Mathew T Savage

List of Publications by Year
in descending order

22	1,012	623734 14	677142 22
papers	citations	h-index	g-index

23	23	23	1574
all docs	docs citations	times ranked	citing authors

#	Article	IF	Citations
1	Direct Visualization of Supramolecular Binding and Separation of Light Hydrocarbons in MFM-300(In). Chemistry of Materials, 2022, 34, 5698-5705.	6.7	11
2	Binding and separation of CO₂, SO₂ and C₂H₂ in homo- and hetero-metallic metalâ€“organic framework materials. Journal of Materials Chemistry A, 2021, 9, 7190-7197.	10.3	17
3	Porous Metalâ€“Organic Polyhedra: Morphology, Porosity, and Guest Binding. Inorganic Chemistry, 2020, 59, 15646-15658.	4.0	16
4	Tripyrrin-armed isosmaragdyrins: synthesis, heterodinuclear coordination, and protonation-triggered helical inversion. Chemical Science, 2020, 11, 2790-2795.	7.4	19
5	Analysis by synchrotron X-ray scattering of the kinetics of formation of an Fe-based metal-organic framework with high CO2 adsorption. APL Materials, 2019, 7, 111104.	5.1	4
6	Direct observation of supramolecular binding of light hydrocarbons in vanadium(<scp>iii</scp>) and (<scp>iv</scp>) metalâ€“organic framework materials. Chemical Science, 2018, 9, 3401-3408.	7.4	22
7	Locating the binding domains in a highly selective mixed matrix membrane via synchrotron IR microspectroscopy. Chemical Communications, 2018, 54, 2866-2869.	4.1	9
8	InnenrÃ¼cktitelbild: Ammonia Storage by Reversible Hostâ€“Guest Site Exchange in a Robust Metalâ€“Organic Framework (Angew. Chem. 45/2018). Angewandte Chemie, 2018, 130, 15163-15163.	2.0	0
9	Ammonia Storage by Reversible Hostâ€“Guest Site Exchange in a Robust Metalâ€“Organic Framework. Angewandte Chemie, 2018, 130, 14994-14997.	2.0	14
10	Ammonia Storage by Reversible Hostâ€“Guest Site Exchange in a Robust Metalâ€“Organic Framework. Angewandte Chemie - International Edition, 2018, 57, 14778-14781.	13.8	86
11	Unravelling exceptional acetylene and carbon dioxide adsorption within a tetra-amide functionalized metal-organic framework. Nature Communications, 2017, 8, 14085.	12.8	193
12	Modulating supramolecular binding of carbon dioxide in a redox-active porous metal-organic framework. Nature Communications, 2017, 8, 14212.	12.8	75
13	Binding CO₂ by a Cr₈ Metallacrown. Angewandte Chemie - International Edition, 2017, 56, 5527-5530.	13.8	18
14	Macrocyclic Transformations from Norrole to Isonorrole and an Nâ€Confused Corrole with a Fused Hexacyclic Ring System Triggered by a Pyrrole Substituent. Angewandte Chemie - International Edition, 2016, 55, 3063-3067.	13.8	40
15	Macrocyclic Transformations from Norrole to Isonorrole and an Nâ€Confused Corrole with a Fused Hexacyclic Ring System Triggered by a Pyrrole Substituent. Angewandte Chemie, 2016, 128, 3115-3119.	2.0	5
16	Amides Do Not Always Work: Observation of Guest Binding in an Amide-Functionalized Porous Metalâ€“Organic Framework. Journal of the American Chemical Society, 2016, 138, 14828-14831.	13.7	44
17	Tetra- and Octapyrroles Synthesized from Confusion and Fusion Approaches. Organic Letters, 2016, 18, 5046-5049.	4.6	13
18	Selective Adsorption of Sulfur Dioxide in a Robust Metalâ€“Organic Framework Material. Advanced Materials, 2016, 28, 8705-8711.	21.0	214

#	Article	IF	Citations
19	Observation of Binding and Rotation of Methane and Hydrogen within a Functional Metalâ€“Organic Framework. Journal of the American Chemical Society, 2016, 138, 9119-9127.	13.7	54
20	Enhancement of CO₂ Adsorption and Catalytic Properties by Fe-Doping of [Ga₂(OH)₂(L)] (H₄L = Biphenyl-3,3â€²,5,5â€²-tetracarboxylic Acid), MFM-300(Ga₂). Inorganic Chemistry, 2016, 55, 1076-1088.	4.0	70
21	Rational syntheses of helical Ï€-conjugated oligopyrrins with a bipyrrole linkage: geometry control of bis-copper(<scp>ii</scp>) coordination. Chemical Communications, 2016, 52, 5148-5151.	4.1	20
22	A Novel Bismuthâ€Based Metalâ€“Organic Framework for High Volumetric Methane and Carbon Dioxide Adsorption. Chemistry - A European Journal, 2014, 20, 8024-8029.	3.3	67