Antek G Wong-Foy

List of Publications by Citations

Source: https://exaly.com/author-pdf/3781604/antek-g-wong-foy-publications-by-citations.pdf
Version: 2024-04-19

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.

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	Dramatic tuning of carbon dioxide uptake via metal substitution in a coordination polymer with cylindrical pores. *Journal of the American Chemical Society*, **2008**, 130, 10870-1	16.4	1425
53	Exceptional H2 saturation uptake in microporous metal-organic frameworks. *Journal of the American Chemical Society*, **2006**, 128, 3494-5	16.4	1079
52	A crystalline mesoporous coordination copolymer with high microporosity. *Angewandte Chemie - International Edition*, **2008**, 47, 677-80	16.4	449
51	A porous coordination copolymer with over 5000 m2/g BET surface area. *Journal of the American Chemical Society*, **2009**, 131, 4184-5	16.4	420
50	Effect of humidity on the performance of microporous coordination polymers as adsorbents for CO2 capture. *Langmuir*, **2011**, 27, 6368-73	4	368
49	Liquid phase adsorption by microporous coordination polymers: removal of organosulfur compounds. *Journal of the American Chemical Society*, **2008**, 130, 6938-9	16.4	345
48	MOF@MOF: microporous core-shell architectures. *Chemical Communications*, **2009**, 6162-4	5.8	242
47	Heterogenization of homogeneous catalysts in metal-organic frameworks via cation exchange. *Journal of the American Chemical Society*, **2013**, 135, 10586-9	16.4	240
46	Enabling cleaner fuels: desulfurization by adsorption to microporous coordination polymers. *Journal of the American Chemical Society*, **2009**, 131, 14538-43	16.4	222
45	Porous crystal derived from a tricarboxylate linker with two distinct binding motifs. *Journal of the American Chemical Society*, **2007**, 129, 15740-1	16.4	205
44	A metal-organic framework with a hierarchical system of pores and tetrahedral building blocks. *Angewandte Chemie - International Edition*, **2006**, 45, 2528-33	16.4	185
43	Theoretical Limits of Hydrogen Storage in Metal□Organic Frameworks: Opportunities and Trade-Offs. *Chemistry of Materials*, **2013**, 25, 3373-3382	9.6	177
42	Linker-directed vertex desymmetrization for the production of coordination polymers with high porosity. *Journal of the American Chemical Society*, **2010**, 132, 13941-8	16.4	164
41	Microporous coordination polymers as selective sorbents for liquid chromatography. *Langmuir*, **2009**, 25, 11977-9	4	160
40	Exceptional hydrogen storage achieved by screening nearly half a million metal-organic frameworks. *Nature Communications*, **2019**, 10, 1568	17.4	154
39	Highly dispersed palladium(II) in a defective metal-organic framework: application to C-H activation and functionalization. *Journal of the American Chemical Society*, **2011**, 133, 20138-41	16.4	151
38	Coordination copolymerization mediated by Zn4O(CO2R)6 metal clusters: a balancing act between statistics and geometry. *Journal of the American Chemical Society*, **2010**, 132, 15005-10	16.4	127

37	Balancing gravimetric and volumetric hydrogen density in MOFs. *Energy and Environmental Science*, **2017**, 10, 2459-2471	35.4	85
36	Core-Shell Structures Arise Naturally During Ligand Exchange in Metal-Organic Frameworks. *Journal of the American Chemical Society*, **2017**, 139, 14841-14844	16.4	85
35	Raman Spectroscopic Investigation of CH4 and N2 Adsorption in Metal□rganic Frameworks. *Chemistry of Materials*, **2007**, 19, 3681-3685	9.6	84
34	Water sensitivity in Zn4O-based MOFs is structure and history dependent. *Journal of the American Chemical Society*, **2015**, 137, 2651-7	16.4	79
33	Polymer@MOF@MOF: "grafting from" atom transfer radical polymerization for the synthesis of hybrid porous solids. *Chemical Communications*, **2015**, 51, 11994-6	5.8	77
32	Phase selection and discovery among five assembly modes in a coordination polymerization. *Inorganic Chemistry*, **2008**, 47, 7751-6	5.1	73
31	Gas and liquid phase adsorption in isostructural Cu3[biaryltricarboxylate]2 microporous coordination polymers. *Chemical Communications*, **2011**, 47, 1452-4	5.8	68
30	Rapid Guest Exchange and Ultra-Low Surface Tension Solvents Optimize Metal-Organic Framework Activation. *Angewandte Chemie - International Edition*, **2017**, 56, 14618-14621	16.4	66
29	Alkane C-H activation and catalysis by an O-donor ligated iridium complex. *Journal of the American Chemical Society*, **2003**, 125, 14292-3	16.4	64
28	Exceptional surface area from coordination copolymers derived from two linear linkers of differing lengths. *Chemical Science*, **2012**, 3, 2429	9.4	59
27	Shear-Triggered Crystallization and Light Emission of a Thermally Stable Organic Supercooled Liquid. *ACS Central Science*, **2015**, 1, 94-102	16.8	58
26	Rhodium Hydrogenation Catalysts Supported in Metal Organic Frameworks: Influence of the Framework on Catalytic Activity and Selectivity. *ACS Catalysis*, **2016**, 6, 3569-3574	13.1	56
25	Rapid and enhanced activation of microporous coordination polymers by flowing supercritical CO2. *Chemical Communications*, **2013**, 49, 1419-21	5.8	53
24	Predicting Methane Storage in Open-Metal-Site Metal□rganic Frameworks. *Journal of Physical Chemistry C*, **2015**, 119, 13451-13458	3.8	53
23	Metal-dependent phase selection in coordination polymers derived from a C(2V)-symmetric tricarboxylate. *Inorganic Chemistry*, **2010**, 49, 5271-5	5.1	52
22	Evolution of nanoscale pore structure in coordination polymers during thermal and chemical exposure revealed by positron annihilation. *Advanced Materials*, **2010**, 22, 1598-601	24	51
21	Coordination copolymerization of three carboxylate linkers into a pillared layer framework. *Chemical Science*, **2014**, 5, 3729	9.4	46
20	Nonlinear Properties in Coordination Copolymers Derived from Randomly Mixed Ligands. *Crystal Growth and Design*, **2011**, 11, 2059-2063	3.5	45

19	The Role of Modulators in Controlling Layer Spacings in a Tritopic Linker Based Zirconium 2D Microporous Coordination Polymer. *Inorganic Chemistry*, **2015**, 54, 4591-3	5.1	44
18	The Metal□Organic Framework Collapse Continuum: Insights from Two-Dimensional Powder X-ray Diffraction. *Chemistry of Materials*, **2018**, 30, 6559-6565	9.6	42
17	Non-interpenetrated IRMOF-8: synthesis, activation, and gas sorption. *Chemical Communications*, **2012**, 48, 9828-30	5.8	38
16	Intramolecular C?H activation by dicationic Pt(II) complexes. *Journal of Molecular Catalysis A*, **2002**, 189, 3-16		37
15	Filling pore space in a microporous coordination polymer to improve methane storage performance. *Langmuir*, **2015**, 31, 2211-7	4	36
14	Interpenetration, porosity, and high-pressure gas adsorption in Zn4O(2,6-naphthalene dicarboxylate)3. *Langmuir*, **2013**, 29, 8146-53	4	34
13	Microporous coordination polymers as efficient sorbents for air dehumidification. *Langmuir*, **2014**, 30, 1921-5	4	32
12	Beryllium benzene dicarboxylate: the first beryllium microporous coordination polymer. *Journal of Materials Chemistry*, **2009**, 19, 6489		31
11	Estimation of system-level hydrogen storage for metal-organic frameworks with high volumetric storage density. *International Journal of Hydrogen Energy*, **2019**, 44, 15135-15145	6.7	28
10	Structure activity relationships in metal-organic framework catalysts for the continuous flow synthesis of propylene carbonate from CO and propylene oxide.. *RSC Advances*, **2018**, 8, 2132-2137	3.7	28
9	Porous solids arising from synergistic and competing modes of assembly: combining coordination chemistry and covalent bond formation. *Angewandte Chemie - International Edition*, **2015**, 54, 3983-7	16.4	28
8	A Metal□Organic Framework with a Hierarchical System of Pores and Tetrahedral Building Blocks. *Angewandte Chemie*, **2006**, 118, 2590-2595	3.6	27
7	A Perylene-Based Microporous Coordination Polymer Interacts Selectively with Electron-Poor Aromatics. *Chemistry - A European Journal*, **2016**, 22, 5509-13	4.8	20
6	Evidence of Positronium Bloch states in porous crystals of Zn4O-coordination polymers. *Physical Review Letters*, **2013**, 110, 197403	7.4	18
5	Rapid Guest Exchange and Ultra-Low Surface Tension Solvents Optimize Metal□Organic Framework Activation. *Angewandte Chemie*, **2017**, 129, 14810-14813	3.6	14
4	A non-regular layer arrangement of a pillared-layer coordination polymer: avoiding interpenetration via symmetry breaking at nodes. *Chemical Communications*, **2015**, 51, 13611-4	5.8	9
3	Porous Solids Arising from Synergistic and Competing Modes of Assembly: Combining Coordination Chemistry and Covalent Bond Formation. *Angewandte Chemie*, **2015**, 127, 4055-4059	3.6	7
2	Alkane C□H Bond Activation by O-Donor Ir Complexes. *ACS Symposium Series*, **2004**, 105-115	0.4	2

1	Purification of Chloromethane by Selective Adsorption of Dimethyl Ether on Microporous Coordination Polymers. *Langmuir*, **2016**, 32, 9743-7	4	1