Athanassios D Katsenis

List of Publications by Year
in descending order

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22	1,106	471061	642321
papers	citations	17 h-index	23 g-index

30	30	30	1690
all docs	docs citations	times ranked	citing authors

#	Article	IF	Citations
1	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
2	In Situ 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
3	Development of Cï£¿N Coupling Using Mechanochemistry: Catalytic Coupling of Arylsulfonamides and Carbodiimides. Angewandte Chemie - International Edition, 2014, 53, 9321-9324.	7.2	103
4	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
5	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
6	Computational evaluation of metal pentazolate frameworks: inorganic analogues of azolate metalâ€“organic frameworks. Chemical Science, 2018, 9, 3367-3375.	3.7	39
7	Linker Substituents Control the Thermodynamic Stability in Metalâ€“Organic Frameworks. Journal of the American Chemical Society, 2020, 142, 21720-21729.	6.6	36
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	Two-dimensional frameworks built from Single-Molecule Magnets. CrystEngComm, 2012, 14, 1216.	1.3	29
10	Redox-promoted associative assembly of metalâ€“organic materials. Chemical Science, 2016, 7, 707-712.	3.7	25
11	Assembling molecular triangles into discrete and infinite architectures. CrystEngComm, 2010, 12, 2064.	1.3	22
12	High-spin Ni(ii) clusters: triangles and planar tetranuclear complexes. Dalton Transactions, 2011, 40, 4590.	1.6	22
13	Circular serendipity: in situ ligand transformation for the self-assembly of an hexadecametallic [Cu^{II}₁₆] wheel. Chemical Communications, 2014, 50, 15002-15005.	2.2	21
14	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
15	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
16	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
17	Catalytic Roomâ€Temperature Câ€“N Coupling of Amides and Isocyanates by Using Mechanochemistry. ChemSusChem, 2020, 13, 2966-2972.	3.6	17
18	Transforming the cube: a tetranuclear cobalt(II) cubane cluster and its transformation to a dimer of dimers. CrystEngComm, 2009, 11, 2117.	1.3	13

#	Article	IF	Citations
19	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
20	Ab Initio Prediction of Metal-Organic Framework Structures. Chemistry of Materials, 2020, 32, 5835-5844.	3.2	11
21	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
22	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