

# Mathew T Savage

## List of Publications by Year in descending order

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22  
papers

1,012  
citations

623734

14  
h-index

677142

22  
g-index

23  
all docs

23  
docs citations

23  
times ranked

1574  
citing authors

#	ARTICLE	IF	CITATIONS
1	Selective Adsorption of Sulfur Dioxide in a Robust Metal-Organic Framework Material. <i>Advanced Materials</i> , 2016, 28, 8705-8711.	21.0	214
2	Unravelling exceptional acetylene and carbon dioxide adsorption within a tetra-amide functionalized metal-organic framework. <i>Nature Communications</i> , 2017, 8, 14085.	12.8	193
3	Ammonia Storage by Reversible Host-Guest Site Exchange in a Robust Metal-Organic Framework. <i>Angewandte Chemie - International Edition</i> , 2018, 57, 14778-14781.	13.8	86
4	Modulating supramolecular binding of carbon dioxide in a redox-active porous metal-organic framework. <i>Nature Communications</i> , 2017, 8, 14212.	12.8	75
5	Enhancement of CO <sub>2</sub> Adsorption and Catalytic Properties by Fe-Doping of [Ga <sub>2</sub> (OH) <sub>2</sub> (L)] (H <sub>4</sub> L = Biphenyl-3,3',5,5'-tetracarboxylic Acid), MFM-300(Ga <sub>2</sub> ). <i>Inorganic Chemistry</i> , 2016, 55, 1076-1088.	4.0	70
6	A Novel Bismuth-Based Metal-Organic Framework for High Volumetric Methane and Carbon Dioxide Adsorption. <i>Chemistry - A European Journal</i> , 2014, 20, 8024-8029.	3.3	67
7	Observation of Binding and Rotation of Methane and Hydrogen within a Functional Metal-Organic Framework. <i>Journal of the American Chemical Society</i> , 2016, 138, 9119-9127.	13.7	54
8	Amides Do Not Always Work: Observation of Guest Binding in an Amide-Functionalized Porous Metal-Organic Framework. <i>Journal of the American Chemical Society</i> , 2016, 138, 14828-14831.	13.7	44
9	Macrocyclic Transformations from Norrole to Isonorrole and an N-Confused Corrole with a Fused Hexacyclic Ring System Triggered by a Pyrrole Substituent. <i>Angewandte Chemie - International Edition</i> , 2016, 55, 3063-3067.	13.8	40
10	Direct observation of supramolecular binding of light hydrocarbons in vanadium(III) and (IV) metal-organic framework materials. <i>Chemical Science</i> , 2018, 9, 3401-3408.	7.4	22
11	Rational syntheses of helical $\pi$ -conjugated oligopyrrolins with a bipyrrole linkage: geometry control of bis-copper(II) coordination. <i>Chemical Communications</i> , 2016, 52, 5148-5151.	4.1	20
12	Tripyrrolin-armed isosmaragdyrins: synthesis, heterodinuclear coordination, and protonation-triggered helical inversion. <i>Chemical Science</i> , 2020, 11, 2790-2795.	7.4	19
13	Binding CO <sub>2</sub> by a Cr <sub>8</sub> Metallacrown. <i>Angewandte Chemie - International Edition</i> , 2017, 56, 5527-5530.	13.8	18
14	Binding and separation of CO <sub>2</sub> , SO <sub>2</sub> and C <sub>2</sub> H <sub>2</sub> in homo- and hetero-metallic metal-organic framework materials. <i>Journal of Materials Chemistry A</i> , 2021, 9, 7190-7197.	10.3	17
15	Porous Metal-Organic Polyhedra: Morphology, Porosity, and Guest Binding. <i>Inorganic Chemistry</i> , 2020, 59, 15646-15658.	4.0	16
16	Ammonia Storage by Reversible Host-Guest Site Exchange in a Robust Metal-Organic Framework. <i>Angewandte Chemie</i> , 2018, 130, 14994-14997.	2.0	14
17	Tetra- and Octapyrroles Synthesized from Confusion and Fusion Approaches. <i>Organic Letters</i> , 2016, 18, 5046-5049.	4.6	13
18	Direct Visualization of Supramolecular Binding and Separation of Light Hydrocarbons in MFM-300(In). <i>Chemistry of Materials</i> , 2022, 34, 5698-5705.	6.7	11

#	ARTICLE	IF	CITATIONS
19	Locating the binding domains in a highly selective mixed matrix membrane <i>via</i> synchrotron IR microspectroscopy. <i>Chemical Communications</i> , 2018, 54, 2866-2869.	4.1	9
20	Macrocyclic Transformations from Norrole to Isonorrole and an <i>N</i> -Confused Corrole with a Fused Hexacyclic Ring System Triggered by a Pyrrole Substituent. <i>Angewandte Chemie</i> , 2016, 128, 3115-3119.	2.0	5
21	Analysis by synchrotron X-ray scattering of the kinetics of formation of an Fe-based metal-organic framework with high CO <sub>2</sub> adsorption. <i>APL Materials</i> , 2019, 7, 111104.	5.1	4
22	Innenr&uuml;cktitelbild: Ammonia Storage by Reversible Host-Guest Site Exchange in a Robust Metal-Organic Framework ( <i>Angew. Chem.</i> 45/2018). <i>Angewandte Chemie</i> , 2018, 130, 15163-15163.	2.0	0