

David K Britt

List of Publications by Year in Descending Order

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The third column is the impact factor (IF) of the journal, and the fourth column is the number of citations of the article.

22
papers

5,588
citations

18
h-index

22
g-index

22
ext. papers

6,036
ext. citations

11.5
avg, IF

5.52
L-index

#	Paper	IF	Citations
22	Rapid, Selective Heavy Metal Removal from Water by a Metal-Organic Framework/Polydopamine Composite. <i>ACS Central Science</i> , 2018 , 4, 349-356	16.8	225
21	Enhanced permeation arising from dual transport pathways in hybrid polymer/MOF membranes. <i>Energy and Environmental Science</i> , 2016 , 9, 922-931	35.4	139
20	Multifunctional Purification and Sensing of Toxic Hydride Gases by CuBTC Metal-Organic Framework. <i>Industrial & Engineering Chemistry Research</i> , 2015 , 54, 3626-3633	3.9	42
19	Preparation of Highly Porous Coordination Polymer Coatings on Macroporous Polymer Monoliths for Enhanced Enrichment of Phosphopeptides. <i>Journal of Visualized Experiments</i> , 2015 , e52926	1.6	2
18	Understanding Small-Molecule Interactions in Metal-Organic Frameworks: Coupling Experiment with Theory. <i>Advanced Materials</i> , 2015 , 27, 5785-96	24	30
17	Hydroxylation of the surface of PbS nanocrystals passivated with oleic acid. <i>Science</i> , 2014 , 344, 1380-4	33.3	333
16	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	15.6	54
15	In Silico 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	3.8	31
14	Engineering UiO-66-NH ₂ for Toxic Gas Removal. <i>Industrial & Engineering Chemistry Research</i> , 2014 , 53, 701-707	3.9	97
13	Comment on Nickel nanoparticles catalyse reversible hydration of carbon dioxide for mineralization carbon capture and storage by G. Bhaduri and L. Iller, <i>Catal. Sci. Technol.</i> , 2013, 3, 1234. <i>Catalysis Science and Technology</i> , 2013 , 3, 2195	5.5	5
12	Ligand-Controlled Colloidal Synthesis and Electronic Structure Characterization of Cubic Iron Pyrite (FeS ₂) Nanocrystals. <i>Chemistry of Materials</i> , 2013 , 25, 1615-1620	9.6	64
11	Hexameric Octahedral Clusters of PbSe Nanocrystals Grown from Amorphous Lead(II) Carboxylate Nanoparticles. <i>Chemistry of Materials</i> , 2013 , 25, 2544-2548	9.6	9
10	Porous, conductive metal-triazolates and their structural elucidation by the charge-flipping method. <i>Chemistry - A European Journal</i> , 2012 , 18, 10595-601	4.8	172
9	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	3.8	124
8	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, 16839-46	16.4	437
7	MOF-74 building unit has a direct impact on toxic gas adsorption. <i>Chemical Engineering Science</i> , 2011 , 66, 163-170	4.4	438
6	Metal insertion in a microporous metal-organic framework lined with 2,2'-bipyridine. <i>Journal of the American Chemical Society</i> , 2010 , 132, 14382-4	16.4	463

5	Ring-opening reactions within porous metal-organic frameworks. <i>Inorganic Chemistry</i> , 2010 , 49, 6387-9	5.1	99
4	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, 3875-7	16.4	1146
3	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, 20637-40	11.5	950
2	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, 11623-7	11.5	714
1	Direct assignment of the relative configuration in acyclic 1,3-diols by ¹ H NMR spectroscopy. <i>Organic Letters</i> , 2005 , 7, 5721-3	6.2	14