

# Felipe Gndara

## 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.

79 papers	11,498 citations	43 h-index	92 g-index
92 ext. papers	13,279 ext. citations	10.7 avg, IF	6.34 L-index

#	Paper	IF	Citations
79	Water adsorption in porous metal-organic frameworks and related materials. <i>Journal of the American Chemical Society</i> , <b>2014</b> , 136, 4369-81	16.4	1433
78	Large-pore apertures in a series of metal-organic frameworks. <i>Science</i> , <b>2012</b> , 336, 1018-23	33.3	1425
77	Chemistry of Covalent Organic Frameworks. <i>Accounts of Chemical Research</i> , <b>2015</b> , 48, 3053-63	24.3	964
76	Synthesis, structure, and metalation of two new highly porous zirconium metal-organic frameworks. <i>Inorganic Chemistry</i> , <b>2012</b> , 51, 6443-5	5.1	629
75	Covalent Organic Frameworks with High Charge Carrier Mobility. <i>Chemistry of Materials</i> , <b>2011</b> , 23, 4094-4097	9.6	524
74	New Porous Crystals of Extended Metal-Catecholates. <i>Chemistry of Materials</i> , <b>2012</b> , 24, 3511-3513	9.6	423
73	Superacidity in sulfated metal-organic framework-808. <i>Journal of the American Chemical Society</i> , <b>2014</b> , 136, 12844-7	16.4	350
72	High methane storage capacity in aluminum metal-organic frameworks. <i>Journal of the American Chemical Society</i> , <b>2014</b> , 136, 5271-4	16.4	349
71	Metal-organic frameworks with precisely designed interior for carbon dioxide capture in the presence of water. <i>Journal of the American Chemical Society</i> , <b>2014</b> , 136, 8863-6	16.4	317
70	Weaving of organic threads into a crystalline covalent organic framework. <i>Science</i> , <b>2016</b> , 351, 365-9	33.3	307
69	Synthesis and characterization of metal-organic framework-74 containing 2, 4, 6, 8, and 10 different metals. <i>Inorganic Chemistry</i> , <b>2014</b> , 53, 5881-3	5.1	303
68	Single-crystal structure of a covalent organic framework. <i>Journal of the American Chemical Society</i> , <b>2013</b> , 135, 16336-9	16.4	277
67	Definitive molecular level characterization of defects in UiO-66 crystals. <i>Angewandte Chemie - International Edition</i> , <b>2015</b> , 54, 11162-7	16.4	267
66	Three-Dimensional Metal-Catecholate Frameworks and Their Ultrahigh Proton Conductivity. <i>Journal of the American Chemical Society</i> , <b>2015</b> , 137, 15394-7	16.4	216
65	Realization of a three-dimensional spin-anisotropic harmonic honeycomb iridate. <i>Nature Communications</i> , <b>2014</b> , 5, 4203	17.4	197
64	A Titanium-Organic Framework as an Exemplar of Combining the Chemistry of Metal- and Covalent-Organic Frameworks. <i>Journal of the American Chemical Society</i> , <b>2016</b> , 138, 4330-3	16.4	196
63	Selective capture of carbon dioxide under humid conditions by hydrophobic chabazite-type zeolitic imidazolate frameworks. <i>Angewandte Chemie - International Edition</i> , <b>2014</b> , 53, 10645-8	16.4	196

62	Layered rare-earth hydroxides: a class of pillared crystalline compounds for intercalation chemistry. <i>Angewandte Chemie - International Edition</i> , <b>2006</b> , 45, 7998-8001	16.4	178
61	Porous, conductive metal-triazolates and their structural elucidation by the charge-flipping method. <i>Chemistry - A European Journal</i> , <b>2012</b> , 18, 10595-601	4.8	172
60	An Indium Layered MOF as Recyclable Lewis Acid Catalyst. <i>Chemistry of Materials</i> , <b>2008</b> , 20, 72-76	9.6	170
59	Viologen-Based Conjugated Covalent Organic Networks via Zincke Reaction. <i>Journal of the American Chemical Society</i> , <b>2017</b> , 139, 9558-9565	16.4	140
58	A Rare-Earth MOF Series: Fascinating Structure, Efficient Light Emitters, and Promising Catalysts. <i>Crystal Growth and Design</i> , <b>2008</b> , 8, 378-380	3.5	140
57	Controlling the Structure of Arenedisulfonates toward Catalytically Active Materials. <i>Chemistry of Materials</i> , <b>2009</b> , 21, 655-661	9.6	134
56	A Synthetic Route for Crystals of Woven Structures, Uniform Nanocrystals, and Thin Films of Imine Covalent Organic Frameworks. <i>Journal of the American Chemical Society</i> , <b>2017</b> , 139, 13166-13172	16.4	131
55	Rare earth arenedisulfonate metal-organic frameworks: an approach toward polyhedral diversity and variety of functional compounds. <i>Inorganic Chemistry</i> , <b>2007</b> , 46, 3475-84	5.1	130
54	Metal-organic frameworks of vanadium as catalysts for conversion of methane to acetic acid. <i>Inorganic Chemistry</i> , <b>2011</b> , 50, 7388-90	5.1	129
53	New Metal-Organic Frameworks for Chemical Fixation of CO. <i>ACS Applied Materials &amp; Interfaces</i> , <b>2018</b> , 10, 733-744	9.5	127
52	Tunable catalytic activity of solid solution metal-organic frameworks in one-pot multicomponent reactions. <i>Journal of the American Chemical Society</i> , <b>2015</b> , 137, 6132-5	16.4	122
51	Reversible breaking and forming of metal-ligand coordination bonds: temperature-triggered single-crystal to single-crystal transformation in a metal-organic framework. <i>Chemistry - A European Journal</i> , <b>2009</b> , 15, 4896-905	4.8	107
50	Metal-organic frameworks incorporating copper-complexed rotaxanes. <i>Angewandte Chemie - International Edition</i> , <b>2012</b> , 51, 2160-3	16.4	92
49	A Mesoporous Indium Metal-Organic Framework: Remarkable Advances in Catalytic Activity for Strecker Reaction of Ketones. <i>Journal of the American Chemical Society</i> , <b>2016</b> , 138, 9089-92	16.4	85
48	Group 13th metal-organic frameworks and their role in heterogeneous catalysis. <i>Coordination Chemistry Reviews</i> , <b>2017</b> , 335, 1-27	23.2	69
47	A new scandium metal organic framework built up from octadecasil zeolitic cages as heterogeneous catalyst. <i>Chemical Communications</i> , <b>2009</b> , 2393-5	5.8	58
46	Isolated Hexanuclear Hydroxo Lanthanide Secondary Building Units in a Rare-Earth Polymeric Framework Based on p-Sulfonatocalix[4]arene. <i>Crystal Growth and Design</i> , <b>2010</b> , 10, 128-134	3.5	57
45	Three lanthanum MOF polymorphs: insights into kinetically and thermodynamically controlled phases. <i>Inorganic Chemistry</i> , <b>2009</b> , 48, 4707-13	5.1	53

44	Covalent organic nanosheets for bioimaging. <i>Chemical Science</i> , <b>2018</b> , 9, 8382-8387	9.4	50
43	2D and 3D supramolecular structures via hydrogen bonds and pi-stacking interactions in arylsulfonates of nickel and cobalt. <i>Inorganic Chemistry</i> , <b>2006</b> , 45, 9680-7	5.1	49
42	A Series of Metal-Organic Frameworks for Selective CO Capture and Catalytic Oxidative Carboxylation of Olefins. <i>Inorganic Chemistry</i> , <b>2018</b> , 57, 13772-13782	5.1	49
41	Crystallography of metal-organic frameworks. <i>IUCrJ</i> , <b>2014</b> , 1, 563-70	4.7	46
40	Purification of Uranium-based Endohedral Metallofullerenes (EMFs) by Selective Supramolecular Encapsulation and Release. <i>Angewandte Chemie - International Edition</i> , <b>2018</b> , 57, 11294-11299	16.4	45
39	In situ transformation of TON silica zeolite into the less dense ITW: structure-direction overcoming framework instability in the synthesis of SiO <sub>2</sub> zeolites. <i>Journal of the American Chemical Society</i> , <b>2010</b> , 132, 3461-71	16.4	45
38	Selective Capture of Carbon Dioxide under Humid Conditions by Hydrophobic Chabazite-Type Zeolitic Imidazolate Frameworks. <i>Angewandte Chemie</i> , <b>2014</b> , 126, 10821-10824	3.6	40
37	Single-Crystal-to-Single-Crystal Postsynthetic Modification of a Metal-Organic Framework via Ozonolysis. <i>Journal of the American Chemical Society</i> , <b>2018</b> , 140, 2028-2031	16.4	38
36	Covalent Organic Framework Embedded with Magnetic Nanoparticles for MRI and Chemo-Thermotherapy. <i>Journal of the American Chemical Society</i> , <b>2020</b> , 142, 18782-18794	16.4	37
35	Lanthanide, Y and Sc MOFs: where amazing crystal structures meet outstanding material properties. <i>CrystEngComm</i> , <b>2011</b> , 13, 5031	3.3	34
34	Fundamental Insights into Photoelectrocatalytic Hydrogen Production with a Hole-Transport Bismuth Metal-Organic Framework. <i>Journal of the American Chemical Society</i> , <b>2020</b> , 142, 318-326	16.4	34
33	Heterogeneity of functional groups in a metal-organic framework displays magic number ratios. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , <b>2015</b> , 112, 5591-6	11.5	32
32	Addressed realization of multication complex arrangements in metal-organic frameworks. <i>Science Advances</i> , <b>2017</b> , 3, e1700773	14.3	32
31	Ligand dependent topology changes in six zinc coordination polymers. <i>CrystEngComm</i> , <b>2010</b> , 12, 711-719	3.3	32
30	Stable organic radical stacked by in situ coordination to rare earth cations in MOF materials. <i>RSC Advances</i> , <b>2012</b> , 2, 949-955	3.7	29
29	Remarkably efficient removal of toxic bromate from drinking water with a porphyrin-viologen covalent organic framework. <i>Chemical Science</i> , <b>2019</b> , 11, 845-850	9.4	27
28	Synthesis of Polycarboxylate Rhodium(II) Metal-Organic Polyhedra (MOPs) and their use as Building Blocks for Highly Connected Metal-Organic Frameworks (MOFs). <i>Angewandte Chemie - International Edition</i> , <b>2021</b> , 60, 5729-5733	16.4	24
27	Two-dimensional hybrid germanium zeotype formed by selective coordination of the trans-1,2-diaminocyclohexane isomer to the ge atom: heterogeneous acid-base bifunctional catalyst. <i>Inorganic Chemistry</i> , <b>2008</b> , 47, 6791-5	5.1	22

26	Encoding Metal-Cation Arrangements in Metal-Organic Frameworks for Programming the Composition of Electrocatalytically Active Multimetal Oxides. <i>Journal of the American Chemical Society</i> , <b>2019</b> , 141, 1766-1774	16.4	22
25	Metal-Organic Frameworks Incorporating Copper-Complexed Rotaxanes. <i>Angewandte Chemie</i> , <b>2012</b> , 124, 2202-2205	3.6	21
24	A three-shell supramolecular complex enables the symmetry-mismatched chemo- and regioselective bis-functionalization of C. <i>Nature Chemistry</i> , <b>2021</b> , 13, 420-427	17.6	19
23	Taming the Topology of Calix[4]arene-Based 2D-Covalent Organic Frameworks: Interpenetrated vs Noninterpenetrated Frameworks and Their Selective Removal of Cationic Dyes. <i>Journal of the American Chemical Society</i> , <b>2021</b> , 143, 3407-3415	16.4	19
22	Metal-organic Frameworks Incorporating Multiple Metal Elements. <i>Israel Journal of Chemistry</i> , <b>2018</b> , 58, 1036-1043	3.4	17
21	Layered Rare-Earth Hydroxides: A Class of Pillared Crystalline Compounds for Intercalation Chemistry. <i>Angewandte Chemie</i> , <b>2006</b> , 118, 8166-8169	3.6	17
20	Synthesis and characterization of the platinum-substituted Keggin anion $\text{H}_2\text{SiPtW}_{11}\text{O}_{40}(4-)$ . <i>Inorganic Chemistry</i> , <b>2014</b> , 53, 13239-46	5.1	15
19	A polyrotaxanated covalent organic network based on viologen and cucurbit[7]uril. <i>Communications Chemistry</i> , <b>2019</b> , 2,	6.3	14
18	Sensing properties, energy transfer mechanism and tuneable particle size processing of luminescent two-dimensional rare earth coordination networks. <i>Journal of Materials Chemistry C</i> , <b>2017</b> , 5, 12409-12421	7.1	12
17	Anionic and neutral 2D indium metal-organic frameworks as catalysts for the Ugi one-pot multicomponent reaction. <i>Dalton Transactions</i> , <b>2019</b> , 48, 2988-2995	4.3	9
16	Crystal phase competition by addition of a second metal cation in solid solution metal-organic frameworks. <i>Dalton Transactions</i> , <b>2016</b> , 45, 4327-37	4.3	9
15	oral insulin delivery covalent organic frameworks. <i>Chemical Science</i> , <b>2021</b> , 12, 6037-6047	9.4	9
14	Hierarchically Porous Carbon Photonic Structures. <i>Advanced Functional Materials</i> , <b>2018</b> , 28, 1703885	15.6	8
13	Crystalline fibers of metal-peptide double ladders. <i>Inorganic Chemistry</i> , <b>2013</b> , 52, 13818-20	5.1	8
12	Angstrom-Resolved Metal-Organic Framework-Liquid Interfaces. <i>Scientific Reports</i> , <b>2017</b> , 7, 11088	4.9	7
11	Metallated Isoindigo-Porphyrin Covalent Organic Framework Photocatalyst with a Narrow Band Gap for Efficient CO Conversion.. <i>ACS Applied Materials &amp; Interfaces</i> , <b>2021</b> ,	9.5	7
10	Redox-Triggered Buoyancy and Size Modulation of a Dynamic Covalent Gel. <i>Chemistry of Materials</i> , <b>2019</b> , 31, 4148-4155	9.6	6
9	Bottle-around-a-ship confinement of high loadings of Acridine Orange in new aluminophosphate crystalline materials. <i>Journal of Materials Chemistry</i> , <b>2006</b> , 16, 1765-1771		5

8	Synthesis, structure and magnetic investigations of dinuclear lanthanide complexes based on 2-ethoxycinnamate. <i>Dalton Transactions</i> , <b>2018</b> , 47, 13647-13656	4.3	5
7	Heterogeneous catalysts with programmable topologies generated by reticulation of organocatalysts into metal-organic frameworks: The case of squaramide. <i>Nano Research</i> , <b>2021</b> , 14, 458-465	10	4
6	Highly efficient multi-metal catalysts for carbon dioxide reduction prepared from atomically sequenced metal organic frameworks. <i>Nano Research</i> , <b>2021</b> , 14, 493-500	10	4
5	2D-cadmium MOF and gismondine-like zinc coordination network based on the N-(2-tetrazolethyl)-4?-glycine linker. <i>New Journal of Chemistry</i> , <b>2015</b> , 39, 3982-3986	3.6	2
4	Synthesis of Polycarboxylate Rhodium(II) Metal-Organic Polyhedra (MOPs) and their use as Building Blocks for Highly Connected Metal-Organic Frameworks (MOFs). <i>Angewandte Chemie</i> , <b>2021</b> , 133, 5793-5797	3.6	2
3	Clip-off Chemistry: Synthesis by Programmed Disassembly of Reticular Materials*. <i>Angewandte Chemie - International Edition</i> , <b>2021</b> ,	16.4	1
2	Reaktitelbild: Selective Capture of Carbon Dioxide under Humid Conditions by Hydrophobic Chabazite-Type Zeolitic Imidazolate Frameworks (Angew. Chem. 40/2014). <i>Angewandte Chemie</i> , <b>2014</b> , 126, 11004-11004	3.6	
1	Structural Diversity of Lanthanide Chain Compounds Based on 3-Ethoxycinnamate: Influence on the Magnetic Properties. <i>Crystal Growth and Design</i> , <b>2021</b> , 21, 5072-5085	3.5	