

Wojciech Bury

List of Publications by Citations

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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.

57
papers

6,202
citations

29
h-index

60
g-index

60
ext. papers

6,966
ext. citations

10.1
avg, IF

5.64
L-index

#	Paper	IF	Citations
57	Vapor-phase metalation by atomic layer deposition in a metal-organic framework. <i>Journal of the American Chemical Society</i> , 2013 , 135, 10294-7	16.4	659
56	Destruction of chemical warfare agents using metal-organic frameworks. <i>Nature Materials</i> , 2015 , 14, 512-6	27	647
55	Beyond post-synthesis modification: evolution of metal-organic frameworks via building block replacement. <i>Chemical Society Reviews</i> , 2014 , 43, 5896-912	58.5	621
54	Computation-Ready, Experimental Metal-Organic Frameworks: A Tool To Enable High-Throughput Screening of Nanoporous Crystals. <i>Chemistry of Materials</i> , 2014 , 26, 6185-6192	9.6	387
53	Perfluoroalkane functionalization of NU-1000 via solvent-assisted ligand incorporation: synthesis and CO ₂ adsorption studies. <i>Journal of the American Chemical Society</i> , 2013 , 135, 16801-4	16.4	370
52	Opening ZIF-8: a catalytically active zeolitic imidazolate framework of sodalite topology with unsubstituted linkers. <i>Journal of the American Chemical Society</i> , 2012 , 134, 18790-6	16.4	303
51	Solvent-assisted linker exchange: an alternative to the de novo synthesis of unattainable metal-organic frameworks. <i>Angewandte Chemie - International Edition</i> , 2014 , 53, 4530-40	16.4	280
50	Ultrahigh surface area zirconium MOFs and insights into the applicability of the BET theory. <i>Journal of the American Chemical Society</i> , 2015 , 137, 3585-91	16.4	249
49	Transmetalation: routes to metal exchange within metal-organic frameworks. <i>Journal of Materials Chemistry A</i> , 2013 , 1, 5453	13	234
48	Directed growth of electroactive metal-organic framework thin films using electrophoretic deposition. <i>Advanced Materials</i> , 2014 , 26, 6295-300	24	219
47	A porous proton-relaying metal-organic framework material that accelerates electrochemical hydrogen evolution. <i>Nature Communications</i> , 2015 , 6, 8304	17.4	194
46	Metal-Organic Framework Thin Films Composed of Free-Standing Acicular Nanorods Exhibiting Reversible Electrochromism. <i>Chemistry of Materials</i> , 2013 , 25, 5012-5017	9.6	194
45	Versatile functionalization of the NU-1000 platform by solvent-assisted ligand incorporation. <i>Chemical Communications</i> , 2014 , 50, 1965-8	5.8	164
44	Synthesis and characterization of isostructural cadmium zeolitic imidazolate frameworks via solvent-assisted linker exchange. <i>Chemical Science</i> , 2012 , 3, 3256	9.4	148
43	MOF functionalization via solvent-assisted ligand incorporation: phosphonates vs carboxylates. <i>Inorganic Chemistry</i> , 2015 , 54, 2185-92	5.1	140
42	Metal-Organic Framework Thin Films as Platforms for Atomic Layer Deposition of Cobalt Ions To Enable Electrocatalytic Water Oxidation. <i>ACS Applied Materials & Interfaces</i> , 2015 , 7, 28223-30	9.5	126
41	Ultraporous, Water Stable, and Breathing Zirconium-Based Metal-Organic Frameworks with ftw Topology. <i>Journal of the American Chemical Society</i> , 2015 , 137, 13183-90	16.4	125

40	Water-stable zirconium-based metal-organic framework material with high-surface area and gas-storage capacities. <i>Chemistry - A European Journal</i> , 2014 , 20, 12389-93	4.8	124
39	Control over Catenation in Pillared Paddlewheel Metal-Organic Framework Materials via Solvent-Assisted Linker Exchange. <i>Chemistry of Materials</i> , 2013 , 25, 739-744	9.6	120
38	Bias-Switchable Permselectivity and Redox Catalytic Activity of a Ferrocene-Functionalized, Thin-Film Metal-Organic Framework Compound. <i>Journal of Physical Chemistry Letters</i> , 2015 , 6, 586-91	6.4	100
37	Opening Metal-Organic Frameworks Vol. 2: Inserting Longer Pillars into Pillared-Paddlewheel Structures through Solvent-Assisted Linker Exchange. <i>Chemistry of Materials</i> , 2013 , 25, 3499-3503	9.6	99
36	Alkylzinc carboxylates as efficient precursors for zinc oxocarboxylates and sulfidocarboxylates. <i>Angewandte Chemie - International Edition</i> , 2008 , 47, 573-6	16.4	61
35	Porous Silsesquioxane-Imine Frameworks as Highly Efficient Adsorbents for Cooperative Iodine Capture. <i>ACS Applied Materials & Interfaces</i> , 2018 , 10, 19964-19973	9.5	57
34	From discrete linear Zn ₂ (Bu) ₂ molecules to 1D coordination polymers and 2D fabrics. <i>Journal of the American Chemical Society</i> , 2007 , 129, 3096-8	16.4	51
33	Lösungsmittelunterstützter Linker-Austausch: eine Alternative zur De-novo-Synthese von Metall-organischen Gerüsten. <i>Angewandte Chemie</i> , 2014 , 126, 4618-4628	3.6	41
32	Development of zinc alkyl/air systems as radical initiators for organic reactions. <i>Chemical Science</i> , 2015 , 6, 3102-3108	9.4	40
31	Permanent porosity derived from the self-assembly of highly luminescent molecular zinc carbonate nanoclusters. <i>Angewandte Chemie - International Edition</i> , 2013 , 52, 13414-8	16.4	37
30	Efficient route to tetramethylalumoxane and carboxylate alumoxanes through the alkylation of phthalic acid. <i>Angewandte Chemie - International Edition</i> , 2006 , 45, 2872-5	16.4	32
29	Oxozinc carboxylate complexes: a new synthetic approach and the carboxylate ligand effect on the noncovalent-interactions-driven self-assembly. <i>Inorganic Chemistry</i> , 2012 , 51, 7410-4	5.1	31
28	tert-Butylzinc hydroxide as an efficient pre-designed precursor of ZnO nanoparticles. <i>Chemical Communications</i> , 2011 , 47, 5467-9	5.8	29
27	Investigations on the interaction of dichloroaluminum carboxylates with Lewis bases and water: an efficient road toward oxo- and hydroxoaluminum carboxylate complexes. <i>Inorganic Chemistry</i> , 2012 , 51, 737-45	5.1	27
26	Oxozinc carboxylates: a pre-designed platform for modelling prototypical Zn-MOFs reactivity toward water and donor solvents. <i>Chemical Communications</i> , 2012 , 48, 7362-4	5.8	25
25	Alkylzinc Carboxylates as Efficient Precursors for Zinc Oxocarboxylates and Sulfidocarboxylates. <i>Angewandte Chemie</i> , 2008 , 120, 583-586	3.6	23
24	Rational Design of Noncovalent Diamondoid Microporous Materials for Low-Energy Separation of C-Hydrocarbons. <i>Journal of the American Chemical Society</i> , 2018 , 140, 15031-15037	16.4	23
23	Enhanced gas sorption properties and unique behavior toward liquid water in a pillared-paddlewheel metal-organic framework transmetalated with Ni(II). <i>Inorganic Chemistry</i> , 2014 , 53, 10432-6	5.1	22

22	Probing mesoporous Zr-MOF as drug delivery system for carboxylate functionalized molecules. <i>Polyhedron</i> , 2018 , 156, 131-137	2.7	20
21	tert-Butyl(tert-butoxy)zinc hydroxides: hybrid models for single-source precursors of ZnO nanocrystals. <i>Chemistry - A European Journal</i> , 2015 , 21, 5488-95	4.8	19
20	Quest for an Efficient 2-in-1 MOF-Based Catalytic System for Cycloaddition of CO to Epoxides under Mild Conditions. <i>ACS Applied Materials & Interfaces</i> , 2021 , 13, 8344-8352	9.5	16
19	A Second Polymorphic Form of Trimethylindium: Topology of Supramolecular Architectures of Group 13 Trimethyls. <i>Organometallics</i> , 2005 , 24, 4832-4837	3.8	14
18	Activation of CO ₂ by tBuZnOH species: efficient routes to novel nanomaterials based on zinc carbonates. <i>Chemical Communications</i> , 2013 , 49, 5271-3	5.8	13
17	Structure investigations of dichloroaluminum benzoates: an unprecedented example of a monomeric aluminum complex with a chelating carboxylate ligand. <i>Inorganic Chemistry</i> , 2009 , 48, 10892-4	5.1	13
16	Unravelling the Behavior of Dion-Jacobson Layered Hybrid Perovskites in Humid Environments. <i>ACS Energy Letters</i> , 2021 , 6, 337-344	20.1	13
15	Hybrid Triazine-Boron Two-Dimensional Covalent Organic Frameworks: Synthesis, Characterization, and DFT Approach to Layer Interaction Energies. <i>ACS Applied Materials & Interfaces</i> , 2017 , 9, 31129-31141	9.5	12
14	Significance of Intermolecular S...O Interaction Involving MS and C=O Centers in Crystal Structures of Metal Thiolate Complexes. <i>European Journal of Inorganic Chemistry</i> , 2005 , 2005, 4490-4492	2.3	12
13	Efficient Route to Tetramethylalumoxane and Carboxylate Alumoxanes through the Alkylation of Phthalic Acid. <i>Angewandte Chemie</i> , 2006 , 118, 2938-2941	3.6	10
12	Feeding a Molecular Squid: A Pliable Nanocarbon Receptor for Electron-Poor Aromatics. <i>Journal of the American Chemical Society</i> , 2020 , 142, 15604-15613	16.4	9
11	Structure investigations of group 13 organometallic carboxylates. <i>Dalton Transactions</i> , 2017 , 46, 669-674	4.3	8
10	Experimental and computational insights into carbon dioxide fixation by RZnOH species. <i>Chemistry - A European Journal</i> , 2015 , 21, 5496-503	4.8	8
9	Permanent Porosity Derived From the Self-Assembly of Highly Luminescent Molecular Zinc Carbonate Nanoclusters. <i>Angewandte Chemie</i> , 2013 , 125, 13656-13660	3.6	8
8	Unprecedented Coordination Mode Variation of Group 13 Metal-Alkyl Compounds Derived from Methyl Thiosalicylate. <i>European Journal of Inorganic Chemistry</i> , 2005 , 2005, 3414-3417	2.3	7
7	On the Nature of Luminescence Thermochromism of Multinuclear Copper(I) Benzoate Complexes in the Crystalline State. <i>Crystals</i> , 2019 , 9, 36	2.3	5
6	Toward coordination polymers based on fine-tunable group 13 organometallic phthalates. <i>Inorganic Chemistry</i> , 2014 , 53, 7270-5	5.1	4
5	Synthesis and characterization of functionalized metal-organic frameworks. <i>Journal of Visualized Experiments</i> , 2014 , e52094	1.6	3

4	Turning Flexibility into Rigidity: Stepwise Locking of Interpenetrating Networks in a MOF Crystal through Click Reaction. <i>Chemistry of Materials</i> , 2021 , 33, 7509-7517	9.6	3
3	Immobilization of Rh(I) precursor in a porphyrin metal-organic framework - turning on the catalytic activity. <i>Dalton Transactions</i> , 2021 , 50, 9051-9058	4.3	2
2	Synthesis, Structure, and Magnetic Properties of a Mononuclear Chiral (Acetato)bis(aminoalkoxido)manganese(III) Complex. <i>European Journal of Inorganic Chemistry</i> , 2017 , 2017, 1392-1395	2.3	1
1	Multi-Length Scale Structure of 2D/3D Dion-Jacobson Hybrid Perovskites Based on an Aromatic Diammonium Spacer. <i>Small</i> , 2021 , e2104287	11	0