

# CITATION REPORT

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Ultrasound technology and molecular sieves improve the thermodynamically controlled esterification of butyric acid mediated by immobilized lipase from *Rhizomucor miehei*

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#	Paper	IF	Citations
69	Influence of Sonication on the Stability and Thermal Properties of Al <sub>2</sub> O <sub>3</sub> Nanofluids. <i>Journal of Nanomaterials</i> , <b>2014</b> , 2014, 1-10	3.2	23
68	Ultrasound assisted lipase catalysed synthesis of isoamyl butyrate. <i>Process Biochemistry</i> , <b>2014</b> , 49, 1297-1303	4.3	67
67	Combined effects of ultrasound and immobilization protocol on butyl acetate synthesis catalyzed by CALB. <i>Molecules</i> , <b>2014</b> , 19, 9562-76	4.8	36
66	Lipase-catalyzed regioselective synthesis of flavone C-glucosides esters and high-efficiency oil-soluble antioxidant of bamboo leaves (eAOB-o). <i>European Journal of Lipid Science and Technology</i> , <b>2015</b> , 117, 1636-1646	3	6
65	Green synthesis of isopropyl myristate in novel single phase medium Part I: Batch optimization studies. <i>Biotechnology Reports (Amsterdam, Netherlands)</i> , <b>2015</b> , 8, 133-137	5.3	16
64	Use of Lecitase-Ultra immobilized on styrene-divinylbenzene beads as catalyst of esterification reactions: Effects of ultrasounds. <i>Catalysis Today</i> , <b>2015</b> , 255, 27-32	5.3	17
63	Novozym <sup>®</sup> 435-catalyzed production of ascorbyl oleate in organic solvent ultrasound-assisted system. <i>Biocatalysis and Agricultural Biotechnology</i> , <b>2015</b> , 4, 514-520	4.2	13
62	Ultrasound enhanced laccase applications. <i>Green Chemistry</i> , <b>2015</b> , 17, 1362-1374	10	42
61	Optimization of Enzymatic Synthesis of n-Propyl Acetate (Fruit Flavor Ester) [Effect of the Support on the Properties of Biocatalysts. <i>Chemical Engineering Communications</i> , <b>2016</b> , 203, 1432-1442	2.2	2
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59	Short-chain aliphatic ester synthesis using Thermobifida fusca cutinase. <i>Food Chemistry</i> , <b>2016</b> , 206, 131-135	6.5	13
58	Ultrasound enhances lipase-catalyzed synthesis of poly (ethylene glutarate). <i>Ultrasonics Sonochemistry</i> , <b>2016</b> , 31, 506-11	8.9	37
57	Preparation of a biocatalyst via physical adsorption of lipase from Thermomyces lanuginosus on hydrophobic support to catalyze biolubricant synthesis by esterification reaction in a solvent-free system. <i>Enzyme and Microbial Technology</i> , <b>2016</b> , 84, 56-67	3.8	105
56	An investigation of lipase catalysed sonochemical synthesis: A review. <i>Ultrasonics Sonochemistry</i> , <b>2017</b> , 38, 503-529	8.9	59
55	Experimental and Modeling Study of Esterification Reaction for Synthesis of Butyl Butyrate: Desirability Function Approach for Optimization and Prediction Comparative Study of RSM and ANN. <i>International Journal of Chemical Reactor Engineering</i> , <b>2017</b> , 15,	1.2	3
54	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> , <b>2017</b> , 84, 674-685	5.4	13
53	Enzymatic synthesis of ascorbyl ester derived from linoleic acid. <i>Bioprocess and Biosystems Engineering</i> , <b>2017</b> , 40, 265-270	3.7	5

52	Optimization of biodiesel synthesis by esterification using a fermented solid produced by <i>Rhizopus microsporus</i> on sugarcane bagasse. <i>Bioprocess and Biosystems Engineering</i> , <b>2018</b> , 41, 573-583	3.7	18
51	Kinetic and thermodynamic studies on the enzymatic synthesis of wax ester catalyzed by lipase immobilized on glutaraldehyde-activated rice husk particles. <i>Bioprocess and Biosystems Engineering</i> , <b>2018</b> , 41, 991-1002	3.7	28
50	Enzymatic esterification of eugenol and benzoic acid by a novel chitosan-chitin nanowhiskers supported <i>Rhizomucor miehei</i> lipase: Process optimization and kinetic assessments. <i>Enzyme and Microbial Technology</i> , <b>2018</b> , 108, 42-52	3.8	31
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47	Novozym 40086 as a novel biocatalyst to improve benzyl cinnamate synthesis.. <i>RSC Advances</i> , <b>2018</b> , 8, 37184-37192	3.7	8
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40	Virus-like organosilica nanoparticles for lipase immobilization: Characterization and biocatalytic applications. <i>Biochemical Engineering Journal</i> , <b>2019</b> , 144, 125-134	4.2	24
39	Novel Combi-lipase Systems for Fatty Acid Ethyl Esters Production. <i>Catalysts</i> , <b>2019</b> , 9, 546	4	23
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37	Novozym 435: the perfect lipase immobilized biocatalyst?. <i>Catalysis Science and Technology</i> , <b>2019</b> , 9, 2380-2420	5.5	241
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35	Optimized procedure for the preparation of an enzymatic nanocatalyst to produce a bio-lubricant from waste cooking oil. <i>Chemical Engineering Journal</i> , <b>2019</b> , 377, 120273	14.7	29

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33	Regioselective Synthesis of Palm-Based Sorbitol Esters as Biobased Surfactant by Lipase from <i>Thermomyces lanuginosus</i> in Nonaqueous Media. <i>Journal of Surfactants and Detergents</i> , <b>2020</b> , 23, 1067-1077	1.9	2
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29	A Review on Oil-Based Nanofluid as Next-Generation Insulation for Transformer Application. <i>Journal of Nanomaterials</i> , <b>2020</b> , 2020, 1-17	3.2	20
28	Production of volatile compounds by yeasts using hydrolysed grape seed oil obtained by immobilized lipases in continuous packed-bed reactors. <i>Bioprocess and Biosystems Engineering</i> , <b>2020</b> , 43, 1391-1402	3.7	1
27	Sustainable Enzymatic Synthesis of a Solketal Ester Process Optimization and Evaluation of Its Antimicrobial Activity. <i>Catalysts</i> , <b>2020</b> , 10, 218	4	12
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21	Reviewing research on the synthesis of CALB-catalyzed sugar esters incorporating systematic mapping principles. <i>Critical Reviews in Biotechnology</i> , <b>2021</b> , 41, 865-878	9.4	3
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17	Ultrasound-assisted lipase catalyzed synthesis of propyl caprate: Process optimization, kinetic, and thermodynamic evaluation. <i>Chemical Engineering and Processing: Process Intensification</i> , <b>2021</b> , 169, 108633	3.7	2

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