Andrew Cooper

List of Publications by Year
in descending order

305 papers	42,098 citations	1614 105 h-index	2509 196 g-index
324 all docs	324 docs citations	324 times ranked	23850 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	Using sound to synthesize covalent organic frameworks in water. , 2022, 1, 87-95.		92
3	Reconstructed covalent organic frameworks. Nature, 2022, 604, 72-79.	27.8	190
4	Photocatalytic Overall Water Splitting Under Visible Light Enabled by a Particulate Conjugated Polymer Loaded with Palladium and Iridium**. Angewandte Chemie, 2022, 134, .	2.0	7
5	Photocatalytic Overall Water Splitting Under Visible Light Enabled by a Particulate Conjugated Polymer Loaded with Palladium and Iridium**. Angewandte Chemie - International Edition, 2022, 61, .	13.8	40
6	Room temperature all-solid-state lithium batteries based on a soluble organic cage ionic conductor. Nature Communications, 2022, 13, 2031.	12.8	19
7	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
8	Accelerated Synthesis and Discovery of Covalent Organic Framework Photocatalysts for Hydrogen Peroxide Production. Journal of the American Chemical Society, 2022, 144, 9902-9909.	13.7	154
9	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
10	Exploring cooperative porosity in organic cage crystals using <i>in situ</i> diffraction and molecular simulations. Faraday Discussions, 2021, 225, 100-117.	3.2	1
11	Creating porosity in a trianglimine macrocycle by heterochiral pairing. Chemical Communications, 2021, 57, 6141-6144.	4.1	12
12	Acetylene-linked conjugated polymers for sacrificial photocatalytic hydrogen evolution from water. Journal of Materials Chemistry A, 2021, 9, 17242-17248.	10.3	18
13	Combining machine learning and high-throughput experimentation to discover photocatalytically active organic molecules. Chemical Science, 2021, 12, 10742-10754.	7.4	52
14	Melt-quenched porous organic cage glasses. Journal of Materials Chemistry A, 2021, 9, 19807-19816.	10.3	15
15	Probing Dynamics of Water Mass Transfer in Organic Porous Photocatalyst Water-Splitting Materials by Neutron Spectroscopy. Chemistry of Materials, 2021, 33, 1363-1372.	6.7	5
16	Digital navigation of energyâ€“structureâ€“function maps for hydrogen-bonded porous molecular crystals. Nature Communications, 2021, 12, 817.	12.8	31
17	Crystallography companion agent for high-throughput materials discovery. Nature Computational Science, 2021, 1, 290-297.	8.0	38
18	The changing state of porous materials. Nature Materials, 2021, 20, 1179-1187.	27.5	147

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19	Inherent Ethyl Acetate Selectivity in a Trianglimine Molecular Solid. Chemistry - A European Journal, 2021, 27, 10589-10594.	3.3	6
20	Dynamics in Flexible Pillar[<i>n</i>]arenes Probed by Solid-State NMR. Journal of Physical Chemistry C, 2021, 125, 13370-13381.	3.1	5
21	InnenrÃ¼cktitelbild: SO₂ Capture Using Porous Organic Cages (Angew. Chem. 32/2021). Angewandte Chemie, 2021, 133, 17891-17891.	2.0	0
22	SO₂ Capture Using Porous Organic Cages. Angewandte Chemie, 2021, 133, 17697-17704.	2.0	3
23	SO₂ Capture Using Porous Organic Cages. Angewandte Chemie - International Edition, 2021, 60, 17556-17563.	13.8	85
24	Tectonic shifts in framework chemistry. Nature Chemistry, 2021, 13, 620-621.	13.6	11
25	Accelerating computational discovery of porous solids through improved navigation of energy-structure-function maps. Science Advances, 2021, 7, .	10.3	13
26	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
27	Polymeric Fiber Sorbents Embedded with Porous Organic Cages. ACS Applied Materials & Interfaces, 2021, 13, 47118-47126.	8.0	9
28	Modular Type III Porous Liquids Based on Porous Organic Cage Microparticles. Advanced Functional Materials, 2021, 31, 2106116.	14.9	26
29	A Cubic 3D Covalent Organic Framework with nbo Topology. Journal of the American Chemical Society, 2021, 143, 15011-15016.	13.7	87
30	Bottom-up wet-chemical synthesis of a two-dimensional porous carbon material with high supercapacitance using a cascade coupling/cyclization route. Journal of Materials Chemistry A, 2021, 9, 3303-3308.	10.3	23
31	Photocatalytic syngas production using conjugated organic polymers. Journal of Materials Chemistry A, 2021, 9, 4291-4296.	10.3	33
32	Photocatalytic polymers of intrinsic microporosity for hydrogen production from water. Journal of Materials Chemistry A, 2021, 9, 19958-19964.	10.3	36
33	Organic cage inclusion crystals exhibiting guest-enhanced multiphoton harvesting. CheM, 2021, 7, 3157-3170.	11.7	6
34	Time-Resolved Raman Spectroscopy of Polaron Formation in a Polymer Photocatalyst. Journal of Physical Chemistry Letters, 2021, 12, 10899-10905.	4.6	11
35	Scalable Synthesis of Ultrathin Polyimide Covalent Organic Framework Nanosheets for High-Performance Lithiumâ€“Sulfur Batteries. Journal of the American Chemical Society, 2021, 143, 19446-19453.	13.7	104
36	Linear Conjugated Polymers for Solar-Driven Hydrogen Peroxide Production: The Importance of Catalyst Stability. Journal of the American Chemical Society, 2021, 143, 19287-19293.	13.7	127

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37	Computational screening for nested organic cage complexes. Molecular Systems Design and Engineering, 2020, 5, 186-196.	3.4	14
38	A stable covalent organic framework for photocatalytic carbon dioxide reduction. Chemical Science, 2020, 11, 543-550.	7.4	265
39	Hydrophilic microporous membranes for selective ion separation and flow-battery energy storage. Nature Materials, 2020, 19, 195-202.	27.5	237
40	Covalent Organic Framework Nanosheets Embedding Single Cobalt Sites for Photocatalytic Reduction of Carbon Dioxide. Chemistry of Materials, 2020, 32, 9107-9114.	6.7	79
41	Photocatalyst Z-scheme system composed of a linear conjugated polymer and BiVO₄ for overall water splitting under visible light. Journal of Materials Chemistry A, 2020, 8, 16283-16290.	10.3	52
42	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
43	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
44	Tracking Charge Transfer to Residual Metal Clusters in Conjugated Polymers for Photocatalytic Hydrogen Evolution. Journal of the American Chemical Society, 2020, 142, 14574-14587.	13.7	118
45	Structureâ€“activity relationships in well-defined conjugated oligomer photocatalysts for hydrogen production from water. Chemical Science, 2020, 11, 8744-8756.	7.4	41
46	Controlling Photocatalytic Activity by Selfâ€Assembly â€“ Tuning Perylene Bisimide Photocatalysts for the Hydrogen Evolution Reaction. Advanced Energy Materials, 2020, 10, 2002469.	19.5	33
47	Reprogramming bacterial protein organelles as a nanoreactor for hydrogen production. Nature Communications, 2020, 11, 5448.	12.8	69
48	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
49	Conjugated polymer donorâ€“molecular acceptor nanohybrids for photocatalytic hydrogen evolution. Chemical Communications, 2020, 56, 6790-6793.	4.1	62
50	Inverse Vulcanized Polymers with Shape Memory, Enhanced Mechanical Properties, and Vitrimer Behavior. Angewandte Chemie - International Edition, 2020, 59, 13371-13378.	13.8	87
51	Side-chain tuning in conjugated polymer photocatalysts for improved hydrogen production from water. Energy and Environmental Science, 2020, 13, 1843-1855.	30.8	92
52	Continuous and scalable synthesis of a porous organic cage by twin screw extrusion (TSE). Chemical Science, 2020, 11, 6582-6589.	7.4	30
53	Inverse Vulcanized Polymers with Shape Memory, Enhanced Mechanical Properties, and Vitrimer Behavior. Angewandte Chemie, 2020, 132, 13473-13480.	2.0	6
54	Synthesis of Stable Thiazole-Linked Covalent Organic Frameworks via a Multicomponent Reaction. Journal of the American Chemical Society, 2020, 142, 11131-11138.	13.7	158

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55	Inducing Social Selfâ€Sorting in Organic Cages To Tune The Shape of The Internal Cavity. Angewandte Chemie, 2020, 132, 16898-16906.	2.0	15
56	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
57	Photocatalytic proton reduction by a computationally identified, molecular hydrogen-bonded framework. Journal of Materials Chemistry A, 2020, 8, 7158-7170.	10.3	45
58	Organic heterojunctions for direct solar fuel generation. Communications Chemistry, 2020, 3, .	4.5	9
59	Hydrogen evolution from water using heteroatom substituted fluorene conjugated co-polymers. Journal of Materials Chemistry A, 2020, 8, 8700-8705.	10.3	47
60	Polymer photocatalysts with plasma-enhanced activity. Journal of Materials Chemistry A, 2020, 8, 7125-7129.	10.3	31
61	Water Oxidation with Cobaltâ€Loaded Linear Conjugated Polymer Photocatalysts. Angewandte Chemie, 2020, 132, 18854-18859.	2.0	16
62	Water Oxidation with Cobaltâ€Loaded Linear Conjugated Polymer Photocatalysts. Angewandte Chemie - International Edition, 2020, 59, 18695-18700.	13.8	55
63	A mobile robotic chemist. Nature, 2020, 583, 237-241.	27.8	645
64	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
65	The Chemistry of Porous Organic Molecular Materials. Advanced Functional Materials, 2020, 30, 1909842.	14.9	224
66	Advances in Conjugated Microporous Polymers. Chemical Reviews, 2020, 120, 2171-2214.	47.7	810
67	Controlling Gas Selectivity in Molecular Porous Liquids by Tuning the Cage Window Size. Angewandte Chemie - International Edition, 2020, 59, 7362-7366.	13.8	69
68	Geometric landscapes for material discovery within energyâ€"structureâ€"function maps. Chemical Science, 2020, 11, 5423-5433.	7.4	23
69	Controlling Gas Selectivity in Molecular Porous Liquids by Tuning the Cage Window Size. Angewandte Chemie, 2020, 132, 7432-7436.	2.0	25
70	Organic Cage Dumbbells. Chemistry - A European Journal, 2020, 26, 3718-3722.	3.3	19
71	From Concept to Crystals via Prediction: Multiâ€Component Organic Cage Pots by Social Selfâ€Sorting. Angewandte Chemie, 2019, 131, 16421-16427.	2.0	23
72	Barely porous organic cages for hydrogen isotope separation. Science, 2019, 366, 613-620.	12.6	210

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73	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
74	Accelerated robotic discovery of type II porous liquids. Chemical Science, 2019, 10, 9454-9465.	7.4	70
75	Aromatic polymers made by reductive polydehalogenation of oligocyclic monomers as conjugated polymers of intrinsic microporosity (C-PIMs). Polymer Chemistry, 2019, 10, 5200-5205.	3.9	7
76	Current understanding and challenges of solar-driven hydrogen generation using polymeric photocatalysts. Nature Energy, 2019, 4, 746-760.	39.5	638
77	Metalâ€“organic conjugated microporous polymer containing a carbon dioxide reduction electrocatalyst. Sustainable Energy and Fuels, 2019, 3, 2990-2994.	4.9	16
78	Mining predicted crystal structure landscapes with high throughput crystallisation: old molecules, new insights. Chemical Science, 2019, 10, 9988-9997.	7.4	61
79	Structurally Diverse Covalent Triazine-Based Framework Materials for Photocatalytic Hydrogen Evolution from Water. Chemistry of Materials, 2019, 31, 8830-8838.	6.7	111
80	Post-synthetic fluorination of Scholl-coupled microporous polymers for increased CO₂ uptake and selectivity. Journal of Materials Chemistry A, 2019, 7, 549-557.	10.3	41
81	Photocatalytically active ladder polymers. Faraday Discussions, 2019, 215, 84-97.	3.2	20
82	Emulsion polymerization derived organic photocatalysts for improved light-driven hydrogen evolution. Journal of Materials Chemistry A, 2019, 7, 2490-2496.	10.3	84
83	Synthetic approaches to artificial photosynthesis: general discussion. Faraday Discussions, 2019, 215, 242-281.	3.2	5
84	Accelerated Discovery of Organic Polymer Photocatalysts for Hydrogen Evolution from Water through the Integration of Experiment and Theory. Journal of the American Chemical Society, 2019, 141, 9063-9071.	13.7	264
85	Synthesis of a Large, Shape-Flexible, Solvatomorphic Porous Organic Cage. Crystal Growth and Design, 2019, 19, 3647-3651.	3.0	21
86	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.	0.8	3
87	NMR relaxation and modelling study of the dynamics of SF6 and Xe in porous organic cages. Physical Chemistry Chemical Physics, 2019, 21, 24373-24382.	2.8	12
88	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.	10.3	21
89	Complex Phase Behaviour and Structural Transformations of Metalâ€Organic Frameworks with Mixed Rigid and Flexible Bridging Ligands. Chemistry - A European Journal, 2019, 25, 1353-1362.	3.3	2
90	Photocatalytic Hydrogen Evolution from Water Using Fluorene and Dibenzothiophene Sulfone-Conjugated Microporous and Linear Polymers. Chemistry of Materials, 2019, 31, 305-313.	6.7	173

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91	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
92	Structural Elucidation of Amorphous Photocatalytic Polymers from Dynamic Nuclear Polarization Enhanced Solid State NMR. Macromolecules, 2018, 51, 3088-3096.	4.8	32
93	Controlling electric double-layer capacitance and pseudocapacitance in heteroatom-doped carbons derived from hypercrosslinked microporous polymers. Nano Energy, 2018, 46, 277-289.	16.0	317
94	pH effects on molecular hydrogen storage in porous organic cages deposited onto platinum electrodes. Journal of Electroanalytical Chemistry, 2018, 819, 46-50.	3.8	5
95	Energyâ€“Structureâ€“Function Maps: Cartography for Materials Discovery. Advanced Materials, 2018, 30, e1704944.	21.0	44
96	A solution-processable dissymmetric porous organic cage. Molecular Systems Design and Engineering, 2018, 3, 223-227.	3.4	26
97	Investigating the breakdown of the nerve agent simulant methyl paraoxon and chemical warfare agents GB and VX using nitrogen containing bases. Organic and Biomolecular Chemistry, 2018, 16, 9285-9291.	2.8	32
98	Computationally-inspired discovery of an unsymmetrical porous organic cage. Nanoscale, 2018, 10, 22381-22388.	5.6	34
99	Understanding structure-activity relationships in linear polymer photocatalysts for hydrogen evolution. Nature Communications, 2018, 9, 4968.	12.8	244
100	Sulfone-containing covalent organic frameworks for photocatalytic hydrogen evolution from water. Nature Chemistry, 2018, 10, 1180-1189.	13.6	883
101	Covalent and electrostatic incorporation of amines into hypercrosslinked polymers for increased CO₂ selectivity. Journal of Polymer Science Part A, 2018, 56, 2513-2521.	2.3	9
102	Computational modelling of solvent effects in a prolific solvatomorphic porous organic cage. Faraday Discussions, 2018, 211, 383-399.	3.2	33
103	Innentitelbild: Core-Shell Crystals of Porous Organic Cages (Angew. Chem. 35/2018). Angewandte Chemie, 2018, 130, 11250-11250.	2.0	0
104	Nitrogen Containing Linear Poly(phenylene) Derivatives for Photo-catalytic Hydrogen Evolution from Water. Chemistry of Materials, 2018, 30, 5733-5742.	6.7	88
105	Ultrahigh-permeance PIM-1 based thin film nanocomposite membranes on PAN supports for CO2 separation. Journal of Membrane Science, 2018, 564, 878-886.	8.2	69
106	High-throughput discovery of organic cages and catenanes using computational screening fused with robotic synthesis. Nature Communications, 2018, 9, 2849.	12.8	131
107	Near-Ideal Xylene Selectivity in Adaptive Molecular Pillar[<i>n</i>]arene Crystals. Journal of the American Chemical Society, 2018, 140, 6921-6930.	13.7	191
108	Coreâ€“Shell Crystals of Porous Organic Cages. Angewandte Chemie, 2018, 130, 11398-11402.	2.0	14

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109	Maximising the hydrogen evolution activity in organic photocatalysts by co-polymerisation. Journal of Materials Chemistry A, 2018, 6, 11994-12003.	10.3	93
110	Coreâ€“Shell Crystals of Porous Organic Cages. Angewandte Chemie - International Edition, 2018, 57, 11228-11232.	13.8	45
111	Understanding gas capacity, guest selectivity, and diffusion in porous liquids. Chemical Science, 2017, 8, 2640-2651.	7.4	115
112	Swellable functional hypercrosslinked polymer networks for the uptake of chemical warfare agents. Polymer Chemistry, 2017, 8, 1914-1922.	3.9	44
113	Styrene Purification by Guest-Induced Restructuring of Pillar[6]arene. Journal of the American Chemical Society, 2017, 139, 2908-2911.	13.7	191
114	Structure-property relationships for covalent triazine-based frameworks: The effect of spacer length on photocatalytic hydrogen evolution from water. Polymer, 2017, 126, 283-290.	3.8	135
115	Chirality as a tool for function in porous organic cages. Nanoscale, 2017, 9, 6783-6790.	5.6	31
116	Porous Molecular Solids and Liquids. ACS Central Science, 2017, 3, 544-553.	11.3	194
117	Computationally-Guided Synthetic Control over Pore Size in Isostructural Porous Organic Cages. ACS Central Science, 2017, 3, 734-742.	11.3	68
118	Modular assembly of porous organic cage crystals: isoreticular quasiracemates and ternary co-crystal. CrystEngComm, 2017, 19, 4933-4941.	2.6	18
119	Inside information on xenon adsorption in porous organic cages by NMR. Chemical Science, 2017, 8, 5721-5727.	7.4	37
120	Layered microporous polymers by solvent knitting method. Science Advances, 2017, 3, e1602610.	10.3	135
121	Functional materials discovery using energyâ€“structureâ€“function maps. Nature, 2017, 543, 657-664.	27.8	348
122	Ultraâ€Fast Molecular Rotors within Porous Organic Cages. Chemistry - A European Journal, 2017, 23, 17217-17221.	3.3	22
123	A Solutionâ€Processable Polymer Photocatalyst for Hydrogen Evolution from Water. Advanced Energy Materials, 2017, 7, 1700479.	19.5	135
124	Covalent Triazine Frameworks via a Lowâ€Temperature Polycondensation Approach. Angewandte Chemie, 2017, 129, 14337-14341.	2.0	83
125	Covalent Triazine Frameworks via a Lowâ€Temperature Polycondensation Approach. Angewandte Chemie - International Edition, 2017, 56, 14149-14153.	13.8	441
126	High surface area sulfur-doped microporous carbons from inverse vulcanised polymers. Journal of Materials Chemistry A, 2017, 5, 18603-18609.	10.3	47

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127	Computational Screening of Porous Organic Molecules for Xenon/Krypton Separation. Journal of Physical Chemistry C, 2017, 121, 15211-15222.	3.1	45
128	A Perspective on the Synthesis, Purification, and Characterization of Porous Organic Cages. Chemistry of Materials, 2017, 29, 149-157.	6.7	96
129	Reticular synthesis of porous molecular 1D nanotubes and 3D networks. Nature Chemistry, 2017, 9, 17-25.	13.6	122
130	Oriented Twoâ€Dimensional Porous Organic Cage Crystals. Angewandte Chemie, 2017, 129, 9519-9523.	2.0	13
131	Oriented Twoâ€Dimensional Porous Organic Cage Crystals. Angewandte Chemie - International Edition, 2017, 56, 9391-9395.	13.8	33
132	Bisâ€Calix[4]arenes: From Ligand Design to the Directed Assembly of a Metalâ€“Organic Trigonal Antiprism. Chemistry - A European Journal, 2016, 22, 8791-8795.	3.3	9
133	Porous Organic Cage Thin Films and Molecularâ€Sieving Membranes. Advanced Materials, 2016, 28, 2629-2637.	21.0	275
134	Molecular Sieves: Porous Organic Cage Thin Films and Molecularâ€Sieving Membranes (Adv. Mater.) Tj ETQq0 0 0 rgBT /Overlock 10 Tf 5	21.0	1
135	Visibleâ€Lightâ€Driven Hydrogen Evolution Using Planarized Conjugated Polymer Photocatalysts. Angewandte Chemie - International Edition, 2016, 55, 1792-1796.	13.8	372
136	Tuning Photophysical Properties in Conjugated Microporous Polymers by Comonomer Doping Strategies. Chemistry of Materials, 2016, 28, 3469-3480.	6.7	106
137	Visibleâ€Lightâ€Driven Hydrogen Evolution Using Planarized Conjugated Polymer Photocatalysts. Angewandte Chemie, 2016, 128, 1824-1828.	2.0	156
138	Functional porous composites by blending with solution-processable molecular pores. Chemical Communications, 2016, 52, 6895-6898.	4.1	25
139	Porosity-engineered carbons for supercapacitive energy storage using conjugated microporous polymer precursors. Journal of Materials Chemistry A, 2016, 4, 7665-7673.	10.3	126
140	Understanding static, dynamic and cooperative porosity in molecular materials. Chemical Science, 2016, 7, 4875-4879.	7.4	43
141	Peripheryâ€Functionalized Porous Organic Cages. Chemistry - A European Journal, 2016, 22, 16547-16553.	3.3	38
142	Hyperporous Carbons from Hypercrosslinked Polymers. Advanced Materials, 2016, 28, 9804-9810.	21.0	201
143	Extended conjugated microporous polymers for photocatalytic hydrogen evolution from water. Chemical Communications, 2016, 52, 10008-10011.	4.1	175
144	Porous organic cages: soluble, modular and molecular pores. Nature Reviews Materials, 2016, 1, .	48.7	603

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145	Three-dimensional protonic conductivity in porous organic cage solids. Nature Communications, 2016, 7, 12750.	12.8	133
146	Porous Organic Cages for Sulfur Hexafluoride Separation. Journal of the American Chemical Society, 2016, 138, 1653-1659.	13.7	200
147	PIM-1 mixed matrix membranes for gas separations using cost-effective hypercrosslinked nanoparticle fillers. Chemical Communications, 2016, 52, 5581-5584.	4.1	121
148	The effect of molecular weight on the porosity of hypercrosslinked polystyrene. Polymer Chemistry, 2015, 6, 7280-7285.	3.9	26
149	Function-led design of new porous materials. Science, 2015, 348, aaa8075.	12.6	1,272
150	Tunable Organic Photocatalysts for Visible-Light-Driven Hydrogen Evolution. Journal of the American Chemical Society, 2015, 137, 3265-3270.	13.7	747
151	Trapping virtual pores by crystal retro-engineering. Nature Chemistry, 2015, 7, 153-159.	13.6	52
152	Cooperative carbon capture. Nature, 2015, 519, 294-295.	27.8	48
153	Porous Organic Cages for Gas Chromatography Separations. Chemistry of Materials, 2015, 27, 3207-3210.	6.7	169
154	Using intermolecular interactions to crosslink PIM-1 and modify its gas sorption properties. Journal of Materials Chemistry A, 2015, 3, 4855-4864.	10.3	52
155	Dynamic flow synthesis of porous organic cages. Chemical Communications, 2015, 51, 17390-17393.	4.1	52
156	Tunable Porosity through Cooperative Diffusion in a Multicomponent Porous Molecular Crystal. Journal of Physical Chemistry C, 2015, 119, 22577-22586.	3.1	15
157	Liquids with permanent porosity. Nature, 2015, 527, 216-220.	27.8	402
158	Aligned macroporous monoliths with intrinsic microporosity via a frozen-solvent-templating approach. Chemical Communications, 2015, 51, 1717-1720.	4.1	34
159	Carbon nitride vs. graphene â€“ now in 2D!. Materials Today, 2014, 17, 468-469.	14.2	21
160	Frontispiece: Triazine-Based Graphitic Carbon Nitride: a Two-Dimensional Semiconductor. Angewandte Chemie - International Edition, 2014, 53, n/a-n/a.	13.8	0
161	Frontispiz: Triazine-Based Graphitic Carbon Nitride: a Two-Dimensional Semiconductor. Angewandte Chemie, 2014, 126, n/a-n/a.	2.0	0
162	Triazineâ€Based Graphitic Carbon Nitride: a Twoâ€Dimensional Semiconductor. Angewandte Chemie - International Edition, 2014, 53, 7450-7455.	13.8	523

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163	â€˜Dry basesâ€™: carbon dioxide capture using alkaline dry water. Energy and Environmental Science, 2014, 7, 1786-1791.	30.8	42
164	Network formation mechanisms in conjugated microporous polymers. Polymer Chemistry, 2014, 5, 6325-6333.	3.9	61
165	Predicted crystal energy landscapes of porous organic cages. Chemical Science, 2014, 5, 2235-2245.	7.4	73
166	Metallo-Cryptophanes Decorated with Bis-N-Heterocyclic Carbene Ligands: Self-Assembly and Guest Uptake into a Nonporous Crystalline Lattice. Journal of the American Chemical Society, 2014, 136, 14393-14396.	13.7	72
167	Conjugated Polymers of Intrinsic Microporosity (Câ€PIMs). Advanced Functional Materials, 2014, 24, 5219-5224.	14.9	89
168	Shining a Light on <i>s</i>-Triazine-Based Polymers. Journal of Physical Chemistry C, 2014, 118, 4314-4324.	3.1	45
169	Guest control of structure in porous organic cages. Chemical Communications, 2014, 50, 9465-9468.	4.1	65
170	Separation of rare gases and chiral molecules by selective binding in porous organic cages. Nature Materials, 2014, 13, 954-960.	27.5	532
171	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
172	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
173	Swellable, Water- and Acid-Tolerant Polymer Sponges for Chemoselective Carbon Dioxide Capture. Journal of the American Chemical Society, 2014, 136, 9028-9035.	13.7	201
174	Gas Diffusion in a Porous Organic Cage: Analysis of Dynamic Pore Connectivity Using Molecular Dynamics Simulations. Journal of Physical Chemistry C, 2014, 118, 12734-12743.	3.1	43
175	Post-synthetic modification of conjugated microporous polymers. Polymer, 2014, 55, 321-325.	3.8	100
176	Low band-gap benzothiadiazole conjugated microporous polymers. Polymer Chemistry, 2013, 4, 5585.	3.9	66
177	Dynamic Nuclear Polarization NMR Spectroscopy Allows High-Throughput Characterization of Microporous Organic Polymers. Journal of the American Chemical Society, 2013, 135, 15290-15293.	13.7	74
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