

Luis Garzon-Tovar

List of Publications by Year in descending order

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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	Solution processable metal-organic frameworks for mixed matrix membranes using porous liquids. <i>Nature Materials</i> , 2020, 19, 1346-1353.	13.3	181
2	Spray Drying for Making Covalent Chemistry: Postsynthetic Modification of Metal-Organic Frameworks. <i>Journal of the American Chemical Society</i> , 2017, 139, 897-903.	6.6	104
3	Composite Salt in Porous Metal-Organic Frameworks for Adsorption Heat Transformation. <i>Advanced Functional Materials</i> , 2017, 27, 1606424.	7.8	95
4	MOF-Beads Containing Inorganic Nanoparticles for the Simultaneous Removal of Multiple Heavy Metals from Water. <i>ACS Applied Materials & Interfaces</i> , 2020, 12, 10554-10562.	4.0	89
5	Spray-Drying Synthesis of MOFs, COFs, and Related Composites. <i>Accounts of Chemical Research</i> , 2020, 53, 1206-1217.	7.6	87
6	Photothermal Activation of Metal-Organic Frameworks Using a UV-Vis Light Source. <i>ACS Applied Materials & Interfaces</i> , 2018, 10, 9555-9562.	4.0	82
7	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
8	A MOF@COF Composite with Enhanced Uptake through Interfacial Pore Generation. <i>Angewandte Chemie - International Edition</i> , 2019, 58, 9512-9516.	7.2	79
9	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
10	An Efficient Metal-Organic Framework-Derived Nickel Catalyst for the Light Driven Methanation of CO ₂ . <i>Angewandte Chemie - International Edition</i> , 2021, 60, 26476-26482.	7.2	45
11	A MOF@COF Composite with Enhanced Uptake through Interfacial Pore Generation. <i>Angewandte Chemie</i> , 2019, 131, 9612-9616.	1.6	36
12	Continuous One-Step Synthesis of Porous MXF ₆ -Based Metal-Organic and Hydrogen-Bonded Frameworks. <i>Chemistry - A European Journal</i> , 2017, 23, 6829-6835.	1.7	28
13	The photothermal effect in MOFs: covalent post-synthetic modification of MOFs mediated by UV-Vis light under solvent-free conditions. <i>Chemical Communications</i> , 2018, 54, 4184-4187.	2.2	27
14	Core-shell Au/CeO ₂ nanoparticles supported in UiO-66 beads exhibiting full CO conversion at 100 °C. <i>Journal of Materials Chemistry A</i> , 2017, 5, 13966-13970.	5.2	24
15	Non-classical hydrogen bond (CH TM â™™â™™) directed self-assembly formation of a novel 1D supramolecular polymer, based on a copper complex [Cu{(CH ₃) ₂ SO} ₆] ₄ . <i>Inorganic Chemistry Communication</i> , 2013, 32, 64-67.	1.8	21
16	Bimetallic Metal-Organic Framework Mediated Synthesis of Ni-Co Catalysts for the Dry Reforming of Methane. <i>Catalysts</i> , 2020, 10, 592.	1.6	18
17	Unlocking mixed oxides with unprecedented stoichiometries from heterometallic metal-organic frameworks for the catalytic hydrogenation of CO ₂ . <i>Chem Catalysis</i> , 2021, 1, 364-382.	2.9	18
18	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

#	ARTICLE	IF	CITATIONS
19	Synthesis and structure of [Na ₄ (DMSO) ₁₅][(I) ₃]. Self-assembly of hexacoordinated sodium. Chemical Communications, 2011, 47, 7110.	2.2	9
20	Toward Liquid Phase Processable Metal Organic Frameworks: Dream or Reality?. Accounts of Materials Research, 2021, 2, 1133-1140.	5.9	7
21	Reactions and products revealed by NMR spectra of deuterated dimethylsulfoxide with iodomethane in neutral and basic media. Journal of Sulfur Chemistry, 2015, 36, 535-543.	1.0	6
22	An Efficient Metal-Organic Framework-Derived Nickel Catalyst for the Light Driven Methanation of CO ₂ . Angewandte Chemie, 2021, 133, 26680-26686.	1.6	4
23	Hexakis(dimethyl sulfoxide- \hat{O})zinc(II) polyiodide. Acta Crystallographica Section E: Structure Reports Online, 2013, 69, m618-m618.	0.2	1
24	Frontispiz: An Efficient Metal-Organic Framework-Derived Nickel Catalyst for the Light Driven Methanation of CO ₂ . Angewandte Chemie, 2021, 133, .	1.6	0
25	Frontispiece: An Efficient Metal-Organic Framework-Derived Nickel Catalyst for the Light Driven Methanation of CO ₂ . Angewandte Chemie - International Edition, 2021, 60, .	7.2	0