

Amarshinh Jadhav

List of Publications by Year in descending order

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149
papers

4,405
citations

126907

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h-index

128289

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g-index

156
all docs

156
docs citations

156
times ranked

4978
citing authors

#	ARTICLE	IF	CITATIONS
1	Direct synthesis of dimethyl ether from CO ₂ hydrogenation over a highly active, selective and stable catalyst containing Cu–ZnO–Al ₂ O ₃ /Al–Zr(10%)-SBA-15. <i>Reaction Chemistry and Engineering</i> , 2022, 7, 1391-1408.		7
2	Superior efficacy of biocomposite membranes of chitosan with montmorillonite and kaolin vs pure chitosan for removal of Cu(II) from wastewater. <i>Journal of Chemical Sciences</i> , 2022, 134, 1.	1.5	5
3	Bimetallic Cu–Ni Nanometal Supported over Mesocellular Silica Foam As a Novel Catalyst for One-Pot Synthesis of Benzimidazole in DMF As a Bifunctional Reagent. <i>Industrial & Engineering Chemistry Research</i> , 2022, 61, 6909-6924.	3.7	12
4	Synthesis of environmental-friendly, sustainable, and nontoxic bio-lubricants: A critical review of advances and a path forward. <i>Biofuels, Bioproducts and Biorefining</i> , 2022, 16, 1172-1195.	3.7	6
5	Zinc-electrocatalyzed hydrogenation of furfural in near-neutral electrolytes. <i>Sustainable Energy and Fuels</i> , 2021, 5, 2972-2984.	4.9	14
6	Design of a novel dual function membrane microreactor for liquid–liquid–liquid phase transfer catalysed reaction: selective synthesis of 1-naphthyl glycidyl ether. <i>Reaction Chemistry and Engineering</i> , 2021, 6, 858-867.	3.7	4
7	Methanol economy and net zero emissions: critical analysis of catalytic processes, reactors and technologies. <i>Green Chemistry</i> , 2021, 23, 8361-8405.	9.0	31
8	Esterification of propanoic acid with 1,2-propanediol: catalysis by cesium exchanged heteropoly acid on K-10 clay and kinetic modelling. <i>Reaction Chemistry and Engineering</i> , 2021, 6, 313-320.	3.7	7
9	Friedel-Crafts acylation of furan using chromium-exchanged dodecatungstophosphoric acid: effect of support, mechanism and kinetic modelling. <i>Clean Technologies and Environmental Policy</i> , 2021, 23, 2429-2441.	4.1	7
10	Continuous Synthesis and Separation of <i>p</i> -Bromobenzyl Bromide Using Atom-Efficient Bromination of <i>p</i> -Bromotoluene without Any Organic Effluent: Potential for Green Industrial Practice. <i>Organic Process Research and Development</i> , 2021, 25, 2071-2080.	2.7	1
11	Organic-inorganic epoxide hydrolase hybrid nanoflowers with enhanced catalytic activity: Hydrolysis of styrene oxide to 1-phenyl-1,2-ethanediol. <i>Journal of Biotechnology</i> , 2021, 341, 113-120.	3.8	7
12	Process intensification using immobilized enzymes for the development of white biotechnology. <i>Catalysis Science and Technology</i> , 2021, 11, 1994-2020.	4.1	15
13	Valorization of Bio-Oils to Fuels and Chemicals. <i>ACS Symposium Series</i> , 2021, , 29-67.	0.5	6
14	Solvent-Free Benzoylation of Glycerol by Benzyl Alcohol Using Heteropoly Acid Impregnated on K-10 Clay as Catalyst. <i>Catalysts</i> , 2021, 11, 34.	3.5	6
15	Enhancing Activity by Supercritical CO ₂ Mediated Immobilization of Lipase on Mesocellular Foam in Preparation of Hexyl Laurate. <i>Applied Biochemistry and Biotechnology</i> , 2020, 190, 686-702.	2.9	1
16	Selectivity engineering in catalysis by ruthenium nanoparticles supported on heteropolyacid-encapsulated MOF-5: one-pot synthesis of allyl 4-cyclohexanecarboxylate and kinetic modeling. <i>Emergent Materials</i> , 2020, 3, 965-988.	5.7	4
17	Claisen–Schmidt Condensation using Green Catalytic Processes: A Critical Review. <i>ChemistrySelect</i> , 2020, 5, 9059-9085.	1.5	40
18	Chemoenzymatic Epoxidation of Limonene Using a Novel Surface-Functionalized Silica Catalyst Derived from Agricultural Waste. <i>ACS Omega</i> , 2020, 5, 22940-22950.	3.5	13

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19	The production of fuels and chemicals in the new world: critical analysis of the choice between crude oil and biomass vis-à-vis sustainability and the environment. <i>Clean Technologies and Environmental Policy</i> , 2020, 22, 1757-1774.	4.1	86
20	A novel single-step hydrogenation of 2-imidazolecarboxaldehyde to 2-methylimidazole over Pd-impregnated Al ₂ O ₃ /Ti mixed oxide and kinetics. <i>Reaction Chemistry and Engineering</i> , 2020, 5, 1461-1473.	3.7	0
21	Synthesis and Application of Novel NiMoK/TS-1 for Selective Conversion of Fatty Acid Methyl Esters/Triglycerides to Olefins. <i>ACS Omega</i> , 2020, 5, 5061-5071.	3.5	13
22	Preparation of amino-functionalized silica supports for immobilization of epoxide hydrolase and cutinase: characterization and applications. <i>Journal of Porous Materials</i> , 2020, 27, 1559-1567.	2.6	10
23	Zn- and Ti-Modified Hydrotalcites for Transesterification of Dimethyl Terephthalate with Ethylene Glycol: Effect of the Metal Oxide and Catalyst Synthesis Method. <i>ACS Omega</i> , 2020, 5, 2088-2096.	3.5	7
24	Synthesis of Unsaturated Drying Oils from Saturated Fatty Oils Derived from Renewable Feedstocks. <i>Industrial & Engineering Chemistry Research</i> , 2020, 59, 8911-8920.	3.7	0
25	Green Synthesis of Furfural Acetone by Solvent-Free Aldol Condensation of Furfural with Acetone over La ₂ O ₃ /MgO Mixed Oxide Catalyst. <i>Industrial & Engineering Chemistry Research</i> , 2019, 58, 16096-16105.	3.7	38
26	Aldol Condensation of 5-Hydroxymethylfurfural to Fuel Precursor over Novel Aluminum Exchanged-DTP@ZIF-8. <i>ACS Sustainable Chemistry and Engineering</i> , 2019, 7, 16215-16224.	6.7	37
27	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. <i>Journal of Chemical Sciences</i> , 2019, 131, 1.	1.5	13
28	Novelty of iron-exchanged heteropolyacid encapsulated inside ZIF-8 as an active and superior catalyst in the esterification of furfuryl alcohol and acetic acid. <i>Reaction Chemistry and Engineering</i> , 2019, 4, 1790-1802.	3.7	12
29	Noble metal promoted Ni ₂ Cu/La ₂ O ₃ /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. <i>Clean Technologies and Environmental Policy</i> , 2019, 21, 1323-1339.	4.1	26
30	Synthesis of geranyl acetate by transesterification of geraniol with ethyl acetate over Candida antarctica lipase as catalyst in solvent-free system. <i>Flavour and Fragrance Journal</i> , 2019, 34, 288-293.	2.6	20
31	Selectivity Engineering in One Pot Synthesis of Raspberry Ketone: Crossed Aldol Condensation of p-Hydroxybenzaldehyde and Acetone and Hydrogenation over Novel Ni/Zn ₂ La Mixed Oxide. <i>ChemistrySelect</i> , 2019, 4, 2140-2152.	1.5	14
32	A Green Process for Selective Hydrolysis of Cinnamaldehyde in Water to Natural Benzaldehyde by Using Ti and Zn Modified Hydrotalcites as Catalysts. <i>Current Green Chemistry</i> , 2019, 6, 242-254.	1.1	1
33	Single-Step Hydrogenolysis of Furfural to 1,2-Pentanediol Using a Bifunctional Rh/OMS-2 Catalyst. <i>ACS Omega</i> , 2019, 4, 1201-1214.	3.5	29
34	Exploring the untapped potential of solar pretreatment for deconstruction of recalcitrant Kraft lignin in fungal biotransformation. <i>Clean Technologies and Environmental Policy</i> , 2019, 21, 579-590.	4.1	7
35	Green synthesis of methyl salicylate using novel sulfated iron oxide-zirconia catalyst. <i>Clean Technologies and Environmental Policy</i> , 2019, 21, 533-545.	4.1	6
36	Microwave assisted solvent-free synthesis of n-butyl propionate by immobilized lipase as catalyst. <i>Biocatalysis and Agricultural Biotechnology</i> , 2018, 14, 264-269.	3.1	14

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37	Catalysis for sustainable development. <i>Clean Technologies and Environmental Policy</i> , 2018, 20, 681-682.	4.1	0
38	Heterogeneous cycloaddition of styrene oxide with carbon dioxide for synthesis of styrene carbonate using reusable lanthanum-zirconium mixed oxide as catalyst. <i>Clean Technologies and Environmental Policy</i> , 2018, 20, 345-356.	4.1	25
39	Rapid In Situ Encapsulation of Laccase into Metal-Organic Framework Support (ZIF-8) under Biocompatible Conditions. <i>ChemistrySelect</i> , 2018, 3, 4669-4675.	1.5	46
40	Graphene Oxide-Supported SO ₃ -Functionalized Imidazolium-Based Ionic Liquid: Efficient and Recyclable Heterogeneous Catalyst for Alcoholysis and Aminolysis Reactions. <i>ChemistrySelect</i> , 2018, 3, 4547-4556.	1.5	13
41	Ni-Cu and Ni-Co Supported on La-Mg Based Metal Oxides Prepared by Coprecipitation and Impregnation for Superior Hydrogen Production via Steam Reforming of Glycerol. <i>Industrial & Engineering Chemistry Research</i> , 2018, 57, 4785-4797.	3.7	49
42	Experimental and Modeling Assessment of Sulfate and Arsenic Removal from Mining Wastewater by Nanofiltration. <i>International Journal of Chemical Reactor Engineering</i> , 2018, 16, .	1.1	3
43	Biobased process intensification in selective synthesis of γ -butyrolactone from succinic acid via synergistic palladium-copper bimetallic catalyst supported on alumina xerogel. <i>Clean Technologies and Environmental Policy</i> , 2018, 20, 683-693.	4.1	9
44	Synthesis of Geraniol Esters in a Continuous-Flow Packed-Bed Reactor of Immobilized Lipase: Optimization of Process Parameters and Kinetic Modeling. <i>Applied Biochemistry and Biotechnology</i> , 2018, 184, 630-643.	2.9	30
45	Selective glycerolysis of urea to glycerol carbonate using combustion synthesized magnesium oxide as catalyst. <i>Catalysis Today</i> , 2018, 309, 153-160.	4.4	40
46	Comparative Studies of White-Rot Fungal Strains (<i>Trametes hirsuta</i> MTCC-1171 and) Tj ETQq0 0 0 rgBT /Overlock 10 Tf 50 387 T Ferulic Acid. <i>ACS Omega</i> , 2018, 3, 14858-14868.	3.5	20
47	n-Butyl levulinate synthesis using lipase catalysis: comparison of batch reactor versus continuous flow packed bed tubular microreactor. <i>Journal of Flow Chemistry</i> , 2018, 8, 97-105.	1.9	18
48	Selective Synthesis of Hydrocinnamaldehyde over Bimetallic Ni-Cu Nanocatalyst Supported on Graphene Oxide. <i>Industrial & Engineering Chemistry Research</i> , 2018, 57, 9083-9093.	3.7	31
49	Effect of Supercritical CO ₂ as Reaction Medium for Selective Hydrogenation of Acetophenone to 1-Phenylethanol. <i>ACS Omega</i> , 2018, 3, 7124-7132.	3.5	23
50	K-La-MgO as heterogeneous catalyst for synthesis of 3-(2-hydroxyethyl)-1,3-oxazolidin-2-one from diethanol amine and carbon dioxide. <i>Clean Technologies and Environmental Policy</i> , 2018, 20, 1875-1888.	4.1	2
51	A Green Process for Synthesis of Geraniol Esters by Immobilized Lipase from <i>Candida Antarctica B</i> Fraction in Non-Aqueous Reaction Media: Optimization and Kinetic Modeling. <i>International Journal of Chemical Reactor Engineering</i> , 2018, 16, .	1.1	8
52	Insight into Acetylation of Anisyl Alcohol Using 20% (w/w) Cs ₂ H _{0.5} PW12O ₄₀ Supported on Mesocellular Foam (MCF) Silica. <i>Current Catalysis</i> , 2018, 7, 176-184.	0.5	1
53	Selectivity engineering in hydroxyalkoxylation of phenol by ethylene carbonate using calcined hydrotalcite. <i>Clean Technologies and Environmental Policy</i> , 2017, 19, 1413-1422.	4.1	5
54	Novel Silica-Encapsulated Cu-Al Hydrotalcite Catalyst: Oxidative Decarboxylation of Vanillyl Mandelic Acid to Vanillin in Water at Atmospheric Pressure. <i>Industrial & Engineering Chemistry Research</i> , 2017, 56, 12899-12908.	3.7	13

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55	Novel alkali-promoted hydrotalcite for selective synthesis of 2-methoxy phenyl benzoate from guaiacol and benzoic anhydride. <i>Clean Technologies and Environmental Policy</i> , 2017, 19, 1169-1180.	4.1	5
56	Green Synthesis of Veratraldehyde Using Potassium Promoted Lanthanum–Magnesium Mixed Oxide Catalyst. <i>Organic Process Research and Development</i> , 2017, 21, 1012-1020.	2.7	13
57	Selective synthesis of 1-(1-naphthoxy)-2,3-epoxypropane from 1-naphthol and epichlorohydrin under solid–liquid phase transfer catalysis: a waste minimization strategy. <i>Clean Technologies and Environmental Policy</i> , 2017, 19, 1223-1230.	4.1	3
58	Activity and selectivity of different base catalysts in synthesis of guaifenesin from guaiacol and glycidol of biomass origin. <i>Catalysis Today</i> , 2017, 291, 213-222.	4.4	11
59	One-pot synthesis of (pyridinyl)ethyl acetate using tandem catalyst prepared by co-immobilization of palladium and lipase on mesoporous foam: Optimization and kinetic modeling. <i>Chirality</i> , 2017, 29, 811-823.	2.6	8
60	Kinetic resolution of (R,S) phenyl glycidyl ether by red mung beans (<i>Vigna angularis</i>) epoxide hydrolases. <i>Biocatalysis and Agricultural Biotechnology</i> , 2017, 12, 260-265.	3.1	6
61	Solvothermal Synthesis of CuFe ₂ O ₄ @rGO: Efficient Catalyst for C–O Cross Coupling and Arylation Reaction under Ligand-Free Condition. <i>ChemistrySelect</i> , 2017, 2, 7150-7159.	1.5	16
62	Green synthetic route for perfumery compound (2-methoxyethyl) benzene using Li/MgO catalyst. <i>Journal of Chemical Sciences</i> , 2017, 129, 1771-1779.	1.5	3
63	Insight into solid-liquid phase transfer catalyzed synthesis of Mecoprop ester using K ₂ CO ₃ as base and development of new kinetic model involving liquid product and two solid co-products. <i>Journal of Chemical Sciences</i> , 2017, 129, 1677-1685.	1.5	2
64	Facile synthesis of dicamba ester over heterogeneous magnesium oxide and kinetic modelling. <i>Chemical Engineering Journal</i> , 2017, 309, 663-673.	12.7	4
65	Magnetically separable sulfated zirconia as highly active acidic catalysts for selective synthesis of ethyl levulinate from furfuryl alcohol. <i>Green Chemistry</i> , 2017, 19, 963-976.	9.0	87
66	Selectivity engineering of O-methylation of hydroxybenzenes with dimethyl carbonate using ionic liquid as catalyst. <i>Reaction Chemistry and Engineering</i> , 2016, 1, 330-339.	3.7	23
67	Novel aluminium exchanged dodecatungstophosphoric acid supported on K-10 clay as catalyst: benzoylation of diphenyl ether with benzoic anhydride. <i>RSC Advances</i> , 2016, 6, 49091-49100.	3.6	37
68	Novelty of <i>Penicillium camembertii</i> Lipase Supported on Glutaraldehyde Activated-SBA-15 Mesoporous Silica for Mono-Esterification of Bioglycerol in Non-Aqueous Media. <i>International Journal of Chemical Reactor Engineering</i> , 2016, 14, 919-928.	1.1	2
69	Palladium Nanoparticles Supported Carbon Based Graphene Oxide Monolith as Catalyst for Sonogashira Coupling and Hydrogenation of Nitrobenzene and Alkenes. <i>ChemistrySelect</i> , 2016, 1, 3954-3965.	1.5	25
70	La–Mg mixed oxide as a highly basic water resistant catalyst for utilization of CO ₂ in the synthesis of quinazoline-2,4(1H,3H)-dione. <i>RSC Advances</i> , 2016, 6, 111079-111089.	3.6	29
71	Biobased Green Process: Selective Hydrogenation of 5-Hydroxymethylfurfural to 2,5-Dimethyl Furan under Mild Conditions Using Pd-Cs _{2.5} H _{0.5} PW ₁₂ O ₄₀ /K-10 Clay. <i>ACS Sustainable Chemistry and Engineering</i> , 2016, 4, 4113-4123.	6.7	105
72	Green Synthesis of Vanillyl Mandelic Acid (Sodium Salt) from Guaiacol and Sodium Glyoxylate over Novel Silica Encapsulated Magnesium Hydroxide. <i>ACS Sustainable Chemistry and Engineering</i> , 2016, 4, 1974-1984.	6.7	13

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73	Synthesis and Characterization of Sulfonated Carbon-Based Graphene Oxide Monolith by Solvothermal Carbonization for Esterification and Unsymmetrical Ether Formation. ACS Sustainable Chemistry and Engineering, 2016, 4, 1963-1973.	6.7	84
74	Sol-gel synthesis and characterization of defect-free alumina films and its application in the preparation of supported ultrafiltration membranes. Journal of Sol-Gel Science and Technology, 2016, 77, 266-277.	2.4	11
75	Synthesis of novel titania membrane support via combustion synthesis route and its application in decolorization of aqueous effluent using microfiltration. Clean Technologies and Environmental Policy, 2016, 18, 139-149.	4.1	2
76	Kinetics and mechanism of regioselective monoacetylation of 3-aryloxy-1,2-propandiols using immobilized Candida antarctica lipase. Journal of Industrial and Engineering Chemistry, 2015, 31, 335-342.	5.8	14
77	Atom-Economical Selective-Ring-Opening Reaction of Glycidol with 1-Naphthol Catalyzed by Magnesium Silicate of a Biogenic Silica Source. Industrial & Engineering Chemistry Research, 2015, 54, 10245-10252.	3.7	5
78	Cascade Engineered Synthesis of β -Valerolactone, 1,4-Pentanediol, and 2-Methyltetrahydrofuran from Levulinic Acid Using Pd-Cu/ZrO ₂ Catalyst in Water as Solvent. ACS Sustainable Chemistry and Engineering, 2015, 3, 2619-2630.	6.7	61
79	Cascade engineered synthesis of ethyl benzyl acetoacetate and methyl isobutyl ketone (MIBK) on novel multifunctional catalyst. Journal of Molecular Catalysis A, 2015, 409, 171-182.	4.8	15
80	Arsenic and fluoride contaminated groundwaters: A review of current technologies for contaminants removal. Journal of Environmental Management, 2015, 162, 306-325.	7.8	427
81	Selective hydrogenation of 3,4-dimethoxybenzophenone in liquid phase over Pd/C catalyst in a slurry reactor. Canadian Journal of Chemical Engineering, 2014, 92, 2157-2165.	1.7	12
82	Microwave Assisted Enzymatic Kinetic Resolution of (\pm)-1-Phenyl-2-propyn-1-ol in Nonaqueous Media. BioMed Research International, 2014, 2014, 1-9.	1.9	14
83	Biomass derived chemicals: Environmentally benign process for oxidation of 5-hydroxymethylfurfural to 2,5-diformylfuran by using nano-fibrous Ag-OMS-2-catalyst. Applied Catalysis B: Environmental, 2014, 147, 293-301.	20.2	146
84	Selective mono-isopropylation of 1,3-propanediol with isopropyl alcohol using heteropoly acid supported on K-10 clay catalyst. Catalysis Today, 2014, 237, 54-61.	4.4	11
85	Synthesis of long alkyl chain ethers through etherification of ethylene glycol with 1-octene using heteropolyacid supported on K-10 clay. Applied Catalysis A: General, 2014, 477, 18-25.	4.3	13
86	Arsenic Removal from Natural Waters by Adsorption or Ion Exchange: An Environmental Sustainability Assessment. Industrial & Engineering Chemistry Research, 2014, 53, 18920-18927.	3.7	50
87	Novelty of Claisen-Schmidt condensation of biomass-derived furfural with acetophenone over solid super base catalyst. RSC Advances, 2014, 4, 63772-63778.	3.6	15
88	Graphene oxide and functionalized multi walled carbon nanotubes as epoxy curing agents: a novel synthetic approach to nanocomposites containing active nanostructured fillers. RSC Advances, 2014, 4, 49264-49272.	3.6	51
89	A green process for glycerol valorization to glycerol carbonate over heterogeneous hydrotalcite catalyst. Catalysis Today, 2014, 237, 47-53.	4.4	73
90	Enantioselective Enzymatic Hydrolysis of <i>rac</i> -Mandelonitrile to <i>R</i> -Mandelamide by Nitrile Hydratase Immobilized on Poly(vinyl alcohol)/Chitosan-Glutaraldehyde Support. Industrial & Engineering Chemistry Research, 2014, 53, 7986-7991.	3.7	28

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91	Pharmaceutical Industry Wastewater: Review of the Technologies for Water Treatment and Reuse. <i>Industrial & Engineering Chemistry Research</i> , 2014, 53, 11571-11592.	3.7	586
92	Process intensification in methane generation during anaerobic digestion of Napier grass using supercritical carbon dioxide combined with acid hydrolysis pre-treatment. <i>Canadian Journal of Chemical Engineering</i> , 2014, 92, 2176-2184.	1.7	8
93	Selectivity Engineered Friedel-Crafts Acylation of Guaiacol with Vinyl Acetate to Acetovanillone over Cesium-Modified Heteropolyacid Supported on K-10 Clay. <i>Industrial & Engineering Chemistry Research</i> , 2013, 52, 10627-10636.	3.7	11
94	Selective engineering using Mg-Al calcined hydrotalcite and microwave irradiation in mono-transesterification of diethyl malonate with cyclohexanol. <i>Chemical Engineering Journal</i> , 2013, 230, 547-557.	12.7	22
95	Atom Economical Green Synthesis of Chloromethyl-1,3-dioxolanes from Epichlorohydrin Using Supported Heteropolyacids. <i>Industrial & Engineering Chemistry Research</i> , 2013, 52, 6129-6137.	3.7	13
96	Selective Hydrogenation of Unsaturated Aldehydes and Ketones using Novel Manganese Oxide and Platinum Supported on Manganese Oxide Octahedral Molecular Sieves as Catalysts. <i>ChemCatChem</i> , 2013, 5, 506-512.	3.7	62
97	Selectivity engineering of solid base catalyzed O-methylation of 2-naphthol with dimethyl carbonate to 2-methoxynaphthalene. <i>Catalysis Today</i> , 2013, 207, 180-190.	4.4	20
98	Selective synthesis of natural benzaldehyde by hydrolysis of cinnamaldehyde using novel hydrotalcite catalyst. <i>Catalysis Today</i> , 2013, 207, 162-169.	4.4	33
99	Solventless green synthesis of 4-O-aryloxy carbonates from aryl/alkyl-oxy propanediols and dimethyl carbonate over nano-crystalline alkali promoted alkaline earth metal oxides. <i>Catalysis Science and Technology</i> , 2013, 3, 2668.	4.1	14
100	Novelties of low energy microwave-irradiated tri-liquid phase transfer catalysis (MILL-PTC): halo-exchange of benzyl chloride with sodium bromide. <i>Clean Technologies and Environmental Policy</i> , 2012, 14, 709-718.	4.1	4
101	Dodecatungstophosphoric Acid Supported on Acidic Clay Catalyst for Disproportionation of Ethylbenzene in the Presence of C8 Aromatics. <i>Industrial & Engineering Chemistry Research</i> , 2012, 51, 1209-1217.	3.7	11
102	Insight into microwave irradiation and enzyme catalysis in enantioselective resolution of dl-(A)-3-phenyllactic acid. <i>Applied Microbiology and Biotechnology</i> , 2012, 96, 69-79.	3.6	24
103	Hydrogenolysis of Glycerol to 1,2-Propanediol over Nano-Fibrous Ag-OMS-2 Catalysts. <i>Industrial & Engineering Chemistry Research</i> , 2012, 51, 1549-1562.	3.7	66
104	Population balance modeling and simulation of liquid-liquid phase transfer catalyzed synthesis of mandelic acid from benzaldehyde. <i>AIChE Journal</i> , 2012, 58, 3799-3809.	3.6	6
105	Atom-Efficient Benzoin Condensation in Liquid-Liquid System Using Quaternary Ammonium Salts: Pseudo-Phase Transfer Catalysis. <i>Organic Process Research and Development</i> , 2012, 16, 755-763.	2.7	15
106	Synergism between microwave irradiation and enzyme catalysis in transesterification of ethyl-3-phenylpropanoate with n-butanol. <i>Bioresource Technology</i> , 2012, 109, 1-6.	9.6	57
107	Aldol condensation of benzaldehyde with heptanal to jasminaldehyde over novel Mg-Al mixed oxide on hexagonal mesoporous silica. <i>Journal of Molecular Catalysis A</i> , 2012, 355, 142-154.	4.8	55
108	Green etherification of bioglycerol with 1-phenyl ethanol over supported heteropolyacid. <i>Clean Technologies and Environmental Policy</i> , 2012, 14, 85-95.	4.1	29

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109	Kinetic Modeling and Statistical Optimization of Lipase Catalyzed Enantioselective Resolution of (R,S)-2-pentanol. <i>Industrial & Engineering Chemistry Research</i> , 2011, 50, 12975-12983.	3.7	28
110	Prediction of Liquid-Liquid Equilibria for Biofuel Applications by Quantum Chemical Calculations Using the Cosmo-SAC Method. <i>Industrial & Engineering Chemistry Research</i> , 2011, 50, 13066-13075.	3.7	39
111	Optimization and kinetic modeling of lipase catalyzed enantioselective N-acetylation of (S)-Tyrosine. <i>Biotechnology</i> , 2011, 86, 739-748.	3.2	27
112	Synthesis of n-butyl acetamide over immobilized lipase. <i>Journal of Chemical Technology and Biotechnology</i> , 2009, 84, 420-426.	3.2	20
113	Synthesis of carvacrol by Friedel-Crafts alkylation of cresol with isopropanol using superacidic catalyst UDCa-5. <i>Journal of Chemical Technology and Biotechnology</i> , 2009, 84, 1499-1508.	3.2	28
114	Liquid-liquid phase-transfer catalysis for cleaner and selective etherification of p-hydroxy-biphenyl with benzyl chloride to 1,1'-biphenyl-4-(phenylmethoxy). <i>Clean Technologies and Environmental Policy</i> , 2009, 11, 163-172.	4.1	5
115	Selectivity engineering in isopropylation of mesitylene with isopropyl alcohol over cesium substituted heteropolyacid supported on K-10 clay. <i>Clean Technologies and Environmental Policy</i> , 2009, 11, 447-457.	4.1	4
116	Transesterification of Edible and Nonedible Vegetable Oils with Alcohols over Heteropolyacids Supported on Acid-Treated Clay. <i>Industrial & Engineering Chemistry Research</i> , 2009, 48, 9408-9415.	3.7	45
117	UDCa-5: A Novel Mesoporous Superacid Catalyst in the Selective Synthesis of Linear Phenyldecanes by the Alkylation of Benzene with 1-Dodecene. <i>Industrial & Engineering Chemistry Research</i> , 2009, 48, 10803-10809.	3.7	18
118	Insight into microwave irradiation and enzyme catalysis in enantioselective resolution of RS-Tyrosine. <i>Biotechnology</i> , 2009, 86, 739-748.	3.2	42
119	Engineering Selectivity in Novel Synthesis of 3-(Phenylmethoxy)phenol from Resorcinol and Benzyl Chloride under Liquid-Liquid Phase Transfer Catalysis. <i>Organic Process Research and Development</i> , 2008, 12, 755-764.	2.7	5
120	Zirconia-Modified Superacid UDCa-5: An Efficient and Versatile Catalyst for Alkylation Reactions under Solvent-Free Conditions. <i>Synthetic Communications</i> , 2008, 38, 2684-2691.	2.1	3
121	Novelties of Solid-Liquid Phase Transfer Catalyzed Synthesis of Triclosan from Potassium 2,4-Dichlorophenolate and 2,5-Dichlorophenol. <i>Industrial & Engineering Chemistry Research</i> , 2008, 47, 9055-9060.	3.7	2
122	UDCa-5: A Novel and Efficient Solid Superacid Catalyst for Claisen Rearrangement of Substituted Allyl Phenyl Ethers. <i>Synthetic Communications</i> , 2007, 37, 941-946.	2.1	3
123	Some Items of Interest to Process R&D Chemists and Engineers. <i>Organic Process Research and Development</i> , 2007, 11, 928-939.	2.7	0
124	Intensification of Rates and Selectivity Using Tri-liquid versus Bi-liquid Phase Transfer Catalysis: Insight into Reduction of 4-Nitro-o-xylene with Sodium Sulfide. <i>Industrial & Engineering Chemistry Research</i> , 2007, 46, 2951-2961.	3.7	20
125	Selectivity Engineering of Cation-Exchange Resins over Inorganic Solid Acids in C-Alkylation of Guaiacol with Cyclohexene. <i>Industrial & Engineering Chemistry Research</i> , 2007, 46, 3119-3127.	3.7	14
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