

# Gunniya Hariyanandam Gunasekar

## List of Publications by Year in descending order

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19  
docs citations

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times ranked

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citing authors

#	ARTICLE	IF	CITATIONS
1	New aspects of covalent triazine frameworks in heterogeneous catalysis. , 2021, , 1-32.		1
2	Direct Heterogenization of the Ru-Macho Catalyst for the Chemoselective Hydrogenation of $\alpha,\beta$ -Unsaturated Carbonyl Compounds. Inorganic Chemistry, 2021, 60, 6881-6888.	4.0	18
3	Hydrogenation of CO <sub>2</sub> to formates on ruthenium(III) coordinated on melamine polymer network. Journal of CO <sub>2</sub> Utilization, 2020, 35, 245-255.	6.8	33
4	Eco-friendly upconversion of limestone into value-added calcium formate. Green Chemistry, 2020, 22, 4995-5001.	9.0	1
5	An Efficient and Practical System for the Synthesis of <i>N,N</i> -Dimethylformamide by CO <sub>2</sub> Hydrogenation using a Heterogeneous Ru Catalyst: From Batch to Continuous Flow. ChemSusChem, 2020, 13, 1735-1739.	6.8	16
6	CO <sub>2</sub> 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
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	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
9	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
10	Hydrogenation of CO <sub>2</sub> to Formate using a Simple, Recyclable, and Efficient Heterogeneous Catalyst. Inorganic Chemistry, 2019, 58, 3717-3723.	4.0	66
11	Design Strategy toward Recyclable and Highly Efficient Heterogeneous Catalysts for the Hydrogenation of CO <sub>2</sub> to Formate. ACS Catalysis, 2018, 8, 4346-4353.	11.2	89
12	Catalytic reactivity of an iridium complex with a proton responsive N-donor ligand in CO <sub>2</sub> hydrogenation to formate. RSC Advances, 2018, 8, 1346-1350.	3.6	21
13	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
14	Molecular Rh(III) and Ir(III) Catalysts Immobilized on Bipyridine-Based Covalent Triazine Frameworks for the Hydrogenation of CO <sub>2</sub> to Formate. Catalysts, 2018, 8, 295.	3.5	26
15	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
16	A Covalent Triazine Framework, Functionalized with Ir/N-Heterocyclic Carbene Sites, for the Efficient Hydrogenation of CO <sub>2</sub> to Formate. Chemistry of Materials, 2017, 29, 6740-6748.	6.7	116
17	Recent developments in the catalytic hydrogenation of CO <sub>2</sub> to formic acid/formate using heterogeneous catalysts. Inorganic Chemistry Frontiers, 2016, 3, 882-895.	6.0	173
18	A Highly Efficient Heterogenized Iridium Complex for the Catalytic Hydrogenation of Carbon Dioxide to Formate. ChemSusChem, 2015, 8, 3410-3413.	6.8	99