

Alex Greenaway

List of Publications by Year in descending order

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15
papers

1,160
citations

759233

12
h-index

940533

16
g-index

16
all docs

16
docs citations

16
times ranked

2185
citing authors

#	ARTICLE	IF	CITATIONS
1	Exceptional Thermal Stability in a Supramolecular Organic Framework: Porosity and Gas Storage. <i>Journal of the American Chemical Society</i> , 2010, 132, 14457-14469.	13.7	369
2	A zeolite family with expanding structural complexity and embedded isorecticular structures. <i>Nature</i> , 2015, 524, 74-78.	27.8	167
3	The Potential Applications of Nanoporous Materials for the Adsorption, Separation, and Catalytic Conversion of Carbon Dioxide. <i>Advanced Energy Materials</i> , 2014, 4, 1301873.	19.5	165
4	Adsorption Materials and Processes for Carbon Capture from Gas-Fired Power Plants: AMPGas. <i>Industrial & Engineering Chemistry Research</i> , 2016, 55, 3840-3851.	3.7	84
5	Stabilization of Scandium Terephthalate MOFs against Reversible Amorphization and Structural Phase Transition by Guest Uptake at Extreme Pressure. <i>Journal of the American Chemical Society</i> , 2014, 136, 8606-8613.	13.7	63
6	High-Nuclearity Metal-Organic Nanospheres: A Cd ₆₆ Ball. <i>Journal of the American Chemical Society</i> , 2012, 134, 55-58.	13.7	61
7	Elementary Steps in the Formation of Hydrocarbons from Surface Methoxy Groups in HZSM-5 Seen by Synchrotron Infrared Microspectroscopy. <i>ACS Catalysis</i> , 2019, 9, 6564-6570.	11.2	48
8	Synthesis and Formation Mechanism of Textured MOF-5. <i>Crystal Growth and Design</i> , 2016, 16, 2104-2111.	3.0	46
9	Cation Control of Molecular Sieving by Flexible Li-Containing Zeolite Rho. <i>Journal of Physical Chemistry C</i> , 2016, 120, 19652-19662.	3.1	45
10	In-situ Synchrotron IR Microspectroscopy of CO ₂ Adsorption on Single Crystals of the Functionalized MOF Sc ₂ (BDC-NH ₂) ₃ . <i>Angewandte Chemie - International Edition</i> , 2014, 53, 13483-13487.	13.8	42
11	Pore Shape Modification of a Microporous Metal-Organic Framework Using High Pressure: Accessing a New Phase with Oversized Guest Molecules. <i>Chemistry of Materials</i> , 2016, 28, 466-473.	6.7	31
12	Porous Metal-Organic Polyhedra: Morphology, Porosity, and Guest Binding. <i>Inorganic Chemistry</i> , 2020, 59, 15646-15658.	4.0	16
13	Effects of crystal size on methanol to hydrocarbon conversion over single crystals of ZSM-5 studied by synchrotron infrared microspectroscopy. <i>Physical Chemistry Chemical Physics</i> , 2020, 22, 18849-18859.	2.8	10
14	Assembly of high nuclearity clusters from a family of tripodal tris-carboxylate ligands. <i>Polyhedron</i> , 2016, 120, 18-29.	2.2	5
15	Reactions of Dimethylether in Single Crystals of the Silicoaluminophosphate STA-7 Studied via Operando Synchrotron Infrared Microspectroscopy. <i>Topics in Catalysis</i> , 2018, 61, 199-212.	2.8	3