

# Luis Garzon-Tovar

## List of Publications by Year in descending order

Source: <https://exaly.com/author-pdf/7301924/publications.pdf>

Version: 2024-02-01

25  
papers

1,129  
citations

471061

17  
h-index

642321

23  
g-index

25  
all docs

25  
docs citations

25  
times ranked

1532  
citing authors

#	ARTICLE	IF	CITATIONS
1	Unlocking mixed oxides with unprecedented stoichiometries from heterometallic metal-organic frameworks for the catalytic hydrogenation of CO <sub>2</sub> . Chem Catalysis, 2021, 1, 364-382.	2.9	18
2	An Efficient Metal-Organic Framework-Derived Nickel Catalyst for the Light Driven Methanation of CO <sub>2</sub> . Angewandte Chemie - International Edition, 2021, 60, 26476-26482.	7.2	45
3	An Efficient Metal-Organic Framework-Derived Nickel Catalyst for the Light Driven Methanation of CO <sub>2</sub> . Angewandte Chemie, 2021, 133, 26680-26686.	1.6	4
4	Toward Liquid Phase Processable Metal Organic Frameworks: Dream or Reality?. Accounts of Materials Research, 2021, 2, 1133-1140.	5.9	7
5	Frontispiz: An Efficient Metal-Organic Framework-Derived Nickel Catalyst for the Light Driven Methanation of CO <sub>2</sub> . Angewandte Chemie, 2021, 133, .	1.6	0
6	Frontispiece: An Efficient Metal-Organic Framework-Derived Nickel Catalyst for the Light Driven Methanation of CO <sub>2</sub> . Angewandte Chemie - International Edition, 2021, 60, .	7.2	0
7	Solution processable metal-organic frameworks for mixed matrix membranes using porous liquids. Nature Materials, 2020, 19, 1346-1353.	13.3	181
8	Bimetallic Metal-Organic Framework Mediated Synthesis of Ni-Co Catalysts for the Dry Reforming of Methane. Catalysts, 2020, 10, 592.	1.6	18
9	Spray-Drying Synthesis of MOFs, COFs, and Related Composites. Accounts of Chemical Research, 2020, 53, 1206-1217.	7.6	87
10	MOF-Beads Containing Inorganic Nanoparticles for the Simultaneous Removal of Multiple Heavy Metals from Water. ACS Applied Materials & Interfaces, 2020, 12, 10554-10562.	4.0	89
11	A MOF@COF Composite with Enhanced Uptake through Interfacial Pore Generation. Angewandte Chemie - International Edition, 2019, 58, 9512-9516.	7.2	79
12	A MOF@COF Composite with Enhanced Uptake through Interfacial Pore Generation. Angewandte Chemie, 2019, 131, 9612-9616.	1.6	36
13	Photothermal Activation of Metal-Organic Frameworks Using a UV-Vis Light Source. ACS Applied Materials & Interfaces, 2018, 10, 9555-9562.	4.0	82
14	The photothermal effect in MOFs: covalent post-synthetic modification of MOFs mediated by UV-Vis light under solvent-free conditions. Chemical Communications, 2018, 54, 4184-4187.	2.2	27
15	Core-shell Au/CeO <sub>2</sub> nanoparticles supported in UiO-66 beads exhibiting full CO conversion at 100 °C. Journal of Materials Chemistry A, 2017, 5, 13966-13970.	5.2	24
16	Composite Salt in Porous Metal-Organic Frameworks for Adsorption Heat Transformation. Advanced Functional Materials, 2017, 27, 1606424.	7.8	95
17	Continuous One-Step Synthesis of Porous M <sub>6</sub> -Based Metal-Organic and Hydrogen-Bonded Frameworks. Chemistry - A European Journal, 2017, 23, 6829-6835.	1.7	28
18	Spray Drying for Making Covalent Chemistry: Postsynthetic Modification of Metal-Organic Frameworks. Journal of the American Chemical Society, 2017, 139, 897-903.	6.6	104

#	ARTICLE	IF	CITATIONS
19	Spray drying for making covalent chemistry II: synthesis of covalent-organic framework superstructures and related composites. <i>Chemical Communications</i> , 2017, 53, 11372-11375.	2.2	15
20	A spray-drying continuous-flow method for simultaneous synthesis and shaping of microspherical high nuclearity MOF beads. <i>Reaction Chemistry and Engineering</i> , 2016, 1, 533-539.	1.9	79
21	Reactions and products revealed by NMR spectra of deuterated dimethylsulfoxide with iodomethane in neutral and basic media. <i>Journal of Sulfur Chemistry</i> , 2015, 36, 535-543.	1.0	6
22	Optimised room temperature, water-based synthesis of CPO-27-M metal-organic frameworks with high space-time yields. <i>Journal of Materials Chemistry A</i> , 2015, 3, 20819-20826.	5.2	74
23	Non-classical hydrogen bond (CH <sup>TM</sup> â <sup>TM</sup> â <sup>TM</sup> ) directed self-assembly formation of a novel 1D supramolecular polymer, based on a copper complex [Cu{(CH <sub>3</sub> ) <sub>2</sub> SO} <sub>6</sub> ] <sub>4</sub> . <i>Inorganic Chemistry Communication</i> , 2013, 32, 64-67.	1.8	21
24	Hexakis(dimethyl sulfoxide- <sup>18</sup> O)zinc(II) polyiodide. <i>Acta Crystallographica Section E: Structure Reports Online</i> , 2013, 69, m618-m618.	0.2	1
25	Synthesis and structure of [Na <sub>4</sub> (DMSO) <sub>15</sub> ][(I <sub>3</sub> ) <sub>3</sub> (I)]. Self-assembly of hexacoordinated sodium. <i>Chemical Communications</i> , 2011, 47, 7110.	2.2	9