Athanassios D Katsenis

List of Publications by Year
in descending order

Source: https://exaly.com/author-pdf/3868018/publications.pdf

Version: 2024-02-01

22 papers	1,106 citations	471061 17 h-index	642321 23 g-index
30 all docs	30 docs citations	30 times ranked	1690 citing authors

#	Article	IF	Citations
1	Enhanced Cr(VI) sorption capacity of the mechanochemically synthesized defective UiO-66 and UiO-66-NH₂. Journal of Coordination Chemistry, 2021, 74, 2835-2849.	0.8	3
2	Real-Time in Situ Monitoring of Particle and Structure Evolution in the Mechanochemical Synthesis of UiO-66 Metalâ€“Organic Frameworks. Crystal Growth and Design, 2020, 20, 49-54.	1.4	42
3	Linker Substituents Control the Thermodynamic Stability in Metalâ€“Organic Frameworks. Journal of the American Chemical Society, 2020, 142, 21720-21729.	6.6	36
4	<i>Ab Initio</i> Prediction of Metal-Organic Framework Structures. Chemistry of Materials, 2020, 32, 5835-5844.	3.2	11
5	Catalytic Roomâ€Temperature Câˆ’N Coupling of Amides and Isocyanates by Using Mechanochemistry. ChemSusChem, 2020, 13, 2966-2972.	3.6	17
6	Metalâ€“Organic Frameworks as Fuels for Advanced Applications: Evaluating and Modifying the Combustion Energy of Popular MOFs. Chemistry of Materials, 2019, 31, 4882-4888.	3.2	21
7	Heat capacity and thermodynamic functions of crystalline forms of the metal-organic framework zinc 2-methylimidazolate, Zn(MeIm)2. Journal of Chemical Thermodynamics, 2019, 136, 160-169.	1.0	11
8	Theoretical Prediction and Experimental Evaluation of Topological Landscape and Thermodynamic Stability of a Fluorinated Zeolitic Imidazolate Framework. Chemistry of Materials, 2019, 31, 3777-3783.	3.2	31
9	Computational evaluation of metal pentazolate frameworks: inorganic analogues of azolate metalâ€“organic frameworks. Chemical Science, 2018, 9, 3367-3375.	3.7	39
10	Heat capacity and thermodynamic functions of crystalline and amorphous forms of the metal organic framework zinc 2-ethylimidazolate, Zn(EtIm)2. Journal of Chemical Thermodynamics, 2018, 116, 341-351.	1.0	19
11	An I2 O1 Barium Framework Derived from an In-Situ Metal-Assisted Ligand Transformation. European Journal of Inorganic Chemistry, 2018, 2018, 4458-4464.	1.0	5
12	Experimental and Theoretical Evaluation of the Stability of True MOF Polymorphs Explains Their Mechanochemical Interconversions. Journal of the American Chemical Society, 2017, 139, 7952-7957.	6.6	93
13	<i>In Situ</i> Monitoring and Mechanism of the Mechanochemical Formation of a Microporous MOF-74 Framework. Journal of the American Chemical Society, 2016, 138, 2929-2932.	6.6	194
14	Redox-promoted associative assembly of metalâ€“organic materials. Chemical Science, 2016, 7, 707-712.	3.7	25
15	In situ X-ray diffraction monitoring of a mechanochemical reaction reveals a unique topology metal-organic framework. Nature Communications, 2015, 6, 6662.	5.8	294
16	Circular serendipity: <i>in situ</i> ligand transformation for the self-assembly of an hexadecametallic [Cu^{II}₁₆] wheel. Chemical Communications, 2014, 50, 15002-15005.	2.2	21
17	Development of Cï£¿N Coupling Using Mechanochemistry: Catalytic Coupling of Arylsulfonamides and Carbodiimides. Angewandte Chemie - International Edition, 2014, 53, 9321-9324.	7.2	103
18	Two-dimensional frameworks built from Single-Molecule Magnets. CrystEngComm, 2012, 14, 1216.	1.3	29

#	Article	IF	Citations
19	High-spin Ni(ii) clusters: triangles and planar tetranuclear complexes. Dalton Transactions, 2011, 40, 4590.	1.6	22
20	Assembling molecular triangles into discrete and infinite architectures. CrystEngComm, 2010, 12, 2064.	1.3	22
21	Initial use of 1-hydroxybenzotriazole in the chemistry of group 12 metals: An 1D zinc(II) coordination polymer and a mononuclear cadmium(II) complex containing the deprotonated ligand in a novel monodentate ligation mode. Inorganic Chemistry Communication, 2009, 12, 92-96.	1.8	20
22	Transforming the cube: a tetranuclear cobalt(II) cubane cluster and its transformation to a dimer of dimers. CrystEngComm, 2009, 11, 2117.	1.3	13