

Nagaraja Bhari Mallanna

List of Publications by Year in descending order

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Version: 2024-02-01

30
papers

1,095
citations

361413

20
h-index

434195

31
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32
all docs

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docs citations

32
times ranked

1425
citing authors

| # | ARTICLE | IF | CITATIONS |
|----|---|------|-----------|
| 1 | Recent progress in the drug development of coumarin derivatives as potent antituberculosis agents. <i>European Journal of Medicinal Chemistry</i> , 2015, 100, 257-269. | 5.5 | 193 |
| 2 | Recent Progress on Pyrazole Scaffold-Based Antimycobacterial Agents. <i>Archiv Der Pharmazie</i> , 2015, 348, 299-314. | 4.1 | 73 |
| 3 | Highly efficient hydrogen production by hydrolysis of NaBH ₄ using eminently competent recyclable Fe ₂ O ₃ decorated oxidized MWCNTs robust catalyst. <i>Applied Surface Science</i> , 2019, 489, 538-551. | 6.1 | 65 |
| 4 | Production of hydrogen through the coupling of dehydrogenation and hydrogenation for the synthesis of cyclohexanone and furfuryl alcohol over different promoters supported on Cu-MgO catalysts. <i>International Journal of Hydrogen Energy</i> , 2011, 36, 3417-3425. | 7.1 | 60 |
| 5 | The effect of potassium on the activity and stability of Ni-MgO-ZrO ₂ catalysts for the dry reforming of methane to give synthesis gas. <i>Catalysis Today</i> , 2011, 178, 132-136. | 4.4 | 59 |
| 6 | Dehydrogenation of alkane to light olefin over PtSn/Al ₂ O ₃ catalyst: Effects of Sn loading. <i>Catalysis Today</i> , 2014, 232, 53-62. | 4.4 | 59 |
| 7 | Selective and stable bimetallic PtSn/Al ₂ O ₃ catalyst for dehydrogenation of n-butane to n-butenes. <i>Applied Catalysis A: General</i> , 2013, 467, 211-223. | 4.3 | 48 |
| 8 | Activity studies of vanadium, iron, carbon and mixed oxides based catalysts for the oxidative dehydrogenation of ethylbenzene to styrene: a review. <i>Catalysis Science and Technology</i> , 2015, 5, 5062-5076. | 4.1 | 43 |
| 9 | Paving way for sustainable earth-abundant metal based catalysts for chemical fixation of CO ₂ into epoxides for cyclic carbonate formation. <i>Catalysis Reviews - Science and Engineering</i> , 2022, 64, 356-443. | 12.9 | 43 |
| 10 | Preparation of mesostructured barium sulfate with high surface area by dispersion method and its characterization. <i>Journal of Colloid and Interface Science</i> , 2007, 316, 645-651. | 9.4 | 38 |
| 11 | Catalytic Decomposition of SO ₃ over Pt/BaSO ₄ Materials in Sulfur-Iodine Cycle for Hydrogen Production. <i>Industrial & Engineering Chemistry Research</i> , 2009, 48, 1451-1457. | 3.7 | 37 |
| 12 | 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. <i>Journal of CO₂ Utilization</i> , 2017, 18, 309-317. | 6.8 | 37 |
| 13 | Sustainable Hydrogen Generation by Catalytic Hydrolysis of NaBH ₄ Using Tailored Nanostructured Urchin-like CuCo ₂ O ₄ Spinel Catalyst. <i>Catalysis Letters</i> , 2020, 150, 586-604. | 2.6 | 33 |
| 14 | Effect of potassium addition on bimetallic PtSn supported Al ₂ O ₃ catalyst for n-butane dehydrogenation to olefins. <i>Catalysis Today</i> , 2014, 232, 40-52. | 4.4 | 31 |
| 15 | Basicity controlled MgCo ₂ O ₄ nanostructures as catalyst for viable fixation of CO ₂ into epoxides at atmospheric pressure. <i>Chemical Engineering Journal</i> , 2021, 405, 126907. | 12.7 | 31 |
| 16 | Engineered nano-foam of tri-metallic (FeCuCo) oxide catalyst for enhanced hydrogen generation via NaBH ₄ hydrolysis. <i>Chemosphere</i> , 2021, 281, 130988. | 8.2 | 29 |
| 17 | Tailoring and exploring the basicity of magnesium oxide nanostructures in ionic liquids for Claisen-Schmidt condensation reaction. <i>Energy</i> , 2018, 160, 635-647. | 8.8 | 24 |
| 18 | Recent developments in state-of-the-art silica-modified catalysts for the fixation of CO ₂ into epoxides to form organic carbonates. <i>Sustainable Energy and Fuels</i> , 2022, 6, 1198-1248. | 4.9 | 22 |

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|----|--|-----|-----------|
| 19 | Vapor-phase dehydrogenation of ethylbenzene to styrene over a $V_2O_5/TiO_2 \cdot Al_2O_3$ catalyst with CO_2 . New Journal of Chemistry, 2017, 41, 4173-4181. | 2.8 | 21 |
| 20 | The selectively regulated vapour phase dehydrogenation of 1,4-butanediol to \hat{I}^3 -butyrolactone employing a copper-based ceria catalyst. New Journal of Chemistry, 2019, 43, 11968-11983. | 2.8 | 21 |
| 21 | Effect of potassium addition on bimetallic PtSn/ \hat{I} , Al_2O_3 catalyst for dehydrogenation of propane to propylene. Research on Chemical Intermediates, 2016, 42, 123-140. | 2.7 | 19 |
| 22 | 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 |
| 23 | Simultaneous dehydrogenation of 1,4- butanediol to \hat{I}^3 -butyrolactone and hydrogenation of benzaldehyde to benzyl alcohol mediated over competent $CeO_2 \cdot Al_2O_3$ supported Cu as catalyst. International Journal of Hydrogen Energy, 2020, 45, 12874-12888. | 7.1 | 18 |
| 24 | Chemoselective hydrogenation of cinnamaldehyde over a tailored oxygen-vacancy-rich $Pd@ZrO_2$ catalyst. New Journal of Chemistry, 2021, 45, 5659-5681. | 2.8 | 16 |
| 25 | Tailoring the catalytic activity of basic mesoporous Cu/CeO ₂ catalyst by Al_2O_3 for selective lactonization and dehydrogenation of 1,4-butanediol to \hat{I}^3 -butyrolactone. Catalysis Communications, 2020, 143, 106049. | 3.3 | 16 |
| 26 | Synthesis of Cu/Fe/Ti/ Al_2O_3 Composite Granules for SO_3 Decomposition in SI Cycle. Catalysis Letters, 2009, 128, 248-252. | 2.6 | 10 |
| 27 | Potassium-Doped $Ni \cdot MgO \cdot ZrO_2$ Catalysts for Dry Reforming of Methane to Synthesis Gas. Topics in Catalysis, 2013, 56, 1686-1694. | 2.8 | 10 |
| 28 | Selective vapour-phase dehydrocyclization of biomass-derived 1,4-butanediol to \hat{I}^3 -butyrolactone over $Cu/ZnAl_2O_4 \cdot CeO_2$ catalyst. Journal of Industrial and Engineering Chemistry, 2022, 106, 142-151. | 5.8 | 10 |
| 29 | In Situ Generation of CuO Supported on TiO_2 Aerogel as a Catalyst for the Vapour Phase Hydrogenation of Nitrobenzene to Aniline. Catalysis Letters, 2018, 148, 2891-2900. | 2.6 | 5 |
| 30 | 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 |