

Antek G Wong-Foy

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.

54
papers

7,743
citations

38
h-index

54
g-index

54
ext. papers

8,261
ext. citations

10.3
avg, IF

6.26
L-index

#	Paper	IF	Citations
54	Estimation of system-level hydrogen storage for metal-organic frameworks with high volumetric storage density. <i>International Journal of Hydrogen Energy</i> , 2019 , 44, 15135-15145	6.7	28
53	Exceptional hydrogen storage achieved by screening nearly half a million metal-organic frameworks. <i>Nature Communications</i> , 2019 , 10, 1568	17.4	154
52	Structure activity relationships in metal-organic framework catalysts for the continuous flow synthesis of propylene carbonate from CO and propylene oxide.. <i>RSC Advances</i> , 2018 , 8, 2132-2137	3.7	28
51	The Metal-Organic Framework Collapse Continuum: Insights from Two-Dimensional Powder X-ray Diffraction. <i>Chemistry of Materials</i> , 2018 , 30, 6559-6565	9.6	42
50	Rapid Guest Exchange and Ultra-Low Surface Tension Solvents Optimize Metal-Organic Framework Activation. <i>Angewandte Chemie</i> , 2017 , 129, 14810-14813	3.6	14
49	Rapid Guest Exchange and Ultra-Low Surface Tension Solvents Optimize Metal-Organic Framework Activation. <i>Angewandte Chemie - International Edition</i> , 2017 , 56, 14618-14621	16.4	66
48	Balancing gravimetric and volumetric hydrogen density in MOFs. <i>Energy and Environmental Science</i> , 2017 , 10, 2459-2471	35.4	85
47	Core-Shell Structures Arise Naturally During Ligand Exchange in Metal-Organic Frameworks. <i>Journal of the American Chemical Society</i> , 2017 , 139, 14841-14844	16.4	85
46	Purification of Chloromethane by Selective Adsorption of Dimethyl Ether on Microporous Coordination Polymers. <i>Langmuir</i> , 2016 , 32, 9743-7	4	1
45	A Perylene-Based Microporous Coordination Polymer Interacts Selectively with Electron-Poor Aromatics. <i>Chemistry - A European Journal</i> , 2016 , 22, 5509-13	4.8	20
44	Rhodium Hydrogenation Catalysts Supported in Metal Organic Frameworks: Influence of the Framework on Catalytic Activity and Selectivity. <i>ACS Catalysis</i> , 2016 , 6, 3569-3574	13.1	56
43	A non-regular layer arrangement of a pillared-layer coordination polymer: avoiding interpenetration via symmetry breaking at nodes. <i>Chemical Communications</i> , 2015 , 51, 13611-4	5.8	9
42	Polymer@MOF@MOF: "grafting from" atom transfer radical polymerization for the synthesis of hybrid porous solids. <i>Chemical Communications</i> , 2015 , 51, 11994-6	5.8	77
41	The Role of Modulators in Controlling Layer Spacings in a Tritopic Linker Based Zirconium 2D Microporous Coordination Polymer. <i>Inorganic Chemistry</i> , 2015 , 54, 4591-3	5.1	44
40	Shear-Triggered Crystallization and Light Emission of a Thermally Stable Organic Supercooled Liquid. <i>ACS Central Science</i> , 2015 , 1, 94-102	16.8	58
39	Porous Solids Arising from Synergistic and Competing Modes of Assembly: Combining Coordination Chemistry and Covalent Bond Formation. <i>Angewandte Chemie</i> , 2015 , 127, 4055-4059	3.6	7
38	Predicting Methane Storage in Open-Metal-Site Metal-Organic Frameworks. <i>Journal of Physical Chemistry C</i> , 2015 , 119, 13451-13458	3.8	53

37	Porous solids arising from synergistic and competing modes of assembly: combining coordination chemistry and covalent bond formation. <i>Angewandte Chemie - International Edition</i> , 2015 , 54, 3983-7	16.4	28
36	Water sensitivity in Zn ₄ O-based MOFs is structure and history dependent. <i>Journal of the American Chemical Society</i> , 2015 , 137, 2651-7	16.4	79
35	Filling pore space in a microporous coordination polymer to improve methane storage performance. <i>Langmuir</i> , 2015 , 31, 2211-7	4	36
34	Microporous coordination polymers as efficient sorbents for air dehumidification. <i>Langmuir</i> , 2014 , 30, 1921-5	4	32
33	Coordination copolymerization of three carboxylate linkers into a pillared layer framework. <i>Chemical Science</i> , 2014 , 5, 3729	9.4	46
32	Heterogenization of homogeneous catalysts in metal-organic frameworks via cation exchange. <i>Journal of the American Chemical Society</i> , 2013 , 135, 10586-9	16.4	240
31	Theoretical Limits of Hydrogen Storage in Metal-Organic Frameworks: Opportunities and Trade-Offs. <i>Chemistry of Materials</i> , 2013 , 25, 3373-3382	9.6	177
30	Rapid and enhanced activation of microporous coordination polymers by flowing supercritical CO ₂ . <i>Chemical Communications</i> , 2013 , 49, 1419-21	5.8	53
29	Interpenetration, porosity, and high-pressure gas adsorption in Zn ₄ O(2,6-naphthalene dicarboxylate) ₃ . <i>Langmuir</i> , 2013 , 29, 8146-53	4	34
28	Evidence of Positronium Bloch states in porous crystals of Zn ₄ O-coordination polymers. <i>Physical Review Letters</i> , 2013 , 110, 197403	7.4	18
27	Exceptional surface area from coordination copolymers derived from two linear linkers of differing lengths. <i>Chemical Science</i> , 2012 , 3, 2429	9.4	59
26	Non-interpenetrated IRMOF-8: synthesis, activation, and gas sorption. <i>Chemical Communications</i> , 2012 , 48, 9828-30	5.8	38
25	Gas and liquid phase adsorption in isostructural Cu ₃ [biaryltricarboxylate] ₂ microporous coordination polymers. <i>Chemical Communications</i> , 2011 , 47, 1452-4	5.8	68
24	Effect of humidity on the performance of microporous coordination polymers as adsorbents for CO ₂ capture. <i>Langmuir</i> , 2011 , 27, 6368-73	4	368
23	Highly dispersed palladium(II) in a defective metal-organic framework: application to C-H activation and functionalization. <i>Journal of the American Chemical Society</i> , 2011 , 133, 20138-41	16.4	151
22	Nonlinear Properties in Coordination Copolymers Derived from Randomly Mixed Ligands. <i>Crystal Growth and Design</i> , 2011 , 11, 2059-2063	3.5	45
21	Metal-dependent phase selection in coordination polymers derived from a C ₂ V-symmetric tricarboxylate. <i>Inorganic Chemistry</i> , 2010 , 49, 5271-5	5.1	52
20	Linker-directed vertex desymmetrization for the production of coordination polymers with high porosity. <i>Journal of the American Chemical Society</i> , 2010 , 132, 13941-8	16.4	164

19	Coordination copolymerization mediated by Zn ₄ O(CO ₂ R) ₆ metal clusters: a balancing act between statistics and geometry. <i>Journal of the American Chemical Society</i> , 2010 , 132, 15005-10	16.4	127
18	Evolution of nanoscale pore structure in coordination polymers during thermal and chemical exposure revealed by positron annihilation. <i>Advanced Materials</i> , 2010 , 22, 1598-601	24	51
17	A porous coordination copolymer with over 5000 m ² /g BET surface area. <i>Journal of the American Chemical Society</i> , 2009 , 131, 4184-5	16.4	420
16	Beryllium benzene dicarboxylate: the first beryllium microporous coordination polymer. <i>Journal of Materials Chemistry</i> , 2009 , 19, 6489		31
15	Microporous coordination polymers as selective sorbents for liquid chromatography. <i>Langmuir</i> , 2009 , 25, 11977-9	4	160
14	Enabling cleaner fuels: desulfurization by adsorption to microporous coordination polymers. <i>Journal of the American Chemical Society</i> , 2009 , 131, 14538-43	16.4	222
13	MOF@MOF: microporous core-shell architectures. <i>Chemical Communications</i> , 2009 , 6162-4	5.8	242
12	Liquid phase adsorption by microporous coordination polymers: removal of organosulfur compounds. <i>Journal of the American Chemical Society</i> , 2008 , 130, 6938-9	16.4	345
11	A crystalline mesoporous coordination copolymer with high microporosity. <i>Angewandte Chemie - International Edition</i> , 2008 , 47, 677-80	16.4	449
10	Dramatic tuning of carbon dioxide uptake via metal substitution in a coordination polymer with cylindrical pores. <i>Journal of the American Chemical Society</i> , 2008 , 130, 10870-1	16.4	1425
9	Phase selection and discovery among five assembly modes in a coordination polymerization. <i>Inorganic Chemistry</i> , 2008 , 47, 7751-6	5.1	73
8	Raman Spectroscopic Investigation of CH ₄ and N ₂ Adsorption in Metal-Organic Frameworks. <i>Chemistry of Materials</i> , 2007 , 19, 3681-3685	9.6	84
7	Porous crystal derived from a tricarboxylate linker with two distinct binding motifs. <i>Journal of the American Chemical Society</i> , 2007 , 129, 15740-1	16.4	205
6	A metal-organic framework with a hierarchical system of pores and tetrahedral building blocks. <i>Angewandte Chemie - International Edition</i> , 2006 , 45, 2528-33	16.4	185
5	A Metal-Organic Framework with a Hierarchical System of Pores and Tetrahedral Building Blocks. <i>Angewandte Chemie</i> , 2006 , 118, 2590-2595	3.6	27
4	Exceptional H ₂ saturation uptake in microporous metal-organic frameworks. <i>Journal of the American Chemical Society</i> , 2006 , 128, 3494-5	16.4	1079
3	Alkane C-H Bond Activation by O-Donor Ir Complexes. <i>ACS Symposium Series</i> , 2004 , 105-115	0.4	2
2	Alkane C-H activation and catalysis by an O-donor ligated iridium complex. <i>Journal of the American Chemical Society</i> , 2003 , 125, 14292-3	16.4	64

- 1 Intramolecular C-H activation by dicationic Pt(II) complexes. *Journal of Molecular Catalysis A*, **2002**, 189, 3-16