Nagaraja Bhari Mallanna

List of Publications by Year
in descending order

30 papers	1,095 citations	361413 20 h-index	434195 31 g-index
32 all docs	32 docs citations	32 times ranked	1425 citing authors

#	Article	IF	Citations
1	Paving way for sustainable earth-abundant metal based catalysts for chemical fixation of CO₂ into epoxides for cyclic carbonate formation. Catalysis Reviews - Science and Engineering, 2022, 64, 356-443.	12.9	43
2	Selective vapour-phase dehydrocyclization of biomass-derived 1,4-butanediol to Î³-butyrolactone over Cu/ZnAl2O4-CeO2 catalyst. Journal of Industrial and Engineering Chemistry, 2022, 106, 142-151.	5.8	10
3	Recent developments in state-of-the-art silica-modified catalysts for the fixation of CO₂ in epoxides to form organic carbonates. Sustainable Energy and Fuels, 2022, 6, 1198-1248.	4.9	22
4	Exploring the confined space and active sites of Ni@OCNTs catalyst for chemoselective hydrogenation of cinnamaldehyde to hydrocinnamaldehyde. Journal of Environmental Chemical Engineering, 2022, 10, 108208.	6.7	5
5	Basicity controlled MgCo2O4 nanostructures as catalyst for viable fixation of CO2 into epoxides at atmospheric pressure. Chemical Engineering Journal, 2021, 405, 126907.	12.7	31
6	Engineered nano-foam of tri-metallic (FeCuCo) oxide catalyst for enhanced hydrogen generation via NaBH4 hydrolysis. Chemosphere, 2021, 281, 130988.	8.2	29
7	Chemoselective hydrogenation of cinnamaldehyde over a tailored oxygen-vacancy-rich Pd@ZrO₂ catalyst. New Journal of Chemistry, 2021, 45, 5659-5681.	2.8	16
8	Sustainable Hydrogen Generation by Catalytic Hydrolysis of NaBH4 Using Tailored Nanostructured Urchin-like CuCo2O4 Spinel Catalyst. Catalysis Letters, 2020, 150, 586-604.	2.6	33
9	Simultaneous dehydrogenation of 1,4- butanediol to Î³-butyrolactone and hydrogenation of benzaldehyde to benzyl alcohol mediated over competent CeO2â€“Al2O3 supported Cu as catalyst. International Journal of Hydrogen Energy, 2020, 45, 12874-12888.	7.1	18
10	Tailoring the catalytic activity of basic mesoporous Cu/CeO2 catalyst by Al2O3 for selective lactonization and dehydrogenation of 1,4-butanediol to Î³-butyrolactone. Catalysis Communications, 2020, 143, 106049.	3.3	16
11	The selectively regulated vapour phase dehydrogenation of 1,4-butanediol to Î³-butyrolactone employing a copper-based ceria catalyst. New Journal of Chemistry, 2019, 43, 11968-11983.	2.8	21
12	Highly efficient hydrogen production by hydrolysis of NaBH4 using eminently competent recyclable Fe2O3 decorated oxidized MWCNTs robust catalyst. Applied Surface Science, 2019, 489, 538-551.	6.1	65
13	Sulfonic acid functionalized PVA/PVDF composite hollow microcapsules: Highly phenomenal & recyclable catalysts for sustainable hydrogen production. Applied Surface Science, 2019, 488, 714-727.	6.1	18
14	Tailoring and exploring the basicity of magnesium oxide nanostructures in ionic liquids for Claisen-Schmidt condensation reaction. Energy, 2018, 160, 635-647.	8.8	24
15	In Situ Generation of Cu0 Supported on TiO2 Aerogel as a Catalyst for the Vapour Phase Hydrogenation of Nitrobenzene to Aniline. Catalysis Letters, 2018, 148, 2891-2900.	2.6	5
16	Development of stable MoO 3 /TiO 2 -Al 2 O 3 catalyst for oxidative dehydrogenation of ethylbenzene to styrene using CO 2 as soft oxidant. Journal of CO2 Utilization, 2017, 18, 309-317.	6.8	37
17	Vapor-phase dehydrogenation of ethylbenzene to styrene over a V₂O₅/TiO₂â€“Al₂O₃ catalyst with CO₂. New Journal of Chemistry, 2017, 41, 4173-4181.	2.8	21
18	Effect of potassium addition on bimetallic PtSn/Î¸-Al2O3 catalyst for dehydrogenation of propane to propylene. Research on Chemical Intermediates, 2016, 42, 123-140.	2.7	19

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19	Recent progress in the drug development of coumarin derivatives asÂpotent antituberculosis agents. European Journal of Medicinal Chemistry, 2015, 100, 257-269.	5.5	193
20	Recent Progress on Pyrazole Scaffoldâ€Based Antimycobacterial Agents. Archiv Der Pharmazie, 2015, 348, 299-314.	4.1	73
21	Activity studies of vanadium, iron, carbon and mixed oxides based catalysts for the oxidative dehydrogenation of ethylbenzene to styrene: a review. Catalysis Science and Technology, 2015, 5, 5062-5076.	4.1	43
22	Dehydrogenation of alkane to light olefin over PtSn/Î¸-Al2O3 catalyst: Effects of Sn loading. Catalysis Today, 2014, 232, 53-62.	4.4	59
23	Effect of potassium addition on bimetallic PtSn supported Î¸-Al2O3 catalyst for n-butane dehydrogenation to olefins. Catalysis Today, 2014, 232, 40-52.	4.4	31
24	Selective and stable bimetallic PtSn/Î¸-Al2O3 catalyst for dehydrogenation of n-butane to n-butenes. Applied Catalysis A: General, 2013, 467, 211-223.	4.3	48
25	Potassium-Doped Niâ€“MgOâ€“ZrO2 Catalysts for Dry Reforming of Methane to Synthesis Gas. Topics in Catalysis, 2013, 56, 1686-1694.	2.8	10
26	The effect of potassium on the activity and stability of Niâ€“MgOâ€“ZrO2 catalysts for the dry reforming of methane to give synthesis gas. Catalysis Today, 2011, 178, 132-136.	4.4	59
27	Production of hydrogen through the coupling of dehydrogenation and hydrogenation for the synthesis of cyclohexanone and furfuryl alcohol over different promoters supported on Cuâ€“MgO catalysts. International Journal of Hydrogen Energy, 2011, 36, 3417-3425.	7.1	60
28	Synthesis of Cu/Fe/Ti/Al2O3 Composite Granules for SO3 Decomposition in SI Cycle. Catalysis Letters, 2009, 128, 248-252.	2.6	10
29	Catalytic Decomposition of SO₃ over Pt/BaSO₄ Materials in Sulfurâ^'Iodine Cycle for Hydrogen Production. Industrial & Engineering Chemistry Research, 2009, 48, 1451-1457.	3.7	37
30	Preparation of mesostructured barium sulfate with high surface area by dispersion method and its characterization. Journal of Colloid and Interface Science, 2007, 316, 645-651.	9.4	38