 2018, 130, 11398-11402.	1.6	14
28	Core-Shell Crystals of Porous Organic Cages. <i>Angewandte Chemie - International Edition</i> , 2018, 57, 11228-11232.	7.2	45
29	Styrene Purification by Guest-Induced Restructuring of Pillar[6]arene. <i>Journal of the American Chemical Society</i> , 2017, 139, 2908-2911.	6.6	191
30	Computationally-Guided Synthetic Control over Pore Size in Isostructural Porous Organic Cages. <i>ACS Central Science</i> , 2017, 3, 734-742.	5.3	68
31	Inside information on xenon adsorption in porous organic cages by NMR. <i>Chemical Science</i> , 2017, 8, 5721-5727.	3.7	37
32	Layered microporous polymers by solvent knitting method. <i>Science Advances</i> , 2017, 3, e1602610.	4.7	135
33	Functional materials discovery using energy-structure-function maps. <i>Nature</i> , 2017, 543, 657-664.	13.7	348
34	Oriented Two-Dimensional Porous Organic Cage Crystals. <i>Angewandte Chemie</i> , 2017, 129, 9519-9523.	1.6	13
35	Oriented Two-Dimensional Porous Organic Cage Crystals. <i>Angewandte Chemie - International Edition</i> , 2017, 56, 9391-9395.	7.2	33
36	Understanding static, dynamic and cooperative porosity in molecular materials. <i>Chemical Science</i> , 2016, 7, 4875-4879.	3.7	43

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37	Three-dimensional protonic conductivity in porous organic cage solids. Nature Communications, 2016, 7, 12750.	5.8	133
38	Porous Organic Cages for Sulfur Hexafluoride Separation. Journal of the American Chemical Society, 2016, 138, 1653-1659.	6.6	200
39	Trapping virtual pores by crystal retro-engineering. Nature Chemistry, 2015, 7, 153-159.	6.6	52
40	Separation of rare gases and chiral molecules by selective binding in porous organic cages. Nature Materials, 2014, 13, 954-960.	13.3	532