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Combined effects of ultrasound and immobilization protocol on butyl acetate synthesis catalyzed by CALB

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#	Paper	IF	Citations
40	Editorial: Special issue--Enzyme immobilization. <i>Molecules</i> , 2014 , 19, 20671-4	4.8	3
39	Green synthesis of isopropyl myristate in novel single phase medium Part I: Batch optimization studies. <i>Biotechnology Reports (Amsterdam, Netherlands)</i> , 2015 , 8, 133-137	5.3	16
38	Use of Lecitase-Ultra immobilized on styrene-divinylbenzene beads as catalyst of esterification reactions: Effects of ultrasounds. <i>Catalysis Today</i> , 2015 , 255, 27-32	5.3	17
37	Analysis of process intensification in enzyme catalyzed reactions using ultrasound. <i>Chemical Engineering and Processing: Process Intensification</i> , 2016 , 110, 106-113	3.7	17
36	Pickering Emulsion as an Efficient Platform for Enzymatic Reactions without Stirring. <i>ACS Sustainable Chemistry and Engineering</i> , 2016 , 4, 6838-6843	8.3	83
35	Isoquercitrin production from rutin catalyzed by naringinase under ultrasound irradiation. <i>Journal of Molecular Catalysis B: Enzymatic</i> , 2016 , 134, 186-195		12
34	Ultrasound enhances lipase-catalyzed synthesis of poly (ethylene glutarate). <i>Ultrasonics Sonochemistry</i> , 2016 , 31, 506-11	8.9	37
33	Techno-economic evaluation of an ultrasound-assisted Enzymatic Reactive Distillation process. <i>Computers and Chemical Engineering</i> , 2017 , 105, 123-131	4	6
32	An investigation of lipase catalysed sonochemical synthesis: A review. <i>Ultrasonics Sonochemistry</i> , 2017 , 38, 503-529	8.9	59
31	Equilibrium and thermodynamic parameters for heterogeneous esterification of butyric acid with methanol under microwave irradiation. <i>Resource-efficient Technologies</i> , 2017 , 3, 64-70	2	12
30	Lipase-ultrasound assisted synthesis of polyesters. <i>Ultrasonics Sonochemistry</i> , 2017 , 38, 496-502	8.9	28
29	Does ultrasound improve the activity of alpha amylase? A comparative study towards a tailor-made enzymatic hydrolysis of starch. <i>LWT - Food Science and Technology</i> , 2017 , 84, 674-685	5.4	13
28	Enzyme kinetics for the transesterification of ethyl butyrate with enzyme beads, coated packing and ultrasound assistance. <i>Chemical Engineering and Processing: Process Intensification</i> , 2017 , 111, 25-34	3.7	11
27	Intensification of Lipase-Catalyzed Esterification using Ultrasound: Process Engineering Perspectives. <i>Chemie-Ingenieur-Technik</i> , 2017 , 89, 1367-1373	0.8	0
26	Special Issue: Enzyme Immobilization 2016. <i>Molecules</i> , 2017 , 22,	4.8	4
25	Enhancement in synthesis of ethyl laurate catalyzed by fermyase by combined effect of ultrasound and stage wise addition of ethanol. <i>Chemical Engineering and Processing: Process Intensification</i> , 2018 , 125, 207-213	3.7	13
24	Transesterification of Waste Frying Oil and Soybean Oil by Combi-lipases Under Ultrasound-Assisted Reactions. <i>Applied Biochemistry and Biotechnology</i> , 2018 , 186, 576-589	3.2	52

23	Ultrasound-assisted emerging technologies for chemical processes. <i>Journal of Chemical Technology and Biotechnology</i> , 2018 , 93, 1219-1227	3.5	23
22	Ultrasound assisted synthesis of citronellol laurate by using Novozym 435. <i>Catalysis Today</i> , 2018 , 309, 133-139	5.3	17
21	Ultrasound-assisted lipase catalyzed hydrolysis of aspirin methyl ester. <i>Ultrasonics Sonochemistry</i> , 2018 , 40, 587-593	8.9	13
20	Insight into the <i>Rhizomucor miehei</i> lipase supported on chitosan-chitin nanowhiskers assisted esterification of eugenol to eugenyl benzoate. <i>Journal of Biotechnology</i> , 2018 , 280, 19-30	3.7	25
19	Performance of Different Immobilized Lipases in the Syntheses of Short- and Long-Chain Carboxylic Acid Esters by Esterification Reactions in Organic Media. <i>Molecules</i> , 2018 , 23,	4.8	21
18	From agro-waste to tool: biotechnological characterization and application of E47 laccase in dye decolorization. <i>3 Biotech</i> , 2019 , 9, 213	2.8	6
17	Novozym 435: the perfect lipase immobilized biocatalyst?. <i>Catalysis Science and Technology</i> , 2019 , 9, 2380-2420	5.5	241
16	Ethyl Butyrate Synthesis Catalyzed by Lipases A and B from Immobilized onto Magnetic Nanoparticles. Improvement of Biocatalysts' Performance under Ultrasonic Irradiation. <i>International Journal of Molecular Sciences</i> , 2019 , 20,	6.3	29
15	Synthesis of Enantiomerically Pure 5,6-Dihydropyran-2-ones via Chemoenzymatic Sequential DKR-RCM Reaction. <i>European Journal of Organic Chemistry</i> , 2019 , 2019, 1653-1658	3.2	8
14	Biocatalytic esterification of fatty acids using a low-cost fermented solid from solid-state fermentation with. <i>3 Biotech</i> , 2019 , 9, 38	2.8	6
13	Microwave mediated lipase-catalyzed synthesis of n-butyl palmitate and thermodynamic studies. <i>Biocatalysis and Agricultural Biotechnology</i> , 2020 , 29, 101741	4.2	9
12	New insight into thermo-solvent tolerant lipase produced by <i>Streptomyces</i> sp. A3301 for re-polymerization of poly (dl-lactic acid). <i>Polymer</i> , 2020 , 204, 122812	3.9	5
11	Biodiesel and flavor compound production using a novel promiscuous cold-adapted SGNH-type lipase (SGNH1) from the psychrophilic bacterium. <i>Biotechnology for Biofuels</i> , 2020 , 13, 55	7.8	11
10	Immobilization of <i>Candida antarctica</i> Lipase on Nanomaterials and Investigation of the Enzyme Activity and Enantioselectivity. <i>Applied Biochemistry and Biotechnology</i> , 2021 , 193, 430-445	3.2	8
9	PTFE-Carbon Nanotubes and Lipase B from -Long-Lasting Marriage for Ultra-Fast and Fully Selective Synthesis of Levulinate Esters. <i>Materials</i> , 2021 , 14,	3.5	4
8	Lipozyme 435-Mediated Synthesis of Xylose Oleate in Methyl Ethyl Ketone. <i>Molecules</i> , 2021 , 26,	4.8	5
7	Process intensification using immobilized enzymes for the development of white biotechnology. <i>Catalysis Science and Technology</i> , 2021 , 11, 1994-2020	5.5	4
6	Simplified Method to Optimize Enzymatic Esters Syntheses in Solvent-Free Systems: Validation Using Literature and Experimental Data. <i>Catalysts</i> , 2021 , 11, 1357	4	1

5	Process Intensification of Enzymatic Synthesis of Flavor Esters: A Review. <i>Chemical Record</i> , 2021 ,	6.6	3
4	Production of Jet Biofuels by Catalytic Hydroprocessing of Esters and Fatty Acids: A Review. <i>Catalysts</i> , 2022 , 12, 237	4	1
3	Continuous Production of DHA and EPA Ethyl Esters via Lipase-Catalyzed Transesterification in an Ultrasonic Packed-Bed Bioreactor. <i>Catalysts</i> , 2022 , 12, 404	4	0
2	Enzymatic Synthesis of Fatty Acid Isoamyl Monoesters from Soybean Oil Deodorizer Distillate: A Renewable and Ecofriendly Base Stock for Lubricant Industries.. <i>Molecules</i> , 2022 , 27,	4.8	1
1	Ultrasound Plus Vacuum-System-Assisted Biocatalytic Synthesis of Octyl Cinnamate and Response Surface Methodology Optimization. 2022 , 27, 7148		0