List of Publications by Year in descending order

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#	Article	IF	CITATIONS
1	Enzyme co-immobilization: Always the biocatalyst designers' choice…or not?. Biotechnology Advances, 2021, 51, 107584.	11.7	152
2	Enzymatic clarification of orange juice in continuous bed reactors: Fluidized-bed versus packed-bed reactor. Catalysis Today, 2021, 362, 184-191.	4.4	21
3	Effect of Tris Buffer in the Intensity of the Multipoint Covalent Immobilization of Enzymes in Glyoxyl-Agarose Beads. Applied Biochemistry and Biotechnology, 2021, 193, 2843-2857.	2.9	10
4	Aqueous Extraction of Seed Oil from Mamey Sapote (Pouteria sapota) after Viscozyme L Treatment. Catalysts, 2021, 11, 748.	3.5	9
5	Aqueous enzymatic extraction of Ricinus communis seeds oil using Viscozyme L. Industrial Crops and Products, 2021, 170, 113811.	5.2	25
6	Stabilization of enzymes via immobilization: Multipoint covalent attachment and other stabilization strategies. Biotechnology Advances, 2021, 52, 107821.	11.7	280
7	Pectin lyase immobilization using the glutaraldehyde chemistry increases the enzyme operation range. Enzyme and Microbial Technology, 2020, 132, 109397.	3.2	63
8	Enzyme production of <scp>d</scp> -gluconic acid and glucose oxidase: successful tales of cascade reactions. Catalysis Science and Technology, 2020, 10, 5740-5771.	4.1	80
9	One Pot Use of Combilipases for Full Modification of Oils and Fats: Multifunctional and Heterogeneous Substrates. Catalysts, 2020, 10, 605.	3.5	55
10	Production and characterization of biodiesel from oil of fish waste by enzymatic catalysis. Renewable Energy, 2020, 153, 1346-1354.	8.9	67
11	Production and optimization of isopropyl palmitate via biocatalytic route using homeâ€made enzymatic catalysts. Journal of Chemical Technology and Biotechnology, 2019, 94, 389-397.	3.2	16
12	Preparation of immobilized/stabilized biocatalysts of βâ€glucosidases from different sources: Importance of the support active groups and the immobilization protocol. Biotechnology Progress, 2019, 35, e2890.	2.6	5
13	Optimized immobilization of polygalacturonase from Aspergillus niger following different protocols: Improved stability and activity under drastic conditions. International Journal of Biological Macromolecules, 2019, 138, 234-243.	7.5	41
14	Stability/activity features of the main enzyme components of rohapect 10L. Biotechnology Progress, 2019, 35, e2877.	2.6	10
15	Immobilization of pectinase on chitosan-magnetic particles: Influence of particle preparation protocol on enzyme properties for fruit juice clarification. Biotechnology Reports (Amsterdam,) Tj ETQq1 1 0.7	343 1 44rgB⁻	「/Osverlock 10
16	Physico-chemical properties, kinetic parameters, and glucose inhibition of several beta-glucosidases for industrial applications. Process Biochemistry, 2019, 78, 82-90.	3.7	14
17	Influence of reaction parameters in the polymerization between genipin and chitosan for enzyme immobilization. Process Biochemistry, 2019, 84, 73-80.	3.7	41
18	Lecitase ultra: A phospholipase with great potential in biocatalysis. Molecular Catalysis, 2019, 473, 110405.	2.0	43

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19	Immobilization of lipases on hydrophobic supports: immobilization mechanism, advantages, problems, and solutions. Biotechnology Advances, 2019, 37, 746-770.	11.7	409
20	Novozym 435: the "perfect―lipase immobilized biocatalyst?. Catalysis Science and Technology, 2019, 9, 2380-2420.	4.1	393
21	Immobilization and stabilization of different β-glucosidases using the glutaraldehyde chemistry: Optimal protocol depends on the enzyme. International Journal of Biological Macromolecules, 2019, 129, 672-678.	7.5	71
22	Comparison of acid, basic and enzymatic catalysis on the production of biodiesel after RSM optimization. Renewable Energy, 2019, 135, 1-9.	8.9	94
23	ULTRASOUND-ASSISTED TRANSESTERIFICATION OF SOYBEAN OIL USING COMBI-LIPASE BIOCATALYSTS. Brazilian Journal of Chemical Engineering, 2019, 36, 995-1005.	1.3	17
24	STABILIZATION STUDY OF TETRAMERIC Kluyveromyces lactis β-GALACTOSIDASE BY IMMOBILIZATION ON IMMOBEAD: THERMAL, PHYSICO-CHEMICAL, TEXTURAL AND CATALYTIC PROPERTIES. Brazilian Journal of Chemical Engineering, 2019, 36, 1403-1417.	1.3	4
25	Transesterification of Waste Frying Oil and Soybean Oil by Combi-lipases Under Ultrasound-Assisted Reactions. Applied Biochemistry and Biotechnology, 2018, 186, 576-589.	2.9	63
26	Magnetic biocatalysts of pectinase and cellulase: Synthesis and characterization of two preparations for application in grape juice clarification. International Journal of Biological Macromolecules, 2018, 115, 35-44.	7.5	55
27	Enzymatic synthesis of ethyl esters from waste oil using mixtures of lipases in a plugâ€flow packedâ€bed continuous reactor. Biotechnology Progress, 2018, 34, 952-959.	2.6	36
28	Modification of Immobead 150 support for protein immobilization: Effects on the properties of immobilized <i>Aspergillus oryzae</i> βâ€galactosidase. Biotechnology Progress, 2018, 34, 934-943.	2.6	17
29	Preparation and characterization of cross-linked enzyme aggregates of dextransucrase from Leuconostoc mesenteroides B-512F. Process Biochemistry, 2018, 71, 101-108.	3.7	9
30	A new bioprocess for the production of prebiotic lactosucrose by an immobilized β-galactosidase. Process Biochemistry, 2017, 55, 96-103.	3.7	53
31	Directed immobilization of CGTase: The effect of the enzyme orientation on the enzyme activity and its use in packed-bed reactor for continuous production of cyclodextrins. Process Biochemistry, 2017, 58, 120-127.	3.7	22
32	Effects of immobilization, pH and reaction time in the modulation of α-, β- or γ-cyclodextrins production by cyclodextrin glycosyltransferase: Batch and continuous process. Carbohydrate Polymers, 2017, 169, 41-49.	10.2	16
33	Effect of feather meal as proteic feeder on combi-CLEAs preparation for grape juice clarification. Process Biochemistry, 2017, 62, 122-127.	3.7	18
34	Combination of ultrasound, enzymes and mechanical stirring: A new method to improve Vitis vinifera Cabernet Sauvignon must yield, quality and bioactive compounds. Food and Bioproducts Processing, 2017, 105, 197-204.	3.6	16
35	Polyethylenimine: a very useful ionic polymer in the design of immobilized enzyme biocatalysts. Journal of Materials Chemistry B, 2017, 5, 7461-7490.	5.8	228
36	Improvement of pectinase, xylanase and cellulase activities by ultrasound: Effects on enzymes and substrates, kinetics and thermodynamic parameters. Process Biochemistry, 2017, 61, 80-87.	3.7	51

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37	Immobilization of Glycoside Hydrolase Families GH1, GH13, and GH70: State of the Art and Perspectives. Molecules, 2016, 21, 1074.	3.8	47
38	Dextransucrase immobilized on activated-chitosan particles as a novel biocatalyst. Journal of Molecular Catalysis B: Enzymatic, 2016, 133, S143-S149.	1.8	8
39	Synthesis of butyl esters via ultrasound-assisted transesterification of macaúba (Acrocomia aculeata) acid oil using a biomass-derived fermented solid as biocatalyst. Journal of Molecular Catalysis B: Enzymatic, 2016, 133, S213-S219.	1.8	16
40	Chemical Modification in the Design of Immobilized Enzyme Biocatalysts: Drawbacks and Opportunities. Chemical Record, 2016, 16, 1436-1455.	5.8	183
41	Synergistic effects of Pectinex Ultra Clear and Lallzyme Beta on yield and bioactive compounds extraction of Concord grape juice. LWT - Food Science and Technology, 2016, 72, 157-165.	5.2	27
42	Identification of Bioactive Compounds From Vitis labrusca L. Variety Concord Grape Juice Treated With Commercial Enzymes: Improved Yield and Quality Parameters. Food and Bioprocess Technology, 2016, 9, 365-377.	4.7	40
43	Preparation and characterization of a Combi-CLEAs from pectinases and cellulases: a potential biocatalyst for grape juice clarification. RSC Advances, 2016, 6, 27242-27251.	3.6	55
44	Synthesis of butyl butyrate in batch and continuous enzymatic reactors using Thermomyces lanuginosus lipase immobilized in Immobead 150. Journal of Molecular Catalysis B: Enzymatic, 2016, 127, 67-75.	1.8	49
45	Chitosan crosslinked with genipin as support matrix for application in food process: Support characterization and β-d-galactosidase immobilization. Carbohydrate Polymers, 2016, 137, 184-190.	10.2	181
46	Importance of the Support Properties for Immobilization or Purification of Enzymes. ChemCatChem, 2015, 7, 2413-2432.	3.7	466
47	Use of Lecitase-Ultra immobilized on styrene-divinylbenzene beads as catalyst of esterification reactions: Effects of ultrasounds. Catalysis Today, 2015, 255, 27-32.	4.4	18
48	Enzymatic reactors for biodiesel synthesis: Present status and future prospects. Biotechnology Advances, 2015, 33, 511-525.	11.7	141
49	Optimization and characterization of CLEAs of the very thermostable dimeric peroxidase from Roystonea regia. RSC Advances, 2015, 5, 53047-53053.	3.6	5
50	Strategies for the one-step immobilization–purification of enzymes as industrial biocatalysts. Biotechnology Advances, 2015, 33, 435-456.	11.7	568
51	Continuous production of fructooligosaccharides and invert sugar by chitosan immobilized enzymes: Comparison between in fluidized and packed bed reactors. Journal of Molecular Catalysis B: Enzymatic, 2015, 111, 51-55.	1.8	45
52	The combined use of ultrasound and molecular sieves improves the synthesis of ethyl butyrate catalyzed by immobilized Thermomyces lanuginosus lipase. Ultrasonics Sonochemistry, 2015, 22, 89-94.	8.2	102
53	Optimization of ethyl ester production from olive and palm oils using mixtures of immobilized lipases. Applied Catalysis A: General, 2015, 490, 50-56.	4.3	75
54	Immobilization of Proteins in Poly-Styrene-Divinylbenzene Matrices: Functional Properties and Applications. Current Organic Chemistry, 2015, 19, 1707-1718.	1.6	62

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55	Immobilization of Thermomyces lanuginosus Lipase by Different Techniques on Immobead 150 Support: Characterization and Applications. Applied Biochemistry and Biotechnology, 2014, 172, 2507-2520.	2.9	32
56	Comparison of the performance of commercial immobilized lipases in the synthesis of different flavor esters. Journal of Molecular Catalysis B: Enzymatic, 2014, 105, 18-25.	1.8	58
57	Fructooligosaccharides synthesis by highly stable immobilized β-fructofuranosidase from Aspergillus aculeatus. Carbohydrate Polymers, 2014, 103, 193-197.	10.2	72
58	Glutaraldehyde in bio-catalysts design: a useful crosslinker and a versatile tool in enzyme immobilization. RSC Advances, 2014, 4, 1583-1600.	3.6	669
59	Amination of enzymes to improve biocatalyst performance: coupling genetic modification and physicochemical tools. RSC Advances, 2014, 4, 38350-38374.	3.6	117
60	Combi-lipase for heterogeneous substrates: a new approach for hydrolysis of soybean oil using mixtures of biocatalysts. RSC Advances, 2014, 4, 6863-6868.	3.6	77
61	Ultrasound technology and molecular sieves improve the thermodynamically controlled esterification of butyric acid mediated by immobilized lipase from Rhizomucor miehei. RSC Advances, 2014, 4, 8675.	3.6	74
62	Efficient purification-immobilization of an organic solvent-tolerant lipase from Staphylococcus warneri EX17 on porous styrene-divinylbenzene beads. Journal of Molecular Catalysis B: Enzymatic, 2014, 99, 51-55.	1.8	21
63	Improving the catalytic properties of immobilized Lecitase via physical coating with ionic polymers. Enzyme and Microbial Technology, 2014, 60, 1-8.	3.2	61
64	Stabilizing hyperactivated lecitase structures through physical treatment with ionic polymers. Process Biochemistry, 2014, 49, 1511-1515.	3.7	70
65	Combined Effects of Ultrasound and Immobilization Protocol on Butyl Acetate Synthesis Catalyzed by CALB. Molecules, 2014, 19, 9562-9576.	3.8	42
66	Evaluation of Styrene-Divinylbenzene Beads as a Support to Immobilize Lipases. Molecules, 2014, 19, 7629-7645.	3.8	62
67	Heterofunctional Supports in Enzyme Immobilization: From Traditional Immobilization Protocols to Opportunities in Tuning Enzyme Properties. Biomacromolecules, 2013, 14, 2433-2462.	5.4	429
68	Continuous production of β-cyclodextrin from starch by highly stable cyclodextrin glycosyltransferase immobilized on chitosan. Carbohydrate Polymers, 2013, 98, 1311-1316.	10.2	53
69	Multipoint covalent immobilization of lipases on aldehyde-activated support: Characterization and application in transesterification reaction. Journal of Molecular Catalysis B: Enzymatic, 2013, 94, 57-62.	1.8	26
70	Effect of immobilization protocol on optimal conditions of ethyl butyrate synthesis catalyzed by lipase B from <i>Candida antarctica</i> . Journal of Chemical Technology and Biotechnology, 2013, 88, 1089-1095.	3.2	63
71	Biotechnological prospects of the lipase from Mucor javanicus. Journal of Molecular Catalysis B: Enzymatic, 2013, 93, 34-43.	1.8	21
72	Optimization of synthesis of fatty acid methyl esters catalyzed by lipase B from Candida antarctica immobilized on hydrophobic supports. Journal of Molecular Catalysis B: Enzymatic, 2013, 94, 51-56.	1.8	52

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73	High operational stability of invertase from Saccharomyces cerevisiae immobilized on chitosan nanoparticles. Carbohydrate Polymers, 2013, 92, 462-468.	10.2	64
74	Ultrasound-assisted butyl acetate synthesis catalyzed by Novozym 435: Enhanced activity and operational stability. Ultrasonics Sonochemistry, 2013, 20, 1155-1160.	8.2	105
75	Improved production of butyl butyrate with lipase from Thermomyces lanuginosus immobilized on styrene–divinylbenzene beads. Bioresource Technology, 2013, 134, 417-422.	9.6	94
76	High stability of immobilized β-d-galactosidase for lactose hydrolysis and galactooligosaccharides synthesis. Carbohydrate Polymers, 2013, 95, 465-470.	10.2	90
77	Modifying enzyme activity and selectivity by immobilization. Chemical Society Reviews, 2013, 42, 6290-6307.	38.1	1,552
78	Optimized butyl butyrate synthesis catalyzed by <i>Thermomyces lanuginosus</i> lipase. Biotechnology Progress, 2013, 29, 1416-1421.	2.6	21
79	Hydrogen Peroxide in Biocatalysis. A Dangerous Liaison. Current Organic Chemistry, 2012, 16, 2652-2672.	1.6	133
80	Immobilization of lipase B from <i>Candida antarctica</i> on porous styrene–divinylbenzene beads improves butyl acetate synthesis. Biotechnology Progress, 2012, 28, 406-412.	2.6	66
81	Effect of the Support Size on the Properties of β-Galactosidase Immobilized on Chitosan: Advantages and Disadvantages of Macro and Nanoparticles. Biomacromolecules, 2012, 13, 2456-2464.	5.4	131
82	Optimized preparation of CALB-CLEAs by response surface methodology: The necessity to employ a feeder to have an effective crosslinking. Journal of Molecular Catalysis B: Enzymatic, 2012, 80, 7-14.	1.8	72
83	Optimization of pineapple flavour synthesis by esterification catalysed by immobilized lipase from <i>Rhizomucor miehei</i> . Flavour and Fragrance Journal, 2012, 27, 196-200.	2.6	37
84	Rapid and high yields of synthesis of butyl acetate catalyzed by Novozym 435: Reaction optimization by response surface methodology. Process Biochemistry, 2011, 46, 2311-2316.	3.7	104
85	Coupling Chemical Modification and Immobilization to Improve the Catalytic Performance of Enzymes. Advanced Synthesis and Catalysis, 2011, 353, 2216-2238.	4.3	329
86	Potential of Different Enzyme Immobilization Strategies to Improve Enzyme Performance. Advanced Synthesis and Catalysis, 2011, 353, 2885-2904.	4.3	1,389
87	Purification, immobilization, and characterization of a specific lipase from <i>Staphylococcus warneri</i> EX17 by enzyme fractionating via adsorption on different hydrophobic supports. Biotechnology Progress, 2011, 27, 717-723.	2.6	12
88	Effects of the combined use of Thermomyces lanuginosus and Rhizomucor miehei lipases for the transesterification and hydrolysis of soybean oil. Process Biochemistry, 2011, 46, 682-688.	3.7	102
89	Lipase from Rhizomucor miehei as an industrial biocatalyst in chemical process. Journal of Molecular Catalysis B: Enzymatic, 2010, 64, 1-22.	1.8	241
90	Lipase from Rhizomucor miehei as a biocatalyst in fats and oils modification. Journal of Molecular Catalysis B: Enzymatic, 2010, 66, 15-32.	1.8	225

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91	Complete reactivation of immobilized derivatives of a trimeric glutamate dehydrogenase from Thermus thermophillus. Process Biochemistry, 2010, 45, 107-113.	3.7	24
92	Two step ethanolysis: A simple and efficient way to improve the enzymatic biodiesel synthesis catalyzed by an immobilized–stabilized lipase from Thermomyces lanuginosus. Process Biochemistry, 2010, 45, 1268-1273.	3.7	70
93	Modulation of a lipase from Staphylococcus warneri EX17 using immobilization techniques. Journal of Molecular Catalysis B: Enzymatic, 2009, 60, 125-132.	1.8	20
94	Effects of oxygen volumetric mass transfer coefficient and pH on lipase production by Staphylococcus warneri EX17. Biotechnology and Bioprocess Engineering, 2009, 14, 105-111.	2.6	15
95	Positive effects of the multipoint covalent immobilization in the reactivation of partially inactivated derivatives of lipase from Thermomyces lanuginosus. Enzyme and Microbial Technology, 2009, 44, 386-393.	3.2	33
96	The presence of thiolated compounds allows the immobilization of enzymes on glyoxyl agarose at mild pH values: New strategies of stabilization by multipoint covalent attachment. Enzyme and Microbial Technology, 2009, 45, 477-483.	3.2	46
97	Improved reactivation of immobilized-stabilized lipase from Thermomyces lanuginosus by its coating with highly hydrophilic polymers. Journal of Biotechnology, 2009, 144, 113-119.	3.8	29
98	Reactivation of covalently immobilized lipase from Thermomyces lanuginosus. Process Biochemistry, 2009, 44, 641-646.	3.7	35
99	Immobilization–stabilization of the lipase from Thermomyces lanuginosus: Critical role of chemical amination. Process Biochemistry, 2009, 44, 963-968.	3.7	92
100	ESTUDO DAS CONDIÇÕES DE IMOBILIZAÇÃO DA LIPASE DE Thermomyces lanuginosus PARA A PRODUÇÃ DE BIODIESEL , 0, , .	0	0