

David K Britt

List of Publications by Year in descending order

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22
papers

6,459
citations

430442

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676716

22
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docs citations

22
times ranked

8950
citing authors

#	ARTICLE	IF	CITATIONS
1	Control of Pore Size and Functionality in Isoreticular Zeolitic Imidazolate Frameworks and their Carbon Dioxide Selective Capture Properties. <i>Journal of the American Chemical Society</i> , 2009, 131, 3875-3877.	6.6	1,297
2	Highly efficient separation of carbon dioxide by a metal-organic framework replete with open metal sites. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , 2009, 106, 20637-20640.	3.3	1,042
3	Metal-organic frameworks with high capacity and selectivity for harmful gases. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , 2008, 105, 11623-11627.	3.3	820
4	MOF-74 building unit has a direct impact on toxic gas adsorption. <i>Chemical Engineering Science</i> , 2011, 66, 163-170.	1.9	522
5	Metal Insertion in a Microporous Metal-Organic Framework Lined with 2,2'-Bipyridine. <i>Journal of the American Chemical Society</i> , 2010, 132, 14382-14384.	6.6	514
6	A Multiunit Catalyst with Synergistic Stability and Reactivity: A Polyoxometalate-Metal Organic Framework for Aerobic Decontamination. <i>Journal of the American Chemical Society</i> , 2011, 133, 16839-16846.	6.6	475
7	Hydroxylation of the surface of PbS nanocrystals passivated with oleic acid. <i>Science</i> , 2014, 344, 1380-1384.	6.0	404
8	Rapid, Selective Heavy Metal Removal from Water by a Metal-Organic Framework/Polydopamine Composite. <i>ACS Central Science</i> , 2018, 4, 349-356.	5.3	311
9	Porous, Conductive Metal-Triazolates and Their Structural Elucidation by the Charge-Flipping Method. <i>Chemistry - A European Journal</i> , 2012, 18, 10595-10601.	1.7	227
10	Enhanced permeation arising from dual transport pathways in hybrid polymer-MOF membranes. <i>Energy and Environmental Science</i> , 2016, 9, 922-931.	15.6	178
11	Site-Specific CO ₂ Adsorption and Zero Thermal Expansion in an Anisotropic Pore Network. <i>Journal of Physical Chemistry C</i> , 2011, 115, 24915-24919.	1.5	141
12	Engineering UiO-66-NH ₂ for Toxic Gas Removal. <i>Industrial & Engineering Chemistry Research</i> , 2014, 53, 701-707.	1.8	127
13	Ring-Opening Reactions within Porous Metal-Organic Frameworks. <i>Inorganic Chemistry</i> , 2010, 49, 6387-6389.	1.9	115
14	Ligand-Controlled Colloidal Synthesis and Electronic Structure Characterization of Cubic Iron Pyrite (FeS ₂) Nanocrystals. <i>Chemistry of Materials</i> , 2013, 25, 1615-1620.	3.2	70
15	Growth of a Highly Porous Coordination Polymer on a Macroporous Polymer Monolith Support for Enhanced Immobilized Metal Ion Affinity Chromatographic Enrichment of Phosphopeptides. <i>Advanced Functional Materials</i> , 2014, 24, 5790-5797.	7.8	61
16	Multifunctional Purification and Sensing of Toxic Hydride Gases by CuBTC Metal-Organic Framework. <i>Industrial & Engineering Chemistry Research</i> , 2015, 54, 3626-3633.	1.8	48
17	<i>In Silico</i> Design of Three-Dimensional Porous Covalent Organic Frameworks via Known Synthesis Routes and Commercially Available Species. <i>Journal of Physical Chemistry C</i> , 2014, 118, 23790-23802.	1.5	40
18	Understanding Small-Molecule Interactions in Metal-Organic Frameworks: Coupling Experiment with Theory. <i>Advanced Materials</i> , 2015, 27, 5785-5796.	11.1	33

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19	Direct Assignment of the Relative Configuration in Acyclic 1,3-Diols by ¹ H NMR Spectroscopy. <i>Organic Letters</i> , 2005, 7, 5721-5723.	2.4	17
20	Hexameric Octahedral Clusters of PbSe Nanocrystals Grown from Amorphous Lead(II) Carboxylate Nanoparticles. <i>Chemistry of Materials</i> , 2013, 25, 2544-2548.	3.2	9
21	Comment on "Nickel nanoparticles catalyze reversible hydration of carbon dioxide for mineralization carbon capture and storage" by G. Bhaduri and L. Åiller, <i>Catal. Sci. Technol.</i> , 2013, 3, 1234. <i>Catalysis Science and Technology</i> , 2013, 3, 2195.	2.1	6
22	Preparation of Highly Porous Coordination Polymer Coatings on Macroporous Polymer Monoliths for Enhanced Enrichment of Phosphopeptides. <i>Journal of Visualized Experiments</i> , 2015, , e52926.	0.2	2