

Denise Maria Guimarães Freire

List of Publications by Year in descending order

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250
papers

9,076
citations

38738

50
h-index

64791

79
g-index

256
all docs

256
docs citations

256
times ranked

7816
citing authors

#	ARTICLE	IF	CITATIONS
1	Immobilization of lipases on hydrophobic supports involves the open form of the enzyme. <i>Enzyme and Microbial Technology</i> , 2015, 71, 53-57.	3.2	429
2	Nanomaterials for biocatalyst immobilization – state of the art and future trends. <i>RSC Advances</i> , 2016, 6, 104675-104692.	3.6	267
3	A review on hydrolytic enzymes in the treatment of wastewater with high oil and grease content. <i>Bioresource Technology</i> , 2006, 97, 2195-2210.	9.6	265
4	Production of polyhydroxyalkanoates (PHAs) from waste materials and by-products by submerged and solid-state fermentation. <i>Bioresource Technology</i> , 2009, 100, 5996-6009.	9.6	263
5	Lipase production by <i>Penicillium restrictum</i> in solid-state fermentation using babassu oil cake as substrate. <i>Process Biochemistry</i> , 1999, 35, 85-90.	3.7	205
6	Gene regulation of rhamnolipid production in <i>Pseudomonas aeruginosa</i> – A review. <i>Bioresource Technology</i> , 2011, 102, 6377-6384.	9.6	183
7	Economic analysis of lipase production by <i>Penicillium restrictum</i> in solid-state and submerged fermentations. <i>Biochemical Engineering Journal</i> , 2000, 4, 239-247.	3.6	179
8	Biodiesel production from <i>Acrocomia aculeata</i> acid oil by (enzyme/enzyme) hydroesterification process: Use of vegetable lipase and fermented solid as low-cost biocatalysts. <i>Fuel</i> , 2014, 135, 315-321.	6.4	137
9	Production of an acidic and thermostable lipase of the mesophilic fungus <i>Penicillium simplicissimum</i> by solid-state fermentation. <i>Bioresource Technology</i> , 2009, 100, 5249-5254.	9.6	126
10	Effect of enzymatic hydrolysis on anaerobic treatment of dairy wastewater. <i>Process Biochemistry</i> , 2006, 41, 1173-1178.	3.7	122
11	Characterization of poly(3-hydroxybutyrate) produced by <i>Cupriavidus necator</i> in solid-state fermentation. <i>Bioresource Technology</i> , 2007, 98, 633-638.	9.6	119
12	Production and Use of Lipases in Bioenergy: A Review from the Feedstocks to Biodiesel Production. <i>Enzyme Research</i> , 2011, 2011, 1-16.	1.8	118
13	Current status and new developments of biodiesel production using fungal lipases. <i>Fuel</i> , 2015, 159, 52-67.	6.4	116
14	Improved production of biolubricants from soybean oil and different polyols via esterification reaction catalyzed by immobilized lipase from <i>Candida rugosa</i> . <i>Fuel</i> , 2018, 215, 705-713.	6.4	113
15	Rhamnolipid and surfactin: Anti-adhesion/antibiofilm and antimicrobial effects. <i>Food Control</i> , 2016, 63, 171-178.	5.5	102
16	From Structure to Catalysis: Recent Developments in the Biotechnological Applications of Lipases. <i>BioMed Research International</i> , 2014, 2014, 1-11.	1.9	99
17	Techno-economic evaluation of a complete bioprocess for 2,3-butanediol production from renewable resources. <i>Bioresource Technology</i> , 2016, 204, 55-64.	9.6	96
18	A brief review on the emerging technology of ethanol production by cold hydrolysis of raw starch. <i>Fuel</i> , 2015, 150, 721-729.	6.4	93

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19	Enzymatic pre-hydrolysis and anaerobic degradation of wastewaters with high fat contents. <i>Biotechnology Letters</i> , 2001, 23, 1591-1595.	2.2	92
20	Application of lipase from the physic nut (<i>Jatropha curcas</i> L.) to a new hybrid (enzyme/chemical) hydroesterification process for biodiesel production. <i>Journal of Molecular Catalysis B: Enzymatic</i> , 2010, 65, 133-137.	1.8	90
21	Characterization of rhamnolipids produced by wild-type and engineered <i>Burkholderia kururiensis</i> . <i>Applied Microbiology and Biotechnology</i> , 2013, 97, 1909-1921.	3.6	83
22	Response surface method to optimize the production and characterization of lipase from <i>Penicillium verrucosum</i> in solid-state fermentation. <i>Bioprocess and Biosystems Engineering</i> , 2008, 31, 119-125.	3.4	82
23	Evaluation of Different Carbon and Nitrogen Sources in Production of Rhamnolipids by a Strain of <i>Pseudomonas aeruginosa</i> . <i>Applied Biochemistry and Biotechnology</i> , 2002, 98-100, 1025-1036.	2.9	81
24	Accurel MP 1000 as a support for the immobilization of lipase from <i>Burkholderia cepacia</i> : Application to the kinetic resolution of myo-inositol derivatives. <i>Process Biochemistry</i> , 2015, 50, 1557-1564.	3.7	81
25	Surfactin reduces the adhesion of food-borne pathogenic bacteria to solid surfaces. <i>Letters in Applied Microbiology</i> , 2009, 49, 241-247.	2.2	78
26	Design of a core-shell support to improve lipase features by immobilization. <i>RSC Advances</i> , 2016, 6, 62814-62824.	3.6	76
27	Preparation of core-shell polymer supports to immobilize lipase B from <i>Candida antarctica</i> . <i>Journal of Molecular Catalysis B: Enzymatic</i> , 2014, 100, 59-67.	1.8	75
28	Enzymatic esterification of palm fatty-acid distillate for the production of polyol esters with biolubricant properties. <i>Industrial Crops and Products</i> , 2018, 116, 90-96.	5.2	74
29	Rhamnolipid and surfactin inhibit <i>Listeria monocytogenes</i> adhesion. <i>Food Research International</i> , 2011, 44, 481-488.	6.2	72
30	Influence of compressed fluids treatment on the activity of <i>Yarrowia lipolytica</i> lipase. <i>Journal of Molecular Catalysis B: Enzymatic</i> , 2006, 39, 117-123.	1.8	70
31	Enzymatic pre-hydrolysis applied to the anaerobic treatment of effluents from poultry slaughterhouses. <i>International Biodeterioration and Biodegradation</i> , 2007, 60, 219-225.	3.9	68
32	Production and Regulation of Lipase Activity from <i>Penicillium restrictum</i> in Submerged and Solid-State Fermentations. <i>Current Microbiology</i> , 2007, 54, 361-365.	2.2	68
33	Strategies of covalent immobilization of a recombinant <i>Candida antarctica</i> lipase B on pore-expanded SBA-15 and its application in the kinetic resolution of (R, S)-Phenylethyl acetate. <i>Journal of Molecular Catalysis B: Enzymatic</i> , 2016, 133, 246-258.	1.8	67
34	Use of a low-cost methodology for biodegradation of castor bean waste and lipase production. <i>Enzyme and Microbial Technology</i> , 2009, 44, 317-322.	3.2	66
35	Bioprocess development for biolubricant production using microbial oil derived via fermentation from confectionery industry wastes. <i>Bioresource Technology</i> , 2018, 267, 311-318.	9.6	65
36	Effect of Temperature, Moisture, and Carbon Supplementation on Lipase Production by Solid-State Fermentation of Soy Cake by <i>Penicillium simplicissimum</i> . <i>Applied Biochemistry and Biotechnology</i> , 2004, 113, 173-180.	2.9	64

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37	The Protagonism of Biocatalysis in Green Chemistry and Its Environmental Benefits. <i>Catalysts</i> , 2017, 7, 9.	3.5	64
38	Lipase Production by Solid-State Fermentation: Cultivation Conditions and Operation of Tray and Packed-Bed Bioreactors. <i>Applied Biochemistry and Biotechnology</i> , 2005, 121, 0105-0116.	2.9	62
39	<i>Bacillus amyloliquefaciens</i> TSBSO 3.8, a biosurfactant-producing strain with biotechnological potential for microbial enhanced oil recovery. <i>Colloids and Surfaces B: Biointerfaces</i> , 2015, 136, 14-21.	5.0	60
40	Lipase Production by <i>Penicillium restrictum</i> Using Solid Waste of Industrial Babassu Oil Production as Substrate. <i>Applied Biochemistry and Biotechnology</i> , 2000, 84-86, 1137-1146.	2.9	59
41	L-DOPA Production by Immobilized Tyrosinase. <i>Applied Biochemistry and Biotechnology</i> , 2000, 84-86, 791-800.	2.9	58
42	Study of Soybean Oil Hydrolysis Catalyzed by <i>Thermomyces lanuginosus</i> Lipase and Its Application to Biodiesel Production via Hydroesterification. <i>Enzyme Research</i> , 2011, 2011, 1-8.	1.8	58
43	Biosurfactant microfoam: Application in the removal of pollutants from soil. <i>Journal of Environmental Chemical Engineering</i> , 2015, 3, 89-94.	6.7	57
44	Production of lipases in cottonseed meal and application of the fermented solid as biocatalyst in esterification and transesterification reactions. <i>Renewable Energy</i> , 2019, 130, 574-581.	8.9	57
45	Influence of the raw material on the final properties of biodiesel produced using lipase from <i>Rhizomucor miehei</i> grown on babassu cake as biocatalyst of esterification reactions. <i>Renewable Energy</i> , 2017, 113, 112-118.	8.9	56
46	Purification and characterization of a surfactin-like molecule produced by <i>Bacillus</i> sp. H2O-1 and its antagonistic effect against sulfate reducing bacteria. <i>BMC Microbiology</i> , 2012, 12, 252.	3.3	55
47	Thermophilic protease production by <i>Streptomyces</i> sp. 594 in submerged and solid-state fermentations using feather meal. <i>Journal of Applied Microbiology</i> , 2006, 100, 641-647.	3.1	54
48	Enzymatic production and characterization of potential biolubricants from castor bean biodiesel. <i>Journal of Molecular Catalysis B: Enzymatic</i> , 2015, 122, 323-329.	1.8	53
49	Production of wax esters via microbial oil synthesis from food industry waste and by-product streams. <i>Bioresource Technology</i> , 2017, 245, 274-282.	9.6	53
50	Optimization of lipase production by <i>Penicillium simplicissimum</i> in soybean meal. <i>Journal of Chemical Technology and Biotechnology</i> , 2008, 83, 47-54.	3.2	51
51	Performance and molecular evaluation of an anaerobic system with suspended biomass for treating wastewater with high fat content after enzymatic hydrolysis. <i>Bioresource Technology</i> , 2009, 100, 6170-6176.	9.6	51
52	Adding value to a toxic residue from the biodiesel industry: production of two distinct pool of lipases from <i>Penicillium simplicissimum</i> in castor bean waste. <i>Journal of Industrial Microbiology and Biotechnology</i> , 2011, 38, 945-953.	3.0	51
53	Two-step enzymatic production of environmentally friendly biolubricants using castor oil: Enzyme selection and product characterization. <i>Fuel</i> , 2017, 202, 196-205.	6.4	51
54	Production and partial characterization of thermophilic proteases from <i>Streptomyces</i> sp. isolated from Brazilian cerrado soil. <i>Enzyme and Microbial Technology</i> , 2004, 34, 354-358.	3.2	48

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55	A Low-Cost Fermentation Medium for Thermophilic Protease Production by <i>Streptomyces</i> sp. 594 Using Feather Meal and Corn Steep Liquor. <i>Current Microbiology</i> , 2006, 53, 335-339.	2.2	48
56	Performance of a fixed-bed solid-state fermentation bioreactor with forced aeration for the production of hydrolases by <i>Aspergillus awamori</i> . <i>Biochemical Engineering Journal</i> , 2015, 93, 303-308.	3.6	46
57	Extraction of Phenolic Compounds from Palm Oil Processing Residues and Their Application as Antioxidants. <i>Food Technology and Biotechnology</i> , 2019, 57, 29-38.	2.1	46
58	Production of poly(3-hydroxybutyrate) by solid-state fermentation with <i>Ralstonia eutropha</i> . <i>Biotechnology Letters</i> , 2004, 26, 1851-1855.	2.2	45
59	Inoculum strategies for <i>Penicillium simplicissimum</i> lipase production by solid-state fermentation using a residue from the babassu oil industry. <i>Journal of Chemical Technology and Biotechnology</i> , 2007, 82, 313-318.	3.2	45
60	Enzymatic synthesis of neopentyl glycol-bases biolubricants using biodiesel from soybean and castor bean as raw materials. <i>Renewable Energy</i> , 2020, 148, 689-696.	8.9	45
61	Lipase production by solid-state fermentation in fixed-bed bioreactors. <i>Brazilian Archives of Biology and Technology</i> , 2005, 48, 79-84.	0.5	44
62	Use of biosurfactant in the removal of oil from contaminated sandy soil. <i>Journal of Chemical Technology and Biotechnology</i> , 2007, 82, 687-691.	3.2	44
63	Utilization of agroindustrial residues for lipase production by solid-state fermentation. <i>Brazilian Journal of Microbiology</i> , 2008, 39, 676-681.	2.0	44
64	Oxygen-controlled Biosurfactant Production in a Bench Scale Bioreactor. <i>Applied Biochemistry and Biotechnology</i> , 2008, 147, 33-45.	2.9	43
65	Profiles of fatty acids and triacylglycerols and their influence on the anaerobic biodegradability of effluents from poultry slaughterhouse. <i>Bioresource Technology</i> , 2011, 102, 7043-7050.	9.6	43
66	Fumaric acid production using renewable resources from biodiesel and cane sugar production processes. <i>Environmental Science and Pollution Research</i> , 2018, 25, 35960-35970.	5.3	42
67	Immobilization of <i>Yarrowia lipolytica</i> Lipase – a Comparison of Stability of Physical Adsorption and Covalent Attachment Techniques. <i>Applied Biochemistry and Biotechnology</i> , 2008, 146, 49-56.	2.9	41
68	Effect of Treatment with Compressed Propane on Lipases Hydrolytic Activity. <i>Food and Bioprocess Technology</i> , 2010, 3, 511-520.	4.7	40
69	Production of Biosurfactant from a New and Promising Strain of <i>Pseudomonas aeruginosa</i> PA1. <i>Applied Biochemistry and Biotechnology</i> , 2001, 91-93, 459-468.	2.9	39
70	Performance of anaerobic bioreactor treating fish-processing plant wastewater pre-hydrolyzed with a solid enzyme pool. <i>Renewable Energy</i> , 2011, 36, 3439-3444.	8.9	39
71	Influence of the Morphology of Core-Shell Supports on the Immobilization of Lipase B from <i>Candida antarctica</i> . <i>Molecules</i> , 2014, 19, 12509-12530.	3.8	38
72	Characterization of babassu, canola, castor seed and sunflower residual cakes for use as raw materials for fermentation processes. <i>Industrial Crops and Products</i> , 2016, 83, 140-148.	5.2	38

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73	Impact of enzymatic pre-hydrolysis on batch activated sludge systems dealing with oily wastewaters. <i>Biotechnology Letters</i> , 2002, 24, 1797-1802.	2.2	37
74	Biodiesel fuel production by the transesterification reaction of soybean oil using immobilized lipase. <i>Applied Biochemistry and Biotechnology</i> , 2007, 137-140, 105-114.	2.9	37
75	Valorization of Residual Agroindustrial Cakes by Fungal Production of Multienzyme Complexes and Their Use in Cold Hydrolysis of Raw Starch. <i>Waste and Biomass Valorization</i> , 2011, 2, 291-302.	3.4	37
76	A potential biodegradable lubricant from castor biodiesel esters. <i>Lubrication Science</i> , 2013, 25, 53-61.	2.1	37
77	Study of the Extraction, Concentration, and Partial Characterization of Lipases Obtained from <i>Penicillium verrucosum</i> using Solid-State Fermentation of Soybean Bran. <i>Food and Bioprocess Technology</i> , 2010, 3, 537-544.	4.7	36
78	Optimization of Magnetosome Production and Growth by the Magnetotactic <i>Vibrio Magnetovibrio blakemorei</i> Strain MV-1 through a Statistics-Based Experimental Design. <i>Applied and Environmental Microbiology</i> , 2013, 79, 2823-2827.	3.1	36
79	Displaying Lipase B from <i>Candida antarctica</i> in <i>Pichia pastoris</i> Using the Yeast Surface Display Approach: Prospection of a New Anchor and Characterization of the Whole Cell Biocatalyst. <i>PLoS ONE</i> , 2015, 10, e0141454.	2.5	36
80	Support engineering: relation between development of new supports for immobilization of lipases and their applications. <i>Biotechnology Research and Innovation</i> , 2017, 1, 26-34.	0.9	36
81	Enzymatic synthesis of biolubricants from by-product of soybean oil processing catalyzed by different biocatalysts of <i>Candida rugosa</i> lipase. <i>Catalysis Today</i> , 2021, 362, 122-129.	4.4	36
82	Strategies for improved rhamnolipid production by <i>Pseudomonas aeruginosa</i> PA1. <i>PeerJ</i> , 2016, 4, e2078.	2.0	36
83	Economic Analysis of the Production of Amylases and Other Hydrolases by <i>Aspergillus awamori</i> in Solid-State Fermentation of Babassu Cake. <i>Enzyme Research</i> , 2010, 2010, 1-9.	1.8	35
84	Valorisation of sugarcane molasses for the production of microbial lipids via fermentation of two <i>Rhodospiridium</i> strains for enzymatic synthesis of polyol esters. <i>Journal of Chemical Technology and Biotechnology</i> , 2020, 95, 402-407.	3.2	35
85	High-Yield <i>Bacillus subtilis</i> Protease Production by Solid-State Fermentation. <i>Applied Biochemistry and Biotechnology</i> , 2005, 121, 0311-0320.	2.9	33
86	Use of Mesophilic Fungal Amylases Produced by Solid-state Fermentation in the Cold Hydrolysis of Raw Babassu Cake Starch. <i>Applied Biochemistry and Biotechnology</i> , 2010, 162, 1612-1625.	2.9	33
87	Technological development of the bio-based 2,3-butanediol process. <i>Biofuels, Bioproducts and Biorefining</i> , 2021, 15, 357-376.	3.7	33
88	Valorisation of fruit and vegetable waste from open markets for the production of 2,3-butanediol. <i>Food and Bioproducts Processing</i> , 2018, 108, 27-36.	3.6	32
89	Microbial enhanced oil recovery potential of surfactin-producing <i>Bacillus subtilis</i> AB2.0. <i>Fuel</i> , 2020, 272, 117730.	6.4	32
90	Biosurfactant Production by <i>Rhodococcus erythropolis</i> Grown on Glycerol As Sole Carbon Source. <i>Applied Biochemistry and Biotechnology</i> , 2006, 131, 880-886.	2.9	31

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91	Immobilization of a recombinant thermostable esterase (Pf2001) from <i>Pyrococcus furiosus</i> on microporous polypropylene: Isotherms, hyperactivation and purification. <i>Biochemical Engineering Journal</i> , 2008, 39, 531-537.	3.6	31
92	Granular starch hydrolysis of babassu agroindustrial residue: A bioprocess within the context of biorefinery. <i>Fuel</i> , 2014, 124, 41-48.	6.4	31
93	Optimisation of 2,3-butanediol production by <i>Enterobacter ludwigii</i> using sugarcane molasses. <i>Biochemical Engineering Journal</i> , 2019, 152, 107370.	3.6	31
94	Enhanced rhamnolipid production by <i>Pseudomonas aeruginosa</i> overexpressing estA in a simple medium. <i>PLoS ONE</i> , 2017, 12, e0183857.	2.5	31
95	Efficient biohydrogen production via dark fermentation from hydrolyzed palm oil mill effluent by non-commercial enzyme preparation. <i>International Journal of Hydrogen Energy</i> , 2017, 42, 29166-29174.	7.1	30
96	Bioconversion of Sugarcane Vinasse into High-Added Value Products and Energy. <i>BioMed Research International</i> , 2017, 2017, 1-11.	1.9	30
97	Pilot-scale development of core-shell polymer supports for the immobilization of recombinant lipase B from <i>Candida antarctica</i> and their application in the production of ethyl esters from residual fatty acids. <i>Journal of Applied Polymer Science</i> , 2018, 135, 46727.	2.6	30
98	Enzyme Surface Glycosylation in the Solid Phase: Improved Activity and Selectivity of <i>Candida Antarctica</i> Lipase B. <i>ChemCatChem</i> , 2011, 3, 1902-1910.	3.7	29
99	An overview on advances of amylases production and their use in the production of bioethanol by conventional and non-conventional processes. <i>Biomass Conversion and Biorefinery</i> , 2011, 1, 245-255.	4.6	29
100	Biosurfactantes: propriedades anticorrosivas, antibiofilmes e antimicrobianas. <i>Quimica Nova</i> , 2013, 36, 848-858.	0.3	29
101	Core-shell Polymer Particles by Semibatch Combined Suspension Emulsion Polymerizations for Enzyme Immobilization. <i>Macromolecular Materials and Engineering</i> , 2014, 299, 135-143.	3.6	29
102	Application of rhamnolipid surfactant for remediation of toxic metals of long- and short-term contamination sites. <i>International Journal of Environmental Science and Technology</i> , 2021, 18, 575-588.	3.5	29
103	Effects of carbon and nitrogen sources on the proteome of <i>Pseudomonas aeruginosa</i> PA1 during rhamnolipid production. <i>Process Biochemistry</i> , 2010, 45, 1504-1510.	3.7	28
104	Extraction of bioactive compounds from palm (<i>Elaeis guineensis</i>) pressed fiber using different compressed fluids. <i>Journal of Supercritical Fluids</i> , 2016, 112, 51-56.	3.2	28
105	Production of recombinant lipase B from <i>Candida antarctica</i> in <i>Pichia pastoris</i> under control of the promoter PGK using crude glycerol from biodiesel production as carbon source. <i>Biochemical Engineering Journal</i> , 2017, 118, 123-131.	3.6	28
106	Ultrasound-assisted extraction of bioactive compounds from palm pressed fiber with high antioxidant and photoprotective activities. <i>Ultrasonics Sonochemistry</i> , 2017, 36, 362-366.	8.2	28
107	Characterization of the Recombinant Thermostable Lipase (Pf2001) from <i>Pyrococcus furiosus</i> : Effects of Thioredoxin Fusion Tag and Triton X-100. <i>Enzyme Research</i> , 2011, 2011, 1-7.	1.8	27
108	Rhamnolipid production: effect of oxidative stress on virulence factors and proteome of <i>Pseudomonas aeruginosa</i> PA1. <i>Applied Microbiology and Biotechnology</i> , 2012, 95, 1519-1529.	3.6	27

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109	Pore-expanded SBA-15 for the immobilization of a recombinant <i>Candida antarctica</i> lipase B: Application in esterification and hydrolysis as model reactions. <i>Chemical Engineering Research and Design</i> , 2018, 129, 12-24.	5.6	27
110	Olive Oil Oleogel Formulation Using Wax Esters Derived from Soybean Fatty Acid Distillate. <i>Biomolecules</i> , 2020, 10, 106.	4.0	27
111	Separation and Immobilization of Lipase from <i>Penicillium simplicissimum</i> by Selective Adsorption on Hydrophobic Supports. <i>Applied Biochemistry and Biotechnology</i> , 2009, 156, 133-145.	2.9	26
112	Kinetic Resolution of 1,3,6-Tri-O-benzyl-myo-Inositol by Novozym 435: Optimization and Enzyme Reuse. <i>Organic Process Research and Development</i> , 2012, 16, 1378-1384.	2.7	26
113	Evaluation of the performance of differently immobilized recombinant lipase B from <i>Candida antarctica</i> preparations for the synthesis of pharmacological derivatives in organic media. <i>RSC Advances</i> , 2016, 6, 4043-4052.	3.6	26
114	Simultaneous Enzymatic Transesterification and Esterification of an Acid Oil Using Fermented Solid as Biocatalyst. <i>JAACS, Journal of the American Oil Chemists' Society</i> , 2017, 94, 551-558.	1.9	26
115	Comparison of mono- and di-acylglycerols on microbial enhanced oil recovery (MEOR) applications. <i>Biotechnology Progress</i> , 2020, 36, e2981.	2.6	26
116	How the biodiesel from immobilized enzymes production is going on: An advanced bibliometric evaluation of global research. <i>Renewable and Sustainable Energy Reviews</i> , 2022, 153, 111765.	16.4	26
117	Lipase production and morphology of <i>Penicillium simplicissimum</i> in solid-state and submerged fermentations. <i>Biotechnology Journal</i> , 2009, 4, 1450-1459.	3.5	25
118	Valorization of By-Products from Palm Oil Mills for the Production of Generic Fermentation Media for Microbial Oil Synthesis. <i>Applied Biochemistry and Biotechnology</i> , 2017, 181, 1241-1256.	2.9	25
119	New cost-effective bioconversion process of palm kernel cake into bioinsecticides based on <i>Beauveria bassiana</i> and <i>Isaria javanica</i> . <i>Applied Microbiology and Biotechnology</i> , 2018, 102, 2595-2606.	3.6	25
120	Application of Different Lipases as Pretreatment in Anaerobic Treatment of Wastewater. <i>Environmental Engineering Science</i> , 2008, 25, 1243-1248.	1.6	24
121	Comparison of Two Lipases in the Hydrolysis of Oil and Grease in Wastewater of the Swine Meat Industry. <i>Industrial & Engineering Chemistry Research</i> , 2008, 47, 1760-1765.	3.7	24
122	Evaluation of different pre-hydrolysis times and enzyme pool concentrations on the biodegradability of poultry slaughterhouse wastewater with a high fat content. <i>Water Science and Technology</i> , 2009, 60, 243-249.	2.5	24
123	Production of core-shell polymer particles-containing cardanol by semibatch combined suspension/emulsion polymerization. <i>Polymer Engineering and Science</i> , 2014, 54, 1222-1229.	3.1	24
124	The combined use of a biosurfactant and an enzyme preparation to treat an effluent with a high fat content. <i>Colloids and Surfaces B: Biointerfaces</i> , 2012, 95, 241-246.	5.0	23
125	On the kinetic resolution of sterically hindered myo-inositol derivatives in organic media by lipases. <i>Tetrahedron: Asymmetry</i> , 2012, 23, 47-52.	1.8	23
126	Enzymatic hydrolysis and anaerobic biological treatment of fish industry effluent: Evaluation of the mesophilic and thermophilic conditions. <i>Renewable Energy</i> , 2015, 83, 455-462.	8.9	23

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127	Continuous operation, a realistic alternative to fed-batch fermentation for the production of recombinant lipase B from <i>Candida antarctica</i> under the constitutive promoter PGK in <i>Pichia pastoris</i> . <i>Biochemical Engineering Journal</i> , 2019, 147, 39-47.	3.6	23
128	Bioprocess Development for 2,3-Butanediol Production by <i>Paenibacillus</i> Strains. <i>ChemBioEng Reviews</i> , 2021, 8, 44-62.	4.4	23
129	Production and Utilization of a Novel Solid Enzymatic Preparation Produced by <i>Penicillium restrictum</i> in Activated Sludge Systems Treating Wastewater with High Levels of Oil and Grease. <i>Environmental Engineering Science</i> , 2006, 23, 814-823.	1.6	22
130	Esterification activities of non-commercial lipases after pre-treatment in pressurized propane. <i>Journal of Chemical Technology and Biotechnology</i> , 2010, 85, 839-844.	3.2	22
131	Kinetic resolution of a precursor for myo-inositol phosphates under continuous flow conditions. <i>Journal of Molecular Catalysis B: Enzymatic</i> , 2013, 87, 139-143.	1.8	22
132	Development of Microbial Oil Wax-Based Oleogel with Potential Application in Food Formulations. <i>Food and Bioprocess Technology</i> , 2019, 12, 899-909.	4.7	22
133	Proteases from actinomycetes interfere in solid media plate assays of hyaluronidase activity. <i>Journal of Microbiological Methods</i> , 2001, 45, 207-212.	1.6	21
134	Enzymatic synthesis of bio-based wax esters from palm and soybean fatty acids using crude lipases produced on agricultural residues. <i>Industrial Crops and Products</i> , 2019, 139, 111499.	5.2	21
135	Multipurpose fixed-bed bioreactor to simplify lipase production by solid-state fermentation and application in biocatalysis. <i>Biochemical Engineering Journal</i> , 2019, 144, 1-7.	3.6	21
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