# Antek G Wong-Foy

List of Publications by Year
in descending order



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|---|---|---|---|
| 53 papers | 8,797 citations | 81743 39 h-index | 161609 54 g-index |
| 54 all docs | 54 docs citations | 54 times ranked | 8746 citing authors |

| # | Article | IF | Citations |
|---|---|---|---|
| 1 | Dramatic Tuning of Carbon Dioxide Uptake via Metal Substitution in a Coordination Polymer with Cylindrical Pores. Journal of the American Chemical Society, 2008, 130, 10870-10871. | 6.6 | 1,612 |
| 2 | Exceptional H2Saturation Uptake in Microporous Metalâ˜Organic Frameworks. Journal of the American Chemical Society, 2006, 128, 3494-3495. | 6.6 | 1,172 |
| 3 | A Crystalline Mesoporous Coordination Copolymer with High Microporosity. Angewandte Chemie - International Edition, 2008, 47, 677-680. | 7.2 | 478 |
| 4 | A Porous Coordination Copolymer with over 5000 m<sup>2</sup>/g BET Surface Area. Journal of the American Chemical Society, 2009, 131, 4184-4185. | 6.6 | 446 |
| 5 | Effect of Humidity on the Performance of Microporous Coordination Polymers as Adsorbents for CO<sub>2</sub> Capture. Langmuir, 2011, 27, 6368-6373. | 1.6 | 409 |
| 6 | Liquid Phase Adsorption by Microporous Coordination Polymers: Removal of Organosulfur Compounds. Journal of the American Chemical Society, 2008, 130, 6938-6939. | 6.6 | 365 |
| 7 | Exceptional hydrogen storage achieved by screening nearly half a million metal-organic frameworks. Nature Communications, 2019, 10, 1568. | 5.8 | 278 |
| 8 | Heterogenization of Homogeneous Catalysts in Metalâ€“Organic Frameworks via Cation Exchange. Journal of the American Chemical Society, 2013, 135, 10586-10589. | 6.6 | 277 |
| 9 | MOF@MOF: microporous coreâ€“shell architectures. Chemical Communications, 2009, , 6162. | 2.2 | 269 |
| 10 | Enabling Cleaner Fuels: Desulfurization by Adsorption to Microporous Coordination Polymers. Journal of the American Chemical Society, 2009, 131, 14538-14543. | 6.6 | 236 |
| 11 | Porous Crystal Derived from a Tricarboxylate Linker with Two Distinct Binding Motifs. Journal of the American Chemical Society, 2007, 129, 15740-15741. | 6.6 | 219 |
| 12 | Theoretical Limits of Hydrogen Storage in Metalâ€“Organic Frameworks: Opportunities and Trade-Offs. Chemistry of Materials, 2013, 25, 3373-3382. | 3.2 | 211 |
| 13 | A Metalâ€“Organic Framework with a Hierarchical System of Pores and Tetrahedral Building Blocks. Angewandte Chemie - International Edition, 2006, 45, 2528-2533. | 7.2 | 196 |
| 14 | Linker-Directed Vertex Desymmetrization for the Production of Coordination Polymers with High Porosity. Journal of the American Chemical Society, 2010, 132, 13941-13948. | 6.6 | 184 |
| 15 | Microporous Coordination Polymers As Selective Sorbents for Liquid Chromatography. Langmuir, 2009, 25, 11977-11979. | 1.6 | 170 |
| 16 | Highly Dispersed Palladium(II) in a Defective Metalâ€“Organic Framework: Application to Câ€“H Activation and Functionalization. Journal of the American Chemical Society, 2011, 133, 20138-20141. | 6.6 | 166 |
| 17 | Coordination Copolymerization Mediated by Zn<sub>4</sub>O(CO<sub>2</sub>R)<sub>6</sub> Metal Clusters: a Balancing Act between Statistics and Geometry. Journal of the American Chemical Society, 2010, 132, 15005-15010. | 6.6 | 140 |
| 18 | Balancing gravimetric and volumetric hydrogen density in MOFs. Energy and Environmental Science, 2017, 10, 2459-2471. | 15.6 | 127 |

| # | Article | IF | Citations |
|---|---|---|---|
| 19 | Coreâ€“Shell Structures Arise Naturally During Ligand Exchange in Metalâ€“Organic Frameworks. Journal of the American Chemical Society, 2017, 139, 14841-14844. | 6.6 | 115 |
| 20 | Polymer@MOF@MOF: â€œgrafting fromâ€•atom transfer radical polymerization for the synthesis of hybrid porous solids. Chemical Communications, 2015, 51, 11994-11996. | 2.2 | 100 |
| 21 | Water Sensitivity in Zn<sub>4</sub>O-Based MOFs is Structure and History Dependent. Journal of the American Chemical Society, 2015, 137, 2651-2657. | 6.6 | 94 |
| 22 | Raman Spectroscopic Investigation of CH4and N2Adsorption in Metalâ^'Organic Frameworks. Chemistry of Materials, 2007, 19, 3681-3685. | 3.2 | 93 |
| 23 | Rapid Guest Exchange and Ultraâ€Low Surface Tension Solvents Optimize Metalâ€“Organic Framework Activation. Angewandte Chemie - International Edition, 2017, 56, 14618-14621. | 7.2 | 93 |
| 24 | Phase Selection and Discovery among Five Assembly Modes in a Coordination Polymerization. Inorganic Chemistry, 2008, 47, 7751-7756. | 1.9 | 80 |
| 25 | Shear-Triggered Crystallization and Light Emission of a Thermally Stable Organic Supercooled Liquid. ACS Central Science, 2015, 1, 94-102. | 5.3 | 77 |
| 26 | Gas and liquid phase adsorption in isostructural Cu<sub>3</sub>[biaryltricarboxylate]<sub>2</sub>microporous coordination polymers. Chemical Communications, 2011, 47, 1452-1454. | 2.2 | 71 |
| 27 | Rhodium Hydrogenation Catalysts Supported in Metal Organic Frameworks: Influence of the Framework on Catalytic Activity and Selectivity. ACS Catalysis, 2016, 6, 3569-3574. | 5.5 | 65 |
| 28 | Alkane Câ^'H Activation and Catalysis by an O-Donor Ligated Iridium Complex. Journal of the American Chemical Society, 2003, 125, 14292-14293. | 6.6 | 64 |
| 29 | The Metalâ€“Organic Framework Collapse Continuum: Insights from Two-Dimensional Powder X-ray Diffraction. Chemistry of Materials, 2018, 30, 6559-6565. | 3.2 | 64 |
| 30 | Exceptional surface area from coordination copolymers derived from two linear linkers of differing lengths. Chemical Science, 2012, 3, 2429. | 3.7 | 63 |
| 31 | Rapid and enhanced activation of microporous coordination polymers by flowing supercritical CO2. Chemical Communications, 2013, 49, 1419. | 2.2 | 63 |
| 32 | Predicting Methane Storage in Open-Metal-Site Metalâ€“Organic Frameworks. Journal of Physical Chemistry C, 2015, 119, 13451-13458. | 1.5 | 62 |
| 33 | The Role of Modulators in Controlling Layer Spacings in a Tritopic Linker Based Zirconium 2D Microporous Coordination Polymer. Inorganic Chemistry, 2015, 54, 4591-4593. | 1.9 | 62 |
| 34 | Evolution of Nanoscale Pore Structure in Coordination Polymers During Thermal and Chemical Exposure Revealed by Positron Annihilation. Advanced Materials, 2010, 22, 1598-1601. | 11.1 | 56 |
| 35 | Metal-Dependent Phase Selection in Coordination Polymers Derived from a C<sub>2v</sub>-Symmetric Tricarboxylate. Inorganic Chemistry, 2010, 49, 5271-5275. | 1.9 | 53 |
| 36 | Coordination copolymerization of three carboxylate linkers into a pillared layer framework. Chemical Science, 2014, 5, 3729. | 3.7 | 53 |

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|---|---|---|---|
| 37 | Estimation of system-level hydrogen storage for metal-organic frameworks with high volumetric storage density. International Journal of Hydrogen Energy, 2019, 44, 15135-15145. | 3.8 | 53 |
| 38 | Non-interpenetrated IRMOF-8: synthesis, activation, and gas sorption. Chemical Communications, 2012, 48, 9828. | 2.2 | 49 |
| 39 | Nonlinear Properties in Coordination Copolymers Derived from Randomly Mixed Ligands. Crystal Growth and Design, 2011, 11, 2059-2063. | 1.4 | 47 |
| 40 | Filling Pore Space in a Microporous Coordination Polymer to Improve Methane Storage Performance. Langmuir, 2015, 31, 2211-2217. | 1.6 | 39 |
| 41 | Intramolecular Cî—¸H activation by dicationic Pt(II) complexes. Journal of Molecular Catalysis A, 2002, 189, 3-16. | 4.8 | 38 |
| 42 | Interpenetration, Porosity, and High-Pressure Gas Adsorption in Zn<sub>4</sub>O(2,6-naphthalene) Tj ETQq0 0 0 rgBT /Overlock 10 Tf | 1.6 | 36 |
| 43 | Microporous Coordination Polymers as Efficient Sorbents for Air Dehumidification. Langmuir, 2014, 30, 1921-1925. | 1.6 | 36 |
| 44 | Structure activity relationships in metalâ€“organic framework catalysts for the continuous flow synthesis of propylene carbonate from CO<sub>2</sub> and propylene oxide. RSC Advances, 2018, 8, 2132-2137. | 1.7 | 32 |
| 45 | Beryllium benzene dicarboxylate: the first beryllium microporous coordination polymer. Journal of Materials Chemistry, 2009, 19, 6489. | 6.7 | 31 |
| 46 | Porous Solids Arising from Synergistic and Competing Modes of Assembly: Combining Coordination Chemistry and Covalent Bond Formation. Angewandte Chemie - International Edition, 2015, 54, 3983-3987. | 7.2 | 30 |
| 47 | Rapid Guest Exchange and Ultraâ€Low Surface Tension Solvents Optimize Metalâ€“Organic Framework Activation. Angewandte Chemie, 2017, 129, 14810-14813. | 1.6 | 26 |
| 48 | Evidence of Positronium Bloch States in Porous Crystals ofZn4O-Coordination Polymers. Physical Review Letters, 2013, 110, 197403. | 2.9 | 23 |
| 49 | A Peryleneâ€Based Microporous Coordination Polymer Interacts Selectively with Electronâ€Poor Aromatics. Chemistry - A European Journal, 2016, 22, 5509-5513. | 1.7 | 22 |
| 50 | A non-regular layer arrangement of a pillared-layer coordination polymer: avoiding interpenetration via symmetry breaking at nodes. Chemical Communications, 2015, 51, 13611-13614. | 2.2 | 9 |
| 51 | Porous Solids Arising from Synergistic and Competing Modes of Assembly: Combining Coordination Chemistry and Covalent Bond Formation. Angewandte Chemie, 2015, 127, 4055-4059. | 1.6 | 7 |
| 52 | Purification of Chloromethane by Selective Adsorption of Dimethyl Ether on Microporous Coordination Polymers. Langmuir, 2016, 32, 9743-9747. | 1.6 | 4 |
| 53 | Alkane Câ€”H Bond Activation by O-Donor Ir Complexes. ACS Symposium Series, 2004, , 105-115. | 0.5 | 3 |