

David K Britt

List of Publications by Citations

Source: <https://exaly.com/author-pdf/1553010/david-k-britt-publications-by-citations.pdf>

Version: 2024-04-23

This document has been generated based on the publications and citations recorded by exaly.com. For the latest version of this publication list, visit the link given above.

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	Control of pore size and functionality in isorecticular 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
21	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
20	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
19	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
18	MOF-74 building unit has a direct impact on toxic gas adsorption. <i>Chemical Engineering Science</i> , 2011 , 66, 163-170	4.4	438
17	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
16	Hydroxylation of the surface of PbS nanocrystals passivated with oleic acid. <i>Science</i> , 2014 , 344, 1380-4	33.3	333
15	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
14	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
13	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
12	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
11	Ring-opening reactions within porous metal-organic frameworks. <i>Inorganic Chemistry</i> , 2010 , 49, 6387-9	5.1	99
10	Engineering UiO-66-NH ₂ for Toxic Gas Removal. <i>Industrial & Engineering Chemistry Research</i> , 2014 , 53, 701-707	3.9	97
9	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
8	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
7	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
6	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

5	Understanding Small-Molecule Interactions in Metal-Organic Frameworks: Coupling Experiment with Theory. <i>Advanced Materials</i> , 2015 , 27, 5785-96	24	30
4	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
3	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
2	Comment on Nickel nanoparticles catalyse reversible hydration of carbon dioxide for mineralization carbon capture and storage by G. Bhaduri and L. Iller, Catal. Sci. Technol., 2013, 3, 1234. <i>Catalysis Science and Technology</i> , 2013 , 3, 2195	5.5	5
1	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