Ganapati D Yadav

List of Publications by Year
in descending order

304	10,280	34105 52	53230 85
papers	citations	h-index	g-index

309	309	309	8735
all docs	docs citations	times ranked	citing authors

#	Article	IF	Citations
1	Wastewater treatment containing methylene blue dye as pollutant using adsorption by chitosan lignin membrane: Development of membrane, characterization and kinetics of adsorption. Journal of the Indian Chemical Society, 2022, 99, 100263.	2.8	36
2	Direct synthesis of dimethyl ether from CO₂ hydrogenation over a highly active, selective and stable catalyst containing Cuâ€“ZnOâ€“Al₂O₃/Alâ€“Zr(1â€‰:â€‰1)-SBA-15. Reaction Chemistry and Engineering, 2022, 7, 1391-1408.	3.7	7
3	Solvent-free oxidative esterification of furfural to 2-methyl furoate using novel copper-exchanged tungstophosphoric acid supported on montmorillonite K-10 catalyst. Molecular Catalysis, 2022, 524, 112256.	2.0	2
4	Superior efficacy of biocomposite membranes of chitosan with montmorillonite and kaolin vs pure chitosan for removal of Cu(II) from wastewater. Journal of Chemical Sciences, 2022, 134, 1.	1.5	5
5	Bimetallic Cuâ€“Ni Nanometal Supported over Mesocellular Silica Foam As a Novel Catalyst for One-Pot Synthesis of Benzimidazole in DMF As a Bifunctional Reagent. Industrial & Engineering Chemistry Research, 2022, 61, 6909-6924.	3.7	12
6	<scp>Synthesis</scp> of environmentâ€friendly, sustainable, and nontoxic bioâ€lubricants: A critical review of advances and a path forward. Biofuels, Bioproducts and Biorefining, 2022, 16, 1172-1195.	3.7	6
7	Hydrothermal processing of waste pine wood into industrially useful products. Journal of the Indian Chemical Society, 2022, 99, 100647.	2.8	2
8	Interesterification of triglycerides with methyl acetate for the co-production biodiesel and triacetin using hydrotalcite as a heterogenous base catalyst. Catalysis Today, 2021, 375, 101-111.	4.4	18
9	Sustainable and selective hydrogen production by steam reforming of bio-based ethylene glycol: Design and development of Niâ€“Cu/mixed metal oxides using M (CeO2, La2O3, ZrO2)â€“MgO mixed oxides. International Journal of Hydrogen Energy, 2021, 46, 4808-4826.	7.1	12
10	Zinc-electrocatalyzed hydrogenation of furfural in near-neutral electrolytes. Sustainable Energy and Fuels, 2021, 5, 2972-2984.	4.9	14
11	Steam Reforming of Methanol for Hydrogen Production: A Critical Analysis of Catalysis, Processes, and Scope. Industrial & Engineering Chemistry Research, 2021, 60, 89-113.	3.7	151
12	Design of a novel dual function membrane microreactor for liquidâ€“liquidâ€“liquid phase transfer catalysed reaction: selective synthesis of 1-naphthyl glycidyl ether. Reaction Chemistry and Engineering, 2021, 6, 858-867.	3.7	4
13	Methanol economy and net zero emissions: critical analysis of catalytic processes, reactors and technologies. Green Chemistry, 2021, 23, 8361-8405.	9.0	31
14	Esterification of propanoic acid with 1,2-propanediol: catalysis by cesium exchanged heteropoly acid on K-10 clay and kinetic modelling. Reaction Chemistry and Engineering, 2021, 6, 313-320.	3.7	7
15	Molybdenum oxide modified montmorillonite K10 clay as novel solid acid for flow synthesis of ionone isomers. Molecular Catalysis, 2021, 501, 111362.	2.0	4
16	Chitosan-based membranes preparation and applications: Challenges and opportunities. Journal of the Indian Chemical Society, 2021, 98, 100017.	2.8	42
17	Production of biofuel 2,5-dimethylfuran using highly efficient single-step selective hydrogenation of 5-hydroxymethylfurfural over novel Pd-Co/Al-Zr mixed oxide catalyst. Fuel, 2021, 290, 119947.	6.4	23
18	Kinetic study for ionic liquid catalyzed green O-methylation of cresols using dimethyl carbonate. Chemical Engineering Research and Design, 2021, 168, 202-213.	5.6	2

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19	CuO-ZnO-MgO as sustainable and selective catalyst towards synthesis of cyclohexanone by dehydrogenation of cyclohexanol over monovalent copper. Molecular Catalysis, 2021, 506, 111534.	2.0	3
20	Highly selective production of styrene by non-oxidative dehydrogenation of ethylbenzene over molybdenum-zirconium mixed oxide catalyst in fixed bed reactor: Activity, stability and kinetics. Catalysis Communications, 2021, 154, 106307.	3.3	8
21	Friedel-crafts acylation of furan using chromium-exchanged dodecatungstophosphoric acid: effect of support, mechanism and kinetic modelling. Clean Technologies and Environmental Policy, 2021, 23, 2429-2441.	4.1	7
22	Continuous Synthesis and Separation of p-Bromobenzyl Bromide Using Atom-Efficient Bromination of p-Bromotoluene without Any Organic Effluent: Potential for Green Industrial Practice. Organic Process Research and Development, 2021, 25, 2071-2080.	2.7	1
23	Biodegradation of organophosphorus insecticide chlorpyrifos into a major fuel additive 2,4-bis(1,1) Tj ETQq1 1 0.784314 rgBT /Overlock Chemical Society, 2021, 98, 100120.	2.8	12
24	Green strategy for the synthesis of mesoporous, free-standing MAl2O4 (MÂ=ÂFe, Co, Ni, Cu) spinel films by solâ€“gel method. Materials Science and Engineering B: Solid-State Materials for Advanced Technology, 2021, 271, 115244.	3.5	5
25	Organic-inorganic epoxide hydrolase hybrid nanoflowers with enhanced catalytic activity: Hydrolysis of styrene oxide to 1-phenyl-1,2-ethanediol. Journal of Biotechnology, 2021, 341, 113-120.	3.8	7
26	Process intensification using immobilized enzymes for the development of white biotechnology. Catalysis Science and Technology, 2021, 11, 1994-2020.	4.1	15
27	Dry reforming of methane for syngas production: A review and assessment of catalyst development and efficacy. Journal of the Indian Chemical Society, 2021, 98, 100002.	2.8	62
28	Valorization of Bio-Oils to Fuels and Chemicals. ACS Symposium Series, 2021, , 29-67.	0.5	6
29	Tuneable transesterification of glycerol with dimethyl carbonate for synthesis of glycerol carbonate and glycidol on MnO2 nanorods and efficacy of different polymorphs. Molecular Catalysis, 2021, 515, 111934.	2.0	9
30	Solvent-Free Benzylation of Glycerol by Benzyl Alcohol Using Heteropoly Acid Impregnated on K-10 Clay as Catalyst. Catalysts, 2021, 11, 34.	3.5	6
31	A Novel Synthetic Approach of Functionalised GO and CNT to Nanocomposite Containing Active Nanostructured Fillers for Classical Isocyanate Curing. , 2021, 8, .		0
32	Case study on sustainability of textile wastewater treatment plant based on lifecycle assessment approach. Journal of Cleaner Production, 2020, 245, 118929.	9.3	30
33	Enhancing Activity by Supercritical CO2 Mediated Immobilization of Lipase on Mesocellular Foam in Preparation of Hexyl Laurate. Applied Biochemistry and Biotechnology, 2020, 190, 686-702.	2.9	1
34	Multi-functional Fe-Al0.66DTP/MCF catalyst in cascade engineered synthesis of the drug butamben: Novelty of catalyst, reaction kinetics and mechanism. Molecular Catalysis, 2020, 483, 110711.	2.0	8
35	Carbon Dioxide Reforming of Methane over Mesoporous Alumina Supported Ni(Co), Ni(Rh) Bimetallic, and Ni(CoRh) Trimetallic Catalysts: Role of Nanoalloying in Improving the Stability and Nature of Coking. Energy & Fuels, 2020, 34, 16433-16444.	5.1	21
36	Selectivity engineering in catalysis by ruthenium nanoparticles supported on heteropolyacid-encapsulated MOF-5: one-pot synthesis of allyl 4-cyclohexanebutyrate and kinetic modeling. Emergent Materials, 2020, 3, 965-988.	5.7	4

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37	Claisenâ€Schmidt Condensation using Green Catalytic Processes: A Critical Review. ChemistrySelect, 2020, 5, 9059-9085.	1.5	40
38	Extraction of epoxide hydrolase from Glycine max using microwave-assisted three phase partitioning with dimethyl carbonate as green solvent. Food and Bioproducts Processing, 2020, 124, 159-167.	3.6	7
39	Chemoenzymatic Epoxidation of Limonene Using a Novel Surface-Functionalized Silica Catalyst Derived from Agricultural Waste. ACS Omega, 2020, 5, 22940-22950.	3.5	13
40	The production of fuels and chemicals in the new world: critical analysis of the choice between crude oil and biomass vis-Ã-vis sustainability and the environment. Clean Technologies and Environmental Policy, 2020, 22, 1757-1774.	4.1	86
41	Design and Development of Novel Continuous Flow Stirred Multiphase Reactor: Liquidâ€“Liquidâ€“Liquid Phase Transfer Catalysed Synthesis of Guaiacol Glycidyl Ether. Processes, 2020, 8, 1271.	2.8	3
42	A novel single-step hydrogenation of 2-imidazolecarboxaldehyde to 2-methylimidazole over Pd-impregnated Alâ€“Ti mixed oxide and kinetics. Reaction Chemistry and Engineering, 2020, 5, 1461-1473.	3.7	0
43	Synthesis and Application of Novel NiMoK/TS-1 for Selective Conversion of Fatty Acid Methyl Esters/Triglycerides to Olefins. ACS Omega, 2020, 5, 5061-5071.	3.5	13
44	Development of Green and Clean Processes for Perfumes and Flavors Using Heterogeneous Chemical Catalysis. Current Catalysis, 2020, 9, 32-58.	0.5	4
45	Preparation of amino-functionalized silica supports for immobilization of epoxide hydrolase and cutinase: characterization and applications. Journal of Porous Materials, 2020, 27, 1559-1567.	2.6	10
46	Selectivity Engineering in One-Pot Selective Synthesis of Drug Nabumetone over Novel Ni-Promoted La-Mg Oxide/Mesoporous Cellular Foam as Catalyst and Kinetic Modeling. Industrial & Engineering Chemistry Research, 2020, 59, 2781-2795.	3.7	3
47	Zn- and Ti-Modified Hydrotalcites for Transesterification of Dimethyl Terephthalate with Ethylene Glycol: Effect of the Metal Oxide and Catalyst Synthesis Method. ACS Omega, 2020, 5, 2088-2096.	3.5	7
48	Innovative catalysis in Michael addition reactions for C-X bond formation. Molecular Catalysis, 2020, 485, 110814.	2.0	28
49	Synthesis of Unsaturated Drying Oils from Saturated Fatty Oils Derived from Renewable Feedstocks. Industrial & Engineering Chemistry Research, 2020, 59, 8911-8920.	3.7	0
50	Synthesis of salicylaldehyde through oxidation of o-cresol: Evaluation of activity and selectivity of different metals supported on OMS-2 nanorods and kinetics. Molecular Catalysis, 2020, 491, 110991.	2.0	4
51	TiO2 CATALYZED PHOTOCATALYTIC MINERALIZATION OF AMOXICILLIN FROM AQUEOUS SOLUTION: POTENTIAL APPLICATION OF HOMBIKAT N10. Catalysis in Green Chemistry and Engineering, 2020, 3, 153-162.	0.2	0
52	MECHANISM AND KINETICS OF LIQUID-LIQUID PHASE TRANSFER CATALYZED ETHERIFICATION OF EUGENOL WITH ALLYL BROMIDE. Catalysis in Green Chemistry and Engineering, 2020, 3, 79-90.	0.2	0
53	O-METHYLATION OF HYDROXYACETOPHENONE USING DIMETHYL CARBONATE WITH IONIC LIQUID AS A CATALYST. Catalysis in Green Chemistry and Engineering, 2020, 3, 163-177.	0.2	0
54	V2O5/HMS AS NOVEL CATALYST FOR PRODUCTION OF 1,1'-BI-2-NAPHTHOL BY OXIDATIVE C-C COUPLING OF 2-NAPHTHOL: ACTIVITY, SELECTIVITY AND KINETICS. Catalysis in Green Chemistry and Engineering, 2020, 3, 13-31.	0.2	0

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55	CLAISEN REARRANGEMENT OF ALLYL-2,6-DIMETHYLPHENYL ETHER OVER A SOLID SUPERACID UDCaT-5 CATALYST. Catalysis in Green Chemistry and Engineering, 2020, 3, 1-12.	0.2	0
56	Zinc-Catalyzed Electrocatalytic Hydrogenation of Furfural at Neutral pH. ECS Meeting Abstracts, 2020, MA2020-02, 3274-3274.	0.0	0
57	Green Synthesis of Furfural Acetone by Solvent-Free Aldol Condensation of Furfural with Acetone over La₂O₃â€“MgO Mixed Oxide Catalyst. Industrial & Engineering Chemistry Research, 2019, 58, 16096-16105.	3.7	38
58	Development of novel support for penicillin acylase and its application in 6-aminopenicillanic acid production. Molecular Catalysis, 2019, 476, 110484.	2.0	4
59	Aldol Condensation of 5-Hydroxymethylfurfural to Fuel Precursor over Novel Aluminum Exchanged-DTP@ZIF-8. ACS Sustainable Chemistry and Engineering, 2019, 7, 16215-16224.	6.7	37
60	Clean synthesis of benzylidenemalononitrile by Knoevenagel condensation of benzaldehyde and malononitrile: effect of combustion fuel on activity and selectivity of Ti-hydrotalcite and Zn-hydrotalcite catalysts. Journal of Chemical Sciences, 2019, 131, 1.	1.5	13
61	Process intensification and waste minimization using liquid-liquid-liquid tri-phase transfer catalysis for the synthesis of 2-((benzyloxy)methyl)furan. Molecular Catalysis, 2019, 466, 112-121.	2.0	13
62	Novelty of iron-exchanged heteropolyacid encapsulated inside ZIF-8 as an active and superior catalyst in the esterification of furfuryl alcohol and acetic acid. Reaction Chemistry and Engineering, 2019, 4, 1790-1802.	3.7	12
63	Noble metal promoted Niâ€“Cu/La2O3â€“MgO catalyst for renewable and enhanced hydrogen production via steam reforming of bio-based n-butanol: effect of promotion with Pt, Ru and Pd on catalytic activity and selectivity. Clean Technologies and Environmental Policy, 2019, 21, 1323-1339.	4.1	26
64	Synthesis of geranyl acetate by transesterification of geraniol with ethyl acetate over Candida antarctica lipase as catalyst in solventâ€free system. Flavour and Fragrance Journal, 2019, 34, 288-293.	2.6	20
65	Perspective of dimethyl ether as fuel: Part I. Catalysis. Journal of CO2 Utilization, 2019, 32, 299-320.	6.8	81
66	Perspective of dimethyl ether as fuel: Part II- analysis of reactor systems and industrial processes. Journal of CO2 Utilization, 2019, 32, 321-338.	6.8	32
67	Superior activity and selectivity of multifunctional catalyst Pd-DTP@ZIF-8 in one pot synthesis of 3-phenyl propyl benzoate. Inorganica Chimica Acta, 2019, 490, 282-293.	2.4	8
68	Selectivity Engineering in One Pot Synthesis of Raspberry Ketone: Crossed Aldol Condensation of pâ€Hydroxybenzaldehyde and Acetone and Hydrogenation over Novel Ni/Znâ€Ła Mixed Oxide. ChemistrySelect, 2019, 4, 2140-2152.	1.5	14
69	Environmentally benign synthesis of mesoporous cobaltaluminate nodules as catalyst and its effect on the selective oxidation of benzhydrol to benzophenone. Journal of Environmental Chemical Engineering, 2019, 7, 102834.	6.7	2
70	Surface functionalization of SBA-15 for immobilization of lipase and its application in synthesis of alkyl levulinates: Optimization and kinetics. Biocatalysis and Agricultural Biotechnology, 2019, 18, 101038.	3.1	16
71	A Green Process for Selective Hydrolysis of Cinnamaldehyde in Water to Natural Benzaldehyde by Using Ti and Zn Modified Hydrotalcites as Catalysts. Current Green Chemistry, 2019, 6, 242-254.	1.1	1
72	Selective hydrogenation of bio-based 5-hydroxymethyl furfural to 2,5-dimethylfuran over magnetically separable Fe-Pd/C bimetallic nanocatalyst. Molecular Catalysis, 2019, 465, 1-15.	2.0	43

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73	Single-Step Hydrogenolysis of Furfural to 1,2-Pentanediol Using a Bifunctional Rh/OMS-2 Catalyst. ACS Omega, 2019, 4, 1201-1214.	3.5	29
74	Exploring the untapped potential of solar pretreatment for deconstruction of recalcitrant Kraft lignin in fungal biotransformation. Clean Technologies and Environmental Policy, 2019, 21, 579-590.	4.1	7
75	Green synthesis of methyl salicylate using novel sulfated iron oxideâ€“zirconia catalyst. Clean Technologies and Environmental Policy, 2019, 21, 533-545.	4.1	6
76	GREEN SYNTHESIS OF 2,3-OXYBUTYL MALONONITRILE VIAMICHAEL REACTION OF METHYL VINYL KETONE WITH MALONONITRILE OVER TITANIA AND ZINC LOADED HYDROTALCITE CATALYSTS. Catalysis in Green Chemistry and Engineering, 2019, 2, 43-54.	0.2	3
77	COMPUTATIONAL MODELING STUDY OF ACYLATION OF PHENOL OVER ZEOLITES TO HYDROXYACETOPHENONES. Catalysis in Green Chemistry and Engineering, 2019, 2, 75-90.	0.2	0
78	Microwave assisted solvent-free synthesis of n -butyl propionate by immobilized lipase as catalyst. Biocatalysis and Agricultural Biotechnology, 2018, 14, 264-269.	3.1	14
79	Catalysis for sustainable development. Clean Technologies and Environmental Policy, 2018, 20, 681-682.	4.1	0
80	Catalysis Today Special Issue: Catalysis for Sustainable Development, Peace and Prosperity. Catalysis Today, 2018, 309, 1.	4.4	1
81	Cu 2 O nanoparticles supported hydrothermal carbon microspheres as catalyst for propargylamine synthesis. Molecular Catalysis, 2018, 451, 209-219.	2.0	26
82	Atom economical benzylation of phenol with benzyl alcohol using 20 % (w/w)Cs 2.5 H 0.5 PW 12 O 40 supported on mesocellular foam silica (MCF) and its kinetics. Microporous and Mesoporous Materials, 2018, 263, 190-200.	4.4	29
83	Heterogeneous cycloaddition of styrene oxide with carbon dioxide for synthesis of styrene carbonate using reusable lanthanumâ€“zirconium mixed oxide as catalyst. Clean Technologies and Environmental Policy, 2018, 20, 345-356.	4.1	25
84	Rapid In Situ Encapsulation of Laccase into Metalâ€Organic Framework Support (ZIFâ€8) under Biocompatible Conditions. ChemistrySelect, 2018, 3, 4669-4675.	1.5	46
85	Synthesis of cinnamyl benzoate over novel heteropoly acid encapsulated ZIF-8. Applied Catalysis A: General, 2018, 560, 54-65.	4.3	35
86	Grapheneâ€Oxideâ€Supported SO₃Hâ€Functionalized Imidazoliumâ€Based Ionic Liquid: Efficient and Recyclable Heterogeneous Catalyst for Alcoholysis and Aminolysis Reactions. ChemistrySelect, 2018, 3, 4547-4556.	1.5	13
87	Fermentative production, purification of inulinase from Aspergillus terreus MTCC 6324 and its application for hydrolysis of sucrose. Biocatalysis and Agricultural Biotechnology, 2018, 14, 293-299.	3.1	4
88	Niâ€“Cu and Niâ€“Co Supported on Laâ€“Mg Based Metal Oxides Prepared by Coprecipitation and Impregnation for Superior Hydrogen Production via Steam Reforming of Glycerol. Industrial & Engineering Chemistry Research, 2018, 57, 4785-4797.	3.7	49
89	Experimental and Modeling Assessment of Sulfate and Arsenic Removal from Mining Wastewater by Nanofiltration. International Journal of Chemical Reactor Engineering, 2018, 16, .	1.1	3
90	Biobased process intensification in selective synthesis of Î³-butyrolactone from succinic acid via synergistic palladiumâ€“copper bimetallic catalyst supported on alumina xerogel. Clean Technologies and Environmental Policy, 2018, 20, 683-693.	4.1	9

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91	Biocatalytic resolution of (R,S)-styrene oxide using a novel epoxide hydrolase from red mung beans. Catalysis Today, 2018, 309, 236-241.	4.4	17
92	One-pot synthesis of benzimidazole using DMF as a multitasking reagent in presence CuFe 2 O 4 as catalyst. Catalysis Today, 2018, 309, 51-60.	4.4	23
93	Design of tandem catalyst by co-immobilization of metal and enzyme on mesoporous foam for cascaded synthesis of (R)-phenyl ethyl acetate. Biochemical Engineering Journal, 2018, 129, 96-105.	3.6	18
94	Application of microwave assisted three phase partitioning method for purification of laccase from Trametes hirsuta. Process Biochemistry, 2018, 65, 220-227.	3.7	38
95	Synthesis of Geraniol Esters in a Continuous-Flow Packed-Bed Reactor of Immobilized Lipase: Optimization of Process Parameters and Kinetic Modeling. Applied Biochemistry and Biotechnology, 2018, 184, 630-643.	2.9	30
96	Insight into a catalytic process for simultaneous production of biodiesel and glycerol carbonate from triglycerides. Catalysis Today, 2018, 309, 161-171.	4.4	21
97	Novel synthesis of Ru/OMS catalyst by solvent-free method: Selective hydrogenation of levulinic acid to Î³-valerolactone in aqueous medium and kinetic modelling. Chemical Engineering Journal, 2018, 334, 2488-2499.	12.7	74
98	Selective glycerolysis of urea to glycerol carbonate using combustion synthesized magnesium oxide as catalyst. Catalysis Today, 2018, 309, 153-160.	4.4	40
99	BEGINNING OF A NEW ERA: INAUGURAL ISSUE OF CATALYSIS IN GREEN CHEMISTRY AND ENGINEERING. Catalysis in Green Chemistry and Engineering, 2018, 1, v.	0.2	0
100	Comparative Studies of White-Rot Fungal Strains (Trametes hirsuta MTCC-1171 and) Tj ETQq0 0 0 rgBT /Overlock 10 Tf 50 387 T Ferulic Acid. ACS Omega, 2018, 3, 14858-14868.	3.5	20
101	Chemoselective Acetylation of 2-Aminophenol Using Immobilized Lipase: Process Optimization, Mechanism, and Kinetics. ACS Omega, 2018, 3, 18528-18534.	3.5	8
102	Process intensification by microwave irradiation in immobilized-lipase catalysis in solvent-free synthesis of ethyl valerate. Molecular Catalysis, 2018, 461, 34-39.	2.0	22
103	Green synthesis of Î±-methylcinnamaldehyde via Claisen-Schmidt condensation of benzaldehyde with propanal over Mgâ€“Zr mixed oxide supported on HMS. Molecular Catalysis, 2018, 459, 119-128.	2.0	11
104	Controlled manipulation of selectivity between O- versus C-alkylation in methylation of phenol using ZrO2-WO3- SiO2 catalysts. Applied Catalysis A: General, 2018, 562, 67-78.	4.3	11
105	n-Butyl levulinate synthesis using lipase catalysis: comparison of batch reactor versus continuous flow packed bed tubular microreactor. Journal of Flow Chemistry, 2018, 8, 97-105.	1.9	18
106	Selective Synthesis of Hydrocinnamaldehyde over Bimetallic Niâ€“Cu Nanocatalyst Supported on Graphene Oxide. Industrial & Engineering Chemistry Research, 2018, 57, 9083-9093.	3.7	31
107	Effect of Supercritical CO₂ as Reaction Medium for Selective Hydrogenation of Acetophenone to 1-Phenylethanol. ACS Omega, 2018, 3, 7124-7132.	3.5	23
108	Microwave assisted synthesis of 5-ethoxymethylfurfural in one pot from d-fructose by using deep eutectic solvent as catalyst under mild condition. Biomass and Bioenergy, 2018, 117, 38-43.	5.7	29

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109	Solventless synthesis of cyclic carbonates by direct utilization of CO 2 using nanocrystalline lithium promoted magnesia. Molecular Catalysis, 2018, 451, 200-208.	2.0	22
110	Kâ€“Laâ€“MgO as heterogeneous catalyst for synthesis of 3-(2-hydroxyethyl)-1,3-oxazolidin-2-one from diethanol amine and carbon dioxide. Clean Technologies and Environmental Policy, 2018, 20, 1875-1888.	4.1	2
111	Solventless triarylmethane synthesis via hydroxyalkylation of anisole with benzaldehyde by modified heteropoly acid on mesocellular foam silica (MCF). Molecular Catalysis, 2018, 455, 150-158.	2.0	22
112	A Green Process for Synthesis of Geraniol Esters by Immobilized Lipase from Candida Antarctica B Fraction in Non-Aqueous Reaction Media: Optimization and Kinetic Modeling. International Journal of Chemical Reactor Engineering, 2018, 16, .	1.1	8
113	NOVELTIES OF Mg-Al CALCINED HYDROTALCITE CATALYZED ONE-POT SYNTHESIS OF 2-PHENYL-1,3-DINITROPROPANE: REACTION MECHANISM AND KINETICS. Catalysis in Green Chemistry and Engineering, 2018, 1, 277-291.	0.2	0
114	KINETICS OF SOLVENTLESS HYDROARYLATION OF STYRENE WITH ANISOLE USING NOVEL HETEROGENEOUS Cs-DTPA CATALYST SUPPORTED ON MESOCELLULAR FOAM (MCF) SILICA. Catalysis in Green Chemistry and Engineering, 2018, 1, 223-234.	0.2	0
115	NOVELTIES OF SELECTIVITY IN TRILIQUID PHASE-TRANSFER-CATALYZED DIBENZYLATION OF RESORCINOL. Catalysis in Green Chemistry and Engineering, 2018, 1, 325-344.	0.2	0
116	IN SITU DRIFTS STUDIES OF THE NOVEL SUPERACIDIC SULFATED ZIRCONIA CATALYST: AN INVESTIGATION OF ACIDITY, CATALYTIC ACTIVITY, DEACTIVATION PHENOMENON AND REGENERATION OF ACTIVE SITES. Catalysis in Green Chemistry and Engineering, 2018, 1, 263-275.	0.2	0
117	SYNTHESIS OF 3-METHOXYCATECHOL FROM PYROGALLOL AND DIMETHYL CARBONATE IN LIQUID PHASE SLURRY REACTOR. Catalysis in Green Chemistry and Engineering, 2018, 1, 91-103.	0.2	0
118	Kinetic Resolution of (R,S)-Î±-Tetralol by Immobilized Candida antarctica Lipase B: Comparison of Packed-Bed over Stirred-Tank Batch Bioreactor. Industrial & Engineering Chemistry Research, 2017, 56, 1750-1757.	3.7	21
119	Selectivity engineering in hydroxyalkoxylation of phenol by ethylene carbonate using calcined hydrotalcite. Clean Technologies and Environmental Policy, 2017, 19, 1413-1422.	4.1	5
120	Novel Silica-Encapsulated Cuâ€“Al Hydrotalcite Catalyst: Oxidative Decarboxylation of Vanillyl Mandelic Acid to Vanillin in Water at Atmospheric Pressure. Industrial & Engineering Chemistry Research, 2017, 56, 12899-12908.	3.7	13
121	Novel alkali-promoted hydrotalcite for selective synthesis of 2-methoxy phenyl benzoate from guaiacol and benzoic anhydride. Clean Technologies and Environmental Policy, 2017, 19, 1169-1180.	4.1	5
122	Cascade engineered synthesis of 2-ethyl-1-hexanol from n-butanal and 2-methyl-1-pentanol from n-propanal using combustion synthesized Cu/Mg/Al mixed metal oxide trifunctional catalyst. Catalysis Today, 2017, 291, 223-233.	4.4	13
123	Cu promoted Ni-Co/hydrotalcite catalyst for improved hydrogen production in comparison with several modified Ni-based catalysts via steam reforming of ethanol. International Journal of Hydrogen Energy, 2017, 42, 11321-11332.	7.1	58
124	Insight into regioselective hydrogenation of methyl phenyl glyoxalate to methyl mandelate over Pt/Î±-MnO 2 nanorods. Molecular Catalysis, 2017, 433, 250-264.	2.0	9
125	Advances in Catalysis for Sustainable Development Special Issue. ACS Sustainable Chemistry and Engineering, 2017, 5, 3597-3597.	6.7	4
126	Developing and testing a tool for sustainability assessment in an early process design phase â€“ Case study of formic acid production by conventional and carbon dioxide-based routes. Journal of Cleaner Production, 2017, 168, 1636-1651.	9.3	17

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127	Potassium modified La-Mg mixed oxide as active and selective catalyst for mono-methylation of phenylacetonitrile with dimethyl carbonate. Molecular Catalysis, 2017, 438, 66-75.	2.0	22
128	Green Synthesis of Veratraldehyde Using Potassium Promoted Lanthanumâ€“Magnesium Mixed Oxide Catalyst. Organic Process Research and Development, 2017, 21, 1012-1020.	2.7	13
129	Enantioselective resolution of (R,S)-Î±-methyl-4-pyridinemethanol using immobilized biocatalyst: Optimization and kinetic modeling. Biochemical Engineering Journal, 2017, 122, 152-158.	3.6	11
130	Hydrothermal Synthesis of CuFe₂O₄ Magnetic Nanoparticles as Active and Robust Catalyst for Nâ€arylation of Indole and Imidazole with Aryl Halide. ChemistrySelect, 2017, 2, 2395-2405.	1.5	27
131	Selective synthesis of 1-(1-naphthyloxy)-2,3-epoxypropane from 1-naphthol and epichlorohydrin under solidâ€“liquid phase transfer catalysis: a waste minimization strategy. Clean Technologies and Environmental Policy, 2017, 19, 1223-1230.	4.1	3
132	Activity and selectivity of different base catalysts in synthesis of guaifenesin from guaiacol and glycidol of biomass origin. Catalysis Today, 2017, 291, 213-222.	4.4	11
133	Oneâ€pot synthesis of (R)â€1â€(pyridinâ€4â€yl)ethyl acetate using tandem catalyst prepared by coâ€immobilization of palladium and lipase on mesoporous foam: Optimization and kinetic modeling. Chirality, 2017, 29, 811-823.	2.6	8
134	Kinetic resolution of (R,S) phenyl glycidyl ether by red mung beans (Vigna angularis) epoxide hydrolases. Biocatalysis and Agricultural Biotechnology, 2017, 12, 260-265.	3.1	6
135	Solvothermal Synthesis of CuFe₂O₄@rGO: Efficient Catalyst for Câ€O Cross Coupling and Nâ€arylation Reaction under Ligandâ€Free Condition. ChemistrySelect, 2017, 2, 7150-7159.	1.5	16
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