Jaheon Kim

List of Publications by Year
in descending order

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33	1,632	567281 15	526287 27
papers	citations	h-index	g-index

34	34	34	2475
all docs	docs citations	times ranked	citing authors

#	Article	IF	Citations
1	Control of Vertex Geometry, Structure Dimensionality, Functionality, and Pore Metrics in the Reticular Synthesis of Crystalline Metalâ^'Organic Frameworks and Polyhedra. Journal of the American Chemical Society, 2008, 130, 11650-11661.	13.7	498
2	Control of catenation in CuTATB-n metalâ€“organic frameworks by sonochemical synthesis and its effect on CO2 adsorption. Journal of Materials Chemistry, 2011, 21, 3070.	6.7	225
3	Separation of Acetylene from Carbon Dioxide and Ethylene by a Waterâ€Stable Microporous Metalâ€“Organic Framework with Aligned Imidazolium Groups inside the Channels. Angewandte Chemie - International Edition, 2018, 57, 7869-7873.	13.8	218
4	Asymmetric catalytic reactions by NbO-type chiral metalâ€“organic frameworks. Chemical Science, 2011, 2, 877.	7.4	199
5	Formation and Encapsulation of All-Inorganic Lead Halide Perovskites at Room Temperature in Metalâ€“Organic Frameworks. Journal of Physical Chemistry Letters, 2019, 10, 2270-2277.	4.6	77
6	Separation of Acetylene from Carbon Dioxide and Ethylene by a Waterâ€Stable Microporous Metalâ€“Organic Framework with Aligned Imidazolium Groups inside the Channels. Angewandte Chemie, 2018, 130, 7995-7999.	2.0	64
7	Supramolecular self-assembly of tin(iv) porphyrin channels stabilizing single-file chains of water molecules. CrystEngComm, 2005, 7, 417.	2.6	60
8	Compositions and Structures of Zeolitic Imidazolate Frameworks. Israel Journal of Chemistry, 2018, 58, 1075-1088.	2.3	48
9	High-Pressure Chemistry of a Zeolitic Imidazolate Framework Compound in the Presence of Different Fluids. Journal of the American Chemical Society, 2016, 138, 11477-11480.	13.7	40
10	Two porous metalâ€“organic frameworks containing zincâ€“calcium clusters and calcium cluster chains. CrystEngComm, 2014, 16, 8664-8668.	2.6	23
11	Enhanced water stability and CO₂ gas sorption properties of a methyl functionalized titanium metalâ€“organic framework. New Journal of Chemistry, 2014, 38, 2752-2755.	2.8	19
12	Porosity Properties of the Conformers of Sodalite-like Zeolitic Imidazolate Frameworks. Journal of the American Chemical Society, 2018, 140, 14586-14589.	13.7	19
13	In Situ Neutron Powder Diffraction and X-ray Photoelectron Spectroscopy Analyses on the Hydrogenation of MOF-5 by Pt-Doped Multiwalled Carbon Nanotubes. Journal of Physical Chemistry C, 2014, 118, 5691-5699.	3.1	17
14	Synthetic control of coincidental formation of an N-heterocyclic carbeneâ€“copper(<scp>i</scp>) complex and imidazolium cations within metalâ€“organic frameworks. CrystEngComm, 2017, 19, 1528-1534.	2.6	17
15	Thermal decomposition pathways of nitro-functionalized metalâ€“organic frameworks. Chemical Communications, 2017, 53, 7808-7811.	4.1	12
16	Chemical Property Change in a Metalâ€Organic Framework by Fluoro Functionality. Bulletin of the Korean Chemical Society, 2015, 36, 327-332.	1.9	11
17	A chiral trianglular coordination complex derived from (S,S)-1,2-dimethoxy-di-4-(2â€²-carboxyl-5â€²-pyridyl)phenyl ethane and Cu(ii) by self-assembly. CrystEngComm, 2007, 9, 273-277.	2.6	10
18	Universal Gas-Uptake Behavior of a Zeolitic Imidazolate Framework ZIF-8 at High Pressure. Journal of Physical Chemistry C, 2019, 123, 25769-25774.	3.1	10

#	Article	IF	Citations
19	Near achiral metalâ€“organic frameworks from conformationally flexible homochiral ligands resulted by the preferential formation of pseudo-inversion center in asymmetric unit. CrystEngComm, 2011, 13, 1277-1279.	2.6	9
20	Liquid-Like Hydrogen Stored in Nanoporous Materials at 50 K Observed by in Situ Neutron Diffraction Experiments. Journal of Physical Chemistry C, 2013, 117, 3177-3184.	3.1	9
21	Isolation and Crystal Structure Determination of Piperazine Dicarbamate Obtained from a Direct Reaction between Piperazine and Carbon Dioxide in Methanol. Bulletin of the Korean Chemical Society, 2016, 37, 1854-1857.	1.9	6
22	Microporosity Enhancement in a <scp>Oneâ€Dimensional</scp> Imidazolium Caged <scp>Metalâ€Organic</scp> Framework by Highly Selective <scp>Postsynthetic</scp> Removal of Inner Yttrium Clusters. Bulletin of the Korean Chemical Society, 2021, 42, 1020-1023.	1.9	5
23	Guest-dependent self-assembly of (R,R)-2,3-diphenylsuccinic acidsâ€‰:â€‰ formation of a cyclotetrameric chiral square. CrystEngComm, 2009, 11, 549.	2.6	3
24	Two-step gas adsorption induced by the transmetallation in a two-dimensional metalâ€“organic framework. Chemical Communications, 2020, 56, 9727-9730.	4.1	2
25	Reversible ammonia uptake at room temperature in a robust and tunable metalâ€“organic framework. RSC Advances, 2022, 12, 7605-7611.	3.6	2
26	Preparation of three new metal-organic frameworks by adjusting reaction conditions. , 2010, , .		1
27	Hydrogen-bonding networks of purine derivatives and their bilayers for guest intercalation. CrystEngComm, 2016, 18, 62-67.	2.6	1
28	Metal imidazolate sulphate frameworks as a variation of zeolitic imidazolate frameworks. Chemical Communications, 2022, 58, 2983-2986.	4.1	1
29	Understanding the Mechanism of Hydrogen Adsorption into Metal-Organic Frameworks. Materials Research Society Symposia Proceedings, 2005, 885, 1.	0.1	0
30	Molecular Simulation Study on Catenation Effects on Hydrogen Uptake Capacity of MOFs. Materials Research Society Symposia Proceedings, 2006, 971, 1.	0.1	0
31	Quantitative Structure-Uptake Relationship of Metal-Organic Frameworks as Hydrogen Storage Material. Materials Research Society Symposia Proceedings, 2006, 927, 1.	0.1	0
32	Porosity Changes in a Metalâ€“Organic Framework <scp>HKUST</scp>â€‘1 by Controlled Hydrolysis. Bulletin of the Korean Chemical Society, 2016, 37, 767-770.	1.9	0
33	Poly[bis(ethanol)(Î¼4-2,3,5,6-tetrafluorobenzene-1,4-dicarboxylato)cadmium]. Acta Crystallographica Section E: Structure Reports Online, 2013, 69, m577-m578.	0.2	0