

Anand Narani

List of Publications by Year in descending order

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#	ARTICLE	IF	CITATIONS
1	Phenolic acetals from lignins of varying compositions via iron(ⁱⁱⁱ) triflate catalysed depolymerisation. <i>Green Chemistry</i> , 2017, 19, 2774-2782.	9.0	136
2	Efficient catalytic hydrotreatment of Kraft lignin to alkylphenolics using supported NiW and NiMo catalysts in supercritical methanol. <i>Green Chemistry</i> , 2015, 17, 5046-5057.	9.0	106
3	Commercial Pd/C-Catalyzed <i>N</i> -Methylation of Nitroarenes and Amines Using Methanol as Both C1 and H ₂ Source. <i>Journal of Organic Chemistry</i> , 2019, 84, 15389-15398.	3.2	67
4	Biocarbon Supported Nanoscale Ruthenium Oxide-Based Catalyst for Clean Hydrogenation of Arenes and Heteroarenes. <i>ACS Sustainable Chemistry and Engineering</i> , 2020, 8, 15740-15754.	6.7	44
5	Molybdenum-catalyzed oxidative depolymerization of alkali lignin: Selective production of Vanillin. <i>Applied Catalysis A: General</i> , 2020, 598, 117567.	4.3	43
6	Synthesis of Functional Chemicals from Lignin-derived Monomers by Selective Organic Transformations. <i>Advanced Synthesis and Catalysis</i> , 2020, 362, 5143-5169.	4.3	42
7	Simple RuCl ₃ -catalyzed <i>N</i> -Methylation of Amines and Transfer Hydrogenation of Nitroarenes using Methanol. <i>ChemCatChem</i> , 2021, 13, 1722-1729.	3.7	41
8	Cu(ⁱⁱ) complex heterogenized on SBA-15: a highly efficient and additive-free solid catalyst for the homocoupling of alkynes. <i>RSC Advances</i> , 2014, 4, 3718-3725.	3.6	39
9	Carbon-Supported Cobalt Nanoparticles as Catalysts for the Selective Hydrogenation of Nitroarenes to Arylamines and Pharmaceuticals. <i>ACS Applied Nano Materials</i> , 2020, 3, 11070-11079.	5.0	38
10	Selective benzylic oxidation of alkylaromatics over Cu/SBA-15 catalysts under solvent-free conditions. <i>Catalysis Communications</i> , 2013, 39, 5-9.	3.3	33
11	Dissolving Lignin in Water through Enzymatic Sulfation with Aryl Sulfotransferase. <i>ChemSusChem</i> , 2017, 10, 2267-2273.	6.8	17
12	One-pot synthesis of ethylbenzene/1-phenylethanol and β -butyrolactone from simultaneous acetophenone hydrogenation and 1,4-butanediol dehydrogenation over copper based catalysts: effects of the support. <i>RSC Advances</i> , 2017, 7, 35346-35356.	3.6	17
13	Recent developments in reductive N-methylation with base-metal catalysts. <i>Tetrahedron</i> , 2021, 98, 132414.	1.9	16
14	Lignin Depolymerisation and Lignocellulose Fractionation by Solvated Electrons in Liquid Ammonia. <i>ChemSusChem</i> , 2017, 10, 1022-1032.	6.8	15
15	Coupling of 1,4-Butanediol Dehydrogenation with Nitrobenzene Hydrogenation for Simultaneous Synthesis of β -Butyrolactone and Aniline over Promoted Cu-MgO Catalysts: Effect of Promoters. <i>Catalysis Letters</i> , 2017, 147, 90-101.	2.6	14
16	Biorenewable carbon-supported Ru catalyst for <i>N</i> -alkylation of amines with alcohols and selective hydrogenation of nitroarenes. <i>New Journal of Chemistry</i> , 2021, 45, 14687-14694.	2.8	13
17	Lignin Residue-Derived Carbon-Supported Nanoscale Iron Catalyst for the Selective Hydrogenation of Nitroarenes and Aromatic Aldehydes. <i>ACS Omega</i> , 2022, 7, 19804-19815.	3.5	11
18	Value addition of lignin to zingerone using recyclable AlPO ₄ and Ni/LRC catalysts. <i>Chemical Engineering Journal</i> , 2022, 431, 134130.	12.7	10

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19	Exploring the flexibility of cellulase cocktail obtained from mutant UV-8 of <i>Talaromyces verruculosus</i> IPC 324 in depolymerising multiple agro-industrial lignocellulosic feedstocks. <i>International Journal of Biological Macromolecules</i> , 2020, 154, 538-544.	7.5	9
20	Recent Trends in Upgrading of CO ₂ as a C1 Reactant in <i>N</i> - and <i>C</i> -Methylation Reactions. <i>Asian Journal of Organic Chemistry</i> , 2022, 11, .	2.7	7
21	Pd-Nanoparticles immobilized organo-functionalized SBA-15: An efficient heterogeneous catalyst for selective hydrogenation of C=C double bonds of 1,2-unsaturated carbonyl compounds. <i>Molecular Catalysis</i> , 2020, 497, 111200.	2.0	6
22	Biomass waste rice husk derived silica supported palladium nanoparticles: an efficient catalyst for Suzuki-Miyaura and Heck-Mizoroki cross-coupling reactions. <i>SN Applied Sciences</i> , 2020, 2, 1.	2.9	3
23	Thermochemical methods for upgrading of lignin to aromatic chemicals. , 2022, , 499-533.		1