Gunniya Hariyanandam Gunasekar

List of Publications by Year
in descending order

18	898	567281 15	888059 17
papers	citations	h-index	g-index

19	19	19	868
all docs	docs citations	times ranked	citing authors

#	Article	IF	Citations
1	Recent developments in the catalytic hydrogenation of CO₂ to formic acid/formate using heterogeneous catalysts. Inorganic Chemistry Frontiers, 2016, 3, 882-895.	6.0	173
2	A Covalent Triazine Framework, Functionalized with Ir/N-Heterocyclic Carbene Sites, for the Efficient Hydrogenation of CO₂ to Formate. Chemistry of Materials, 2017, 29, 6740-6748.	6.7	116
3	A Highly Efficient Heterogenized Iridium Complex for the Catalytic Hydrogenation of Carbon Dioxide to Formate. ChemSusChem, 2015, 8, 3410-3413.	6.8	99
4	Design Strategy toward Recyclable and Highly Efficient Heterogeneous Catalysts for the Hydrogenation of CO₂to Formate. ACS Catalysis, 2018, 8, 4346-4353.	11.2	89
5	CO₂ hydrogenation to formic acid over heterogenized ruthenium catalysts using a fixed bed reactor with separation units. Green Chemistry, 2020, 22, 1639-1649.	9.0	70
6	Hydrogenation of CO₂ to Formate using a Simple, Recyclable, and Efficient Heterogeneous Catalyst. Inorganic Chemistry, 2019, 58, 3717-3723.	4.0	66
7	A phenanthroline-based porous organic polymer for the iridium-catalyzed hydrogenation of carbon dioxide to formate. Journal of Materials Chemistry A, 2019, 7, 14019-14026.	10.3	48
8	Hierarchical Cu nanoparticle-aggregated cages with high catalytic activity for reduction of 4-nitrophenol and carbon dioxide. Materials Research Bulletin, 2018, 100, 184-190.	5.2	40
9	Hydrogenation of CO2 to formates on ruthenium(III) coordinated on melamine polymer network. Journal of CO2 Utilization, 2020, 35, 245-255.	6.8	33
10	Dehydrogenation of formic acid using molecular Rh and Ir catalysts immobilized on bipyridine-based covalent triazine frameworks. Sustainable Energy and Fuels, 2019, 3, 1042-1047.	4.9	29
11	A heterogenized cobaltate catalyst on a bis-imidazolium-based covalent triazine framework for hydroesterification of epoxides. New Journal of Chemistry, 2018, 42, 12256-12262.	2.8	27
12	Molecular Rh(III) and Ir(III) Catalysts Immobilized on Bipyridine-Based Covalent Triazine Frameworks for the Hydrogenation of CO2 to Formate. Catalysts, 2018, 8, 295.	3.5	26
13	Recyclable Covalent Triazine Framework-based Ru Catalyst for Transfer Hydrogenation of Carbonyl Compounds in Water. ACS Sustainable Chemistry and Engineering, 2019, 7, 8893-8899.	6.7	25
14	Catalytic reactivity of an iridium complex with a proton responsive N-donor ligand in CO₂hydrogenation to formate. RSC Advances, 2018, 8, 1346-1350.	3.6	21
15	Direct Heterogenization of the Ru-Macho Catalyst for the Chemoselective Hydrogenation of Î±,Î²-Unsaturated Carbonyl Compounds. Inorganic Chemistry, 2021, 60, 6881-6888.	4.0	18
16	An Efficient and Practical System for the Synthesis of N,Nâ€Dimethylformamide by CO₂ Hydrogenation using a Heterogeneous Ru Catalyst: From Batch to Continuous Flow. ChemSusChem, 2020, 13, 1735-1739.	6.8	16
17	Eco-friendly upconversion of limestone into value-added calcium formate. Green Chemistry, 2020, 22, 4995-5001.	9.0	1
18	New aspects of covalent triazine frameworks in heterogeneous catalysis. , 2021, , 1-32.		1