Rebecca L Greenaway

List of Publications by Year
in descending order

28 papers	1,461 citations	361413 20 h-index	501196 28 g-index
61 all docs	61 docs citations	61 times ranked	1488 citing authors

#	Article	IF	Citations
1	Porous liquids â€“ the future is looking emptier. Chemical Science, 2022, 13, 5042-5054.	7.4	22
2	Melt-quenched porous organic cage glasses. Journal of Materials Chemistry A, 2021, 9, 19807-19816.	10.3	15
3	Integrating Computational and Experimental Workflows for Accelerated Organic Materials Discovery. Advanced Materials, 2021, 33, e2004831.	21.0	29
4	Materials Precursor Score: Modeling Chemistsâ€™ Intuition for the Synthetic Accessibility of Porous Organic Cage Precursors. Journal of Chemical Information and Modeling, 2021, 61, 4342-4356.	5.4	14
5	Modular Type III Porous Liquids Based on Porous Organic Cage Microparticles. Advanced Functional Materials, 2021, 31, 2106116.	14.9	26
6	Enabling Technology for Supramolecular Chemistry. Frontiers in Chemistry, 2021, 9, 774987.	3.6	13
7	Computational screening for nested organic cage complexes. Molecular Systems Design and Engineering, 2020, 5, 186-196.	3.4	14
8	Highâ€Throughput Approaches for the Discovery of Supramolecular Organic Cages. ChemPlusChem, 2020, 85, 1813-1823.	2.8	17
9	Computational discovery of molecular C60 encapsulants with an evolutionary algorithm. Communications Chemistry, 2020, 3, .	4.5	10
10	Continuous and scalable synthesis of a porous organic cage by twin screw extrusion (TSE). Chemical Science, 2020, 11, 6582-6589.	7.4	30
11	Controlling Gas Selectivity in Molecular Porous Liquids by Tuning the Cage Window Size. Angewandte Chemie - International Edition, 2020, 59, 7362-7366.	13.8	69
12	Controlling Gas Selectivity in Molecular Porous Liquids by Tuning the Cage Window Size. Angewandte Chemie, 2020, 132, 7432-7436.	2.0	25
13	Organic Cage Dumbbells. Chemistry - A European Journal, 2020, 26, 3718-3722.	3.3	19
14	From Concept to Crystals via Prediction: Multiâ€Component Organic Cage Pots by Social Selfâ€Sorting. Angewandte Chemie, 2019, 131, 16421-16427.	2.0	23
15	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
16	Accelerated robotic discovery of type II porous liquids. Chemical Science, 2019, 10, 9454-9465.	7.4	70
17	Machine Learning for Organic Cage Property Prediction. Chemistry of Materials, 2019, 31, 714-727.	6.7	50
18	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

#	Article	IF	Citations
19	Computationally-inspired discovery of an unsymmetrical porous organic cage. Nanoscale, 2018, 10, 22381-22388.	5.6	34
20	High-throughput discovery of organic cages and catenanes using computational screening fused with robotic synthesis. Nature Communications, 2018, 9, 2849.	12.8	131
21	Understanding gas capacity, guest selectivity, and diffusion in porous liquids. Chemical Science, 2017, 8, 2640-2651.	7.4	115
22	Combining cycloisomerization with trienamine catalysis: a regiochemically flexible enantio- and diastereoselective synthesis of hexahydroindoles. Chemical Communications, 2016, 52, 693-696.	4.1	31
23	Ynamide Carbopalladation: A Flexible Route to Monoâ€‐ Biâ€•and Tricyclic Azacycles. Chemistry - A European Journal, 2015, 21, 12627-12639.	3.3	43
24	Dynamic flow synthesis of porous organic cages. Chemical Communications, 2015, 51, 17390-17393.	4.1	52
25	Liquids with permanent porosity. Nature, 2015, 527, 216-220.	27.8	402
26	Palladium-catalyzed cyclization of bromoenynamides to tricyclic azacycles: synthesis of trikentrin-like frameworks. Chemical Communications, 2014, 50, 5187-5189.	4.1	28
27	Reductive Cyclization of Bromoenynamides with Alcohols as Hydride Source: Synthesis and Reactions of 2â€Amidodienes. Advanced Synthesis and Catalysis, 2012, 354, 3187-3194.	4.3	41
28	Palladiumâ€Catalyzed Cascade Cyclization of Ynamides to Azabicycles. Chemistry - A European Journal, 2011, 17, 14366-14370.	3.3	52