

Lakshmi Kantam Mannepalli

List of Publications by Year in descending order

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67
papers

2,120
citations

186265

28
h-index

243625

44
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70
all docs

70
docs citations

70
times ranked

2663
citing authors

#	ARTICLE	IF	CITATIONS
1	W/HAP catalysed N-oxidation of tertiary amines with H ₂ O ₂ as an oxidant. Journal of Chemical Sciences, 2022, 134, 50.	1.5	4
2	Kinetics of Henry reaction catalyzed by fluorapatite. Chemical Engineering Research and Design, 2022, 181, 101-109.	5.6	5
3	Ultrafine Copper Oxide Particles Dispersed on Nitrogen-Doped Hollow Carbon Nanospheres for Oxidative Esterification of Biomass-Derived 5-Hydroxymethylfurfural. ChemPlusChem, 2021, 86, 259-269.	2.8	9
4	Finely dispersed CuO on nitrogen-doped carbon hollow nanospheres for selective oxidation of sp ³ C-H bonds. New Journal of Chemistry, 2021, 45, 16179-16186.	2.8	2
5	Transition Metal Exchanged Hydroxyapatite/Fluorapatite Catalysts for C-C and C-N Bond Forming Reactions. Chemical Record, 2021, 21, 1398-1416.	5.8	3
6	Hydrogenation of Furfural to Furfuryl Alcohol over Nickel Supported Bentonite Catalyst. ChemistrySelect, 2021, 6, 6601-6606.	1.5	12
7	Copper supported Mg Al hydrotalcite derived oxide catalyst for enol carbamates synthesis via C-H bond activation of formamides. Catalysis Communications, 2020, 147, 106150.	3.3	4
8	Copper-catalyzed oxidative methyl-esterification of 5-hydroxymethylfurfural using TBHP as an oxidizing and methylating reagent: A new approach for the synthesis of furan-2,5-dimethylcarboxylate. Journal of Catalysis, 2020, 389, 259-269.	6.2	25
9	Advances in C-C Coupling Reactions Catalyzed by Homogeneous Phosphine Free Palladium Catalysts. Bulletin of the Chemical Society of Japan, 2020, 93, 355-372.	3.2	19
10	Nano-metal oxides for organic transformations. Current Opinion in Green and Sustainable Chemistry, 2019, 15, 20-26.	5.9	12
11	Catalytic conversion of furfuryl alcohol or levulinic acid into alkyl levulinates using a sulfonic acid-functionalized hafnium-based MOF. Catalysis Communications, 2019, 124, 62-66.	3.3	59
12	Oxidative coupling of carboxylic acids or benzaldehydes with DMF using hydrotalcite-derived oxide catalysts. Applied Catalysis B: Environmental, 2019, 240, 348-357.	20.2	16
13	Catalysis Today Special Issue: Catalysis for Sustainable Development, Peace and Prosperity. Catalysis Today, 2018, 309, 1.	4.4	1
14	Selective hydrogenation of levulinic acid into γ -valerolactone over Cu/Ni hydrotalcite-derived catalyst. Catalysis Today, 2018, 309, 189-194.	4.4	63
15	Direct Synthesis of Amides from Oxidative Coupling of Benzyl Alcohols or Benzylamines with N-Substituted Formamides Using a Cu-Fe-Based Heterogeneous Catalyst. ChemistrySelect, 2018, 3, 8436-8443.	1.5	8
16	Advances in Catalysis for Sustainable Development Special Issue. ACS Sustainable Chemistry and Engineering, 2017, 5, 3597-3597.	6.7	4
17	Solvent-free microwave-assisted synthesis of solketal from glycerol using transition metal ions promoted mordenite solid acid catalysts. Molecular Catalysis, 2017, 434, 184-193.	2.0	56
18	An expedient microwave assisted regio- and stereoselective synthesis of spiroquinoxaline pyrrolizine derivatives and their AChE inhibitory activity. New Journal of Chemistry, 2017, 41, 873-878.	2.8	46

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19	Synthesis of quinoxaline derivatives from terminal alkynes and o-phenylenediamines by using copper alumina catalyst. <i>Journal of Chemical Sciences</i> , 2017, 129, 1761-1769.	1.5	11
20	Oxidative amidation of benzaldehydes and benzylamines with <i>N</i> -substituted formamides over a Co/Al hydrotalcite-derived catalyst. <i>New Journal of Chemistry</i> , 2017, 41, 15268-15276.	2.8	18
21	Carboxyamido/carbene ligated palladium (II) complex: A versatile catalyst for the synthesis of aryl-substituted heteroarenes. <i>Polyhedron</i> , 2016, 120, 150-153.	2.2	4
22	Crude bio-glycerol as a hydrogen source for the selective hydrogenation of aromatic nitro compounds over Ru/MgLaO catalyst. <i>Catalysis Communications</i> , 2016, 74, 91-94.	3.3	18
23	Ce/SiO ₂ composite as an efficient catalyst for the multicomponent one-pot synthesis of substituted pyrazolones in aqueous media and their antimicrobial activities. <i>Journal of Molecular Catalysis A</i> , 2016, 411, 325-336.	4.8	25
24	Ordered Hexagonal Mesoporous Aluminosilicates and their Application in Ligand-Free Synthesis of Secondary Amines. <i>ChemCatChem</i> , 2015, 7, 747-751.	3.7	12
25	Dehydrogenative and decarboxylative C-H alkynylation of heteroarenes catalyzed by Pd(II)-carbene complex. <i>Tetrahedron</i> , 2015, 71, 1975-1981.	1.9	17
26	Nano palladium supported on high surface area metal-organic framework MIL-101: an efficient catalyst for Sonogashira coupling of aryl and heteroaryl bromides with alkynes. <i>Applied Organometallic Chemistry</i> , 2015, 29, 234-239.	3.5	34
27	Nanocrystalline magnesium oxide-stabilized palladium(0): an efficient and reusable catalyst for synthesis of N-(2-pyridyl)indoles. <i>New Journal of Chemistry</i> , 2015, 39, 3399-3404.	2.8	19
28	Synthesis of fluorenones by using Pd/Mg-La mixed oxide catalyst. <i>Catalysis Science and Technology</i> , 2015, 5, 3363-3367.	4.1	8
29	Metal-acid bifunctional catalysts for selective hydrogenolysis of glycerol under atmospheric pressure: A highly selective route to produce propanols. <i>Applied Catalysis A: General</i> , 2015, 498, 88-98.	4.3	37
30	High Efficiency Conversion of Glycerol to 1,3-Propanediol Using a Novel Platinum-Tungsten Catalyst Supported on SBA-15. <i>Industrial & Engineering Chemistry Research</i> , 2015, 54, 9104-9115.	3.7	72
31	Synthesis of unsymmetrical phenylurea derivatives via oxidative cross coupling of aryl formamides with amines under metal-free conditions. <i>New Journal of Chemistry</i> , 2015, 39, 805-809.	2.8	32
32	Vapour-Phase Hydrogenolysis of Glycerol to 1,3-Propanediol Over Supported Pt Catalysts: The Effect of Supports on the Catalytic Functionalities. <i>Catalysis Letters</i> , 2014, 144, 2129-2143.	2.6	31
33	Catalytic performance of Pt/AlPO ₄ catalysts for selective hydrogenolysis of glycerol to 1,3-propanediol in the vapour phase. <i>RSC Advances</i> , 2014, 4, 51893-51903.	3.6	34
34	Ordered mesoporous ferrosilicate materials with highly dispersed iron oxide nanoparticles and investigation of their unique magnetic properties. <i>Physical Chemistry Chemical Physics</i> , 2014, 16, 22471-22475.	2.8	3
35	Rhodium catalyzed three-component reaction of aldehyde, boronic acid, and sulfonamides: a facile one-pot synthesis of diarylmethylamines. <i>Tetrahedron Letters</i> , 2014, 55, 5439-5442.	1.4	7
36	Formation of benzoxanthenones and benzochromenones via cerium-impregnated-MCM-41 catalyzed, solvent-free, three-component reaction and their biological evaluation as anti-microbial agents. <i>Journal of Molecular Catalysis A</i> , 2014, 386, 49-60.	4.8	22

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37	Nanocrystalline magnesium oxide-stabilized palladium(0): the Heck reaction of heteroaryl bromides in the absence of additional ligands and base. <i>Catalysis Science and Technology</i> , 2013, 3, 2550.	4.1	8
38	Heck cross-coupling of vinyl heteroaromatic compounds with aryl and heteroaryl halides using Pd(II) complex under phosphine-free conditions. <i>Tetrahedron</i> , 2013, 69, 10940-10945.	1.9	8
39	Synthesis of substituted guanidines using Zn-Al hydrotalcite catalyst. <i>Journal of Chemical Sciences</i> , 2013, 125, 1339-1345.	1.5	13
40	Monodispersed and Stable Nano Copper(0) from Copper-Aluminium Hydrotalcite: Importance in C-C Couplings of Deactivated Aryl Chlorides. <i>Advanced Synthesis and Catalysis</i> , 2013, 355, 751-756.	4.3	25
41	Phosphine-Free Palladium-Catalyzed Decarboxylative Coupling of Alkynylcarboxylic Acids with Aryl and Heteroaryl Halides. <i>Advanced Synthesis and Catalysis</i> , 2013, 355, 705-710.	4.3	26
42	Tris(acetylacetonato)rhodium(III)-Catalyzed α -Alkylation of Ketones, β -Alkylation of Secondary Alcohols and Alkylation of Amines with Primary Alcohols. <i>Advanced Synthesis and Catalysis</i> , 2013, 355, 1859-1867.	4.3	99
43	Direct synthesis of two-dimensional mesoporous copper silicate as an efficient catalyst for synthesis of propargylamines. <i>Catalysis Today</i> , 2013, 208, 66-71.	4.4	41
44	Cerium-containing MCM-41 catalyst for selective oxidative arene cross-dehydrogenative coupling reactions. <i>Catalysis Today</i> , 2012, 198, 35-44.	4.4	30
45	Chemoselective Hydrogenation of the Olefinic Bonds Using a Palladium/Magnesium-Lanthanum Mixed Oxide Catalyst. <i>Advanced Synthesis and Catalysis</i> , 2012, 354, 663-669.	4.3	37
46	Bis(μ -iodo)bis(π -sparteine)dicopper: A Versatile Catalyst for Direct α -Arylation and α -Alkylation of Phenols and Aliphatic Alcohols with Haloarenes. <i>Bulletin of the Chemical Society of Japan</i> , 2011, 84, 788-790.	3.2	9
47	Synthesis of α -Hydroxy β -Sulfanyl Esters by Using Nanocrystalline Magnesium Oxide. <i>Helvetica Chimica Acta</i> , 2011, 94, 1533-1542.	1.6	1
48	Uridate/pyridyl Pd(II) complexes: Phosphine-free high turnover catalysts for the Heck reaction of deactivated aryl bromides. <i>Journal of Organometallic Chemistry</i> , 2011, 696, 795-801.	1.8	29
49	New cyclopalladated benzothiophenes: a catalyst precursor for the Suzuki coupling of deactivated aryl chlorides. <i>Organic and Biomolecular Chemistry</i> , 2010, 8, 3001.	2.8	23
50	N ₄ -Tetradentate Dicarboxyamidate/Dipyridyl Palladium Complexes as Robust Catalysts for the Heck Reaction of Deactivated Aryl Chlorides. <i>Chemistry - A European Journal</i> , 2009, 15, 1578-1581.	3.3	59
51	Amination of Alcohols Catalyzed by Copper-Aluminium Hydrotalcite: A Green Synthesis of Amines. <i>European Journal of Organic Chemistry</i> , 2009, 2009, 5383-5389.	2.4	120
52	Synthesis of highly substituted 2-perfluoroalkyl quinolines by electrophilic iodocyclization of perfluoroalkyl propargyl imines/amines. <i>Organic and Biomolecular Chemistry</i> , 2009, 7, 85-93.	2.8	72
53	Asymmetric Hydrogenation of Ethyl Pyruvate using Layered Double Hydroxides-Supported Nano Noble Metal Catalysts. <i>Synthetic Communications</i> , 2007, 37, 959-964.	2.1	7
54	Solid Base Catalysts in Organic Synthesis. <i>Current Organic Chemistry</i> , 2006, 10, 1627-1637.	1.6	50

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55	Friedel-Crafts acylation of aromatics and heteroaromatics by beta zeolite. <i>Journal of Molecular Catalysis A</i> , 2005, 225, 15-20.	4.8	132
56	Heterogeneous catalytic asymmetric aminohydroxylation of olefins using LDH-supported OsO ₄ . <i>Journal of Molecular Catalysis A</i> , 2003, 196, 151-156.	4.8	16
57	Selective reduction of aldehydes to alcohols by calcined Ni-Al hydrotalcite. <i>Journal of Molecular Catalysis A</i> , 2003, 206, 145-151.	4.8	35
58	Highly Efficient "Tight Fit" Immobilization of $\hat{\text{I}}\pm$ -Chymotrypsin in Mesoporous MCM-41: A Novel Approach Using Precursor Immobilization and Activation. <i>Biotechnology Progress</i> , 2003, 19, 346-351.	2.6	32
59	An Improved Process for Selective Liquid-Phase Air Oxidation of Toluene. <i>Catalysis Letters</i> , 2002, 81, 223-232.	2.6	51
60	Mn(III) salen complex: an efficient reusable acylation catalyst. <i>Journal of Molecular Catalysis A</i> , 2001, 168, 69-73.	4.8	22
61	Synthesis of 2-nitroalkanols by Mg $\hat{\text{I}}$ -Al $\hat{\text{I}}$ -O-t-Bu hydrotalcite. <i>Journal of Molecular Catalysis A</i> , 2001, 169, 193-197.	4.8	33
62	Epoxidations of olefins catalysed by new Mn(II) salen immobilized mesoporous materials. <i>Journal of Molecular Catalysis A</i> , 2000, 159, 417-421.	4.8	50
63	Enantioselective Michael addition reactions catalyzed by a new heterobimetallic asymmetric complex. <i>ICT Communication No.: 4052.1. Journal of Molecular Catalysis A</i> , 1999, 142, 389-392.	4.8	7
64	The first example of Michael addition catalysed by modified Mg $\hat{\text{I}}$ -Al hydrotalcite. <i>Journal of Molecular Catalysis A</i> , 1999, 146, 279-284.	4.8	133
65	Acylation of aromatic ethers with acid anhydrides in the presence of cation-exchanged clays. <i>Applied Catalysis A: General</i> , 1998, 171, 155-160.	4.3	73
66	Iron pillared clays are efficient catalysts for Friedel-Crafts reactions. <i>Applied Catalysis A: General</i> , 1997, 149, 257-264.	4.3	75
67	Hydroesterification of styrene catalyzed by montmorillonite-diphenylphosphinepalladium(II) chloride in the presence of chiral phosphines. <i>Journal of Molecular Catalysis A</i> , 1997, 118, 247-253.	4.8	48