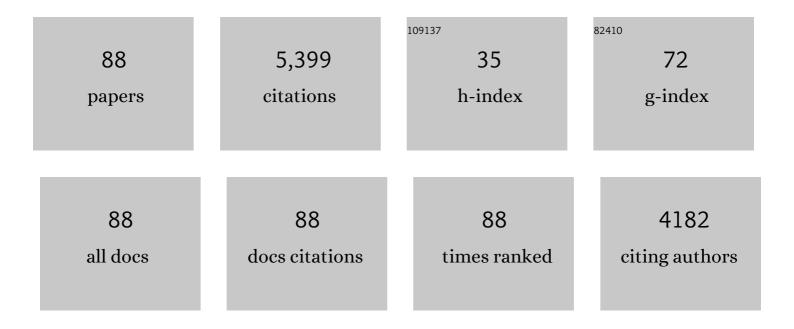


List of Publications by Year in descending order

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#	Article	IF	CITATIONS
1	Perspectives of microbial oils for biodiesel production. Applied Microbiology and Biotechnology, 2008, 80, 749-756.	1.7	656
2	Comparative study on lipase-catalyzed transformation of soybean oil for biodiesel production with different acyl acceptors. Journal of Molecular Catalysis B: Enzymatic, 2004, 30, 125-129.	1.8	456
3	Lipase-catalyzed transesterification of rapeseed oils for biodiesel production with a novel organic solvent as the reaction medium. Journal of Molecular Catalysis B: Enzymatic, 2006, 43, 58-62.	1.8	324
4	Lipase-catalyzed process for biodiesel production: Enzyme immobilization, process simulation and optimization. Renewable and Sustainable Energy Reviews, 2015, 44, 182-197.	8.2	297
5	Perspectives for biotechnological production of biodiesel and impacts. Applied Microbiology and Biotechnology, 2008, 79, 331-337.	1.7	198
6	Progress & prospect of metal-organic frameworks (MOFs) for enzyme immobilization (enzyme/MOFs). Renewable and Sustainable Energy Reviews, 2018, 91, 793-801.	8.2	178
7	Microbial conversion of biodiesel byproduct glycerol to triacylglycerols by oleaginous yeast Rhodosporidium toruloides and the individual effect of some impurities on lipid production. Biochemical Engineering Journal, 2012, 65, 30-36.	1.8	177
8	A novel enzymatic route for biodiesel production from renewable oils in a solvent-free medium. Biotechnology Letters, 2003, 25, 1239-1241.	1.1	169
9	Lipase-catalyzed biodiesel production from soybean oil deodorizer distillate with absorbent present in tert-butanol system. Journal of Molecular Catalysis B: Enzymatic, 2006, 43, 29-32.	1.8	160
10	Study on acyl migration in immobilized lipozyme TL-catalyzed transesterification of soybean oil for biodiesel production. Journal of Molecular Catalysis B: Enzymatic, 2005, 37, 68-71.	1.8	156
11	Effects of some inhibitors on the growth and lipid accumulation of oleaginous yeast Rhodosporidium toruloides and preparation of biodiesel by enzymatic transesterification of the lipid. Bioprocess and Biosystems Engineering, 2012, 35, 993-1004.	1.7	151
12	Study on the kinetics of enzymatic interesterification of triglycerides for biodiesel production with methyl acetate as the acyl acceptor. Journal of Molecular Catalysis B: Enzymatic, 2005, 32, 241-245.	1.8	129
13	Response surface optimization of biocatalytic biodiesel production with acid oil. Biochemical Engineering Journal, 2008, 40, 423-429.	1.8	102
14	Rhizopus oryzae IFO 4697 whole cell catalyzed methanolysis of crude and acidified rapeseed oils for biodiesel production in tert-butanol system. Process Biochemistry, 2007, 42, 1481-1485.	1.8	93
15	Lipase-catalysed transesterification of soya bean oil for biodiesel production during continuous batch operation. Biotechnology and Applied Biochemistry, 2003, 38, 103.	1.4	87
16	Effect of silica coating on Fe3O4 magnetic nanoparticles for lipase immobilization and their application for biodiesel production. Arabian Journal of Chemistry, 2019, 12, 4694-4706.	2.3	87
17	Novozym 435-catalysed transesterification of crude soya bean oils for biodiesel production in a solvent-free medium. Biotechnology and Applied Biochemistry, 2004, 40, 187.	1.4	85
18	Rationally designing hydrophobic UiO-66 support for the enhanced enzymatic performance of immobilized lipase. Green Chemistry, 2018, 20, 4500-4506.	4.6	79

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19	Microbial oil production from various carbon sources and its use for biodiesel preparation. Biofuels, Bioproducts and Biorefining, 2013, 7, 65-77.	1.9	75
20	Optimization of whole cell-catalyzed methanolysis of soybean oil for biodiesel production using response surface methodology. Journal of Molecular Catalysis B: Enzymatic, 2007, 45, 122-127.	1.8	74
21	Improved methanol tolerance during Novozym435-mediated methanolysis of SODD for biodiesel production. Green Chemistry, 2007, 9, 173-176.	4.6	67
22	Novozym 435-catalyzed 1,3-diacylglycerol preparation via esterification in t-butanol system. Process Biochemistry, 2010, 45, 1923-1927.	1.8	66
23	Study on acyl migration kinetics of partial glycerides: Dependence on temperature and water activity. Journal of Molecular Catalysis B: Enzymatic, 2010, 63, 17-22.	1.8	60
24	Dependence on the properties of organic solvent: Study on acyl migration kinetics of partial glycerides. Bioresource Technology, 2010, 101, 5737-5742.	4.8	54
25	An overview to process design, simulation and sustainability evaluation of biodiesel production. Biotechnology for Biofuels, 2021, 14, 129.	6.2	54
26	Novel mutant strains of <i>Rhodosporidium toruloides</i> by plasma mutagenesis approach and their tolerance for inhibitors in lignocellulosic hydrolyzate. Journal of Chemical Technology and Biotechnology, 2014, 89, 735-742.	1.6	53
27	Mechanism Exploration during Lipase-Mediated Methanolysis of Renewable Oils for Biodiesel Production in atert-Butanol System. Biotechnology Progress, 2007, 23, 1087-1090.	1.3	48
28	Progress in Enzymatic Biodiesel Production and Commercialization. Processes, 2021, 9, 355.	1.3	47
29	Study on the effect of cultivation parameters and pretreatment on Rhizopus oryzae cell-catalyzed transesterification of vegetable oils for biodiesel production. Journal of Molecular Catalysis B: Enzymatic, 2006, 43, 15-18.	1.8	46
30	Effect of several factors on soluble lipase-mediated biodiesel preparation in the biphasic aqueous-oil systems. World Journal of Microbiology and Biotechnology, 2008, 24, 2097-2102.	1.7	44
31	Study on factors influencing stability of whole cell during biodiesel production in solvent-free and tert-butanol system. Biochemical Engineering Journal, 2008, 41, 111-115.	1.8	43
32	Lipase-mediated methanolysis of soybean oils for biodiesel production. Journal of Chemical Technology and Biotechnology, 2008, 83, 71-76.	1.6	40
33	Study on Free Lipase atalyzed Ethanolysis for Biodiesel Preparation in an Oil/Water Biphasic System. JAOCS, Journal of the American Oil Chemists' Society, 2011, 88, 1551-1555.	0.8	40
34	Acyl migration and kinetics study of 1(3)-positional specific lipase of Rhizopus oryzae-catalyzed methanolysis of triglyceride for biodiesel production. Process Biochemistry, 2010, 45, 1888-1893.	1.8	39
35	Immobilization of Lipase on Metal-Organic frameworks for biodiesel production. Journal of Environmental Chemical Engineering, 2022, 10, 107265.	3.3	39
36	Mechanism study on NS81006-mediated methanolysis of triglyceride in oil/water biphasic system for biodiesel production. Process Biochemistry, 2010, 45, 446-450.	1.8	35

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37	Ethanol as the acyl acceptor for biodiesel production. Renewable and Sustainable Energy Reviews, 2013, 25, 742-748.	8.2	35
38	Lipase Immobilization on Macroporous ZIF-8 for Enhanced Enzymatic Biodiesel Production. ACS Omega, 2021, 6, 2143-2148.	1.6	35
39	Effect of water on lipase NS81006-catalyzed alcoholysis for biodiesel production. Process Biochemistry, 2017, 58, 239-244.	1.8	34
40	Study on Lipozyme TL IM-catalyzed esterification of oleic acid and glycerol for 1,3-diolein preparation. Journal of Molecular Catalysis B: Enzymatic, 2016, 127, 11-17.	1.8	32
41	Hydrophobic pore space constituted in macroporous ZIF-8 for lipase immobilization greatly improving lipase catalytic performance in biodiesel preparation. Biotechnology for Biofuels, 2020, 13, 86.	6.2	32
42	Lipase NS81006 immobilized on Fe ₃ O ₄ magnetic nanoparticles for biodiesel production. Analele UniversitÄfÈ›ii Ovidius ConstanÈ›a: Seria Chimie, 2016, 27, 13-21.	0.2	29
43	Rhizopus oryzae Whole-Cell-Catalyzed Biodiesel Production from Oleic Acid in <i>tert</i> -Butanol Medium. Energy & Fuels, 2008, 22, 155-158.	2.5	28
44	Free Lipaseâ€Catalyzed Esterification of Oleic Acid for Fatty Acid Ethyl Ester Preparation with Response Surface Optimization. JAOCS, Journal of the American Oil Chemists' Society, 2013, 90, 73-79.	0.8	28
45	Free lipase-catalyzed biodiesel production from phospholipids-containing oils. Biomass and Bioenergy, 2014, 71, 162-169.	2.9	28
46	Lipase-catalyzed methanolysis of microalgae oil for biodiesel production and PUFAs concentration. Catalysis Communications, 2016, 84, 44-47.	1.6	28
47	Advances in Enzyme and Ionic Liquid Immobilization for Enhanced in MOFs for Biodiesel Production. Molecules, 2021, 26, 3512.	1.7	28
48	Effect of phospholipids on free lipase-mediated methanolysis for biodiesel production. Journal of Molecular Catalysis B: Enzymatic, 2013, 91, 67-71.	1.8	27
49	Renewable microbial lipid production from Oleaginous Yeast: some surfactants greatly improved lipid production of Rhodosporidium toruloides. World Journal of Microbiology and Biotechnology, 2016, 32, 107.	1.7	27
50	Integrative transcriptomic and proteomic analysis of the mutant lignocellulosic hydrolyzateâ€ŧolerant <i>Rhodosporidium toruloides</i> . Engineering in Life Sciences, 2017, 17, 249-261.	2.0	27
51	Kinetic study on free lipase NS81006-catalyzed biodiesel production from soybean oil. Journal of Molecular Catalysis B: Enzymatic, 2015, 121, 22-27.	1.8	26
52	Exploration on the effect of phospholipids on free lipase-mediated biodiesel production. Journal of Molecular Catalysis B: Enzymatic, 2014, 102, 88-93.	1.8	25
53	Bioconversion of glycerol into lipids by <i>Rhodosporidium toruloides</i> in a twoâ€stage process and characterization of lipid properties. Engineering in Life Sciences, 2017, 17, 303-313.	2.0	25
54	Efficient biodiesel production from phospholipids-containing oil: Synchronous catalysis with phospholipase and lipase. Biochemical Engineering Journal, 2015, 94, 45-49.	1.8	24

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55	Isolation of oleaginous yeast (<i>Rhodosporidium toruloides</i>) mutants tolerant of sugarcane bagasse hydrolysate. Bioscience, Biotechnology and Biochemistry, 2014, 78, 336-342.	0.6	23
56	Biodiesel production with enzymatic technology: progress and perspectives. Biofuels, Bioproducts and Biorefining, 2021, 15, 1526-1548.	1.9	22
57	Kinetics of lipase recovery from the aqueous phase of biodiesel production by macroporous resin adsorption and reuse of the adsorbed lipase for biodiesel preparation. Enzyme and Microbial Technology, 2013, 52, 226-233.	1.6	21
58	Integrated production for biodiesel and 1,3-propanediol with lipase-catalyzed transesterification and fermentation. Biotechnology Letters, 2009, 31, 1335-1341.	1.1	19
59	Improved catalytic performance of GA cross-linking treated Rhizopus oryzae IFO 4697 whole cell for biodiesel production. Process Biochemistry, 2010, 45, 1192-1195.	1.8	17
60	Comparative study on stability of whole cells during biodiesel production in solvent-free system. Process Biochemistry, 2011, 46, 661-664.	1.8	16
61	A novel process of lipase-mediated biodiesel production by the introduction of dimethyl carbonate. Catalysis Communications, 2017, 101, 89-92.	1.6	16
62	Mechanism Exploration during Lipase-Mediated Methanolysis of Renewable Oils for Biodiesel Production in a tert-Butanol System. Biotechnology Progress, 2007, 23, 0-0.	1.3	14
63	Prospective and impacts of whole cell mediated alcoholysis of renewable oils for biodiesel production. Biofuels, Bioproducts and Biorefining, 2009, 3, 633-639.	1.9	14
64	Enzymatic ethanolysis of fish oil for selective concentration of polyunsaturated fatty acids (PUFAs) with flexible production of corresponding glycerides and ethyl esters. Journal of Chemical Technology and Biotechnology, 2018, 93, 2399-2405.	1.6	14
65	Immobilization of Lipase from <i>Thermomyces lanuginosus</i> in Magnetic Macroporous ZIF-8 Improves Lipase Reusability in Biodiesel Preparation. ACS Omega, 2022, 7, 274-280.	1.6	14
66	A Robust Two-Step Process for the Efficient Conversion of Acidic Soybean Oil for Biodiesel Production. Catalysts, 2018, 8, 527.	1.6	13
67	Reaction-diffusion model to describe biodiesel production using lipase encapsulated in ZIF-8. Fuel, 2022, 311, 122630.	3.4	13
68	Exploring the effects of oil inducer on whole cell-mediated methanolysis for biodiesel production. Process Biochemistry, 2010, 45, 514-518.	1.8	12
69	Lipase-Mediated Selective Methanolysis of Fish Oil for Biodiesel Production and Polyunsaturated Fatty Acid Enrichment. Energy & Fuels, 2018, 32, 7630-7635.	2.5	12
70	Research Progress in Enzymatic Synthesis of Vitamin E Ester Derivatives. Catalysts, 2021, 11, 739.	1.6	12
71	Improving lipase-catalyzed enantioselective ammonolysis of phenylglycine methyl ester in organic solvent by in situ racemization. Biotechnology Letters, 2003, 25, 461-464.	1.1	11
72	Combined phospholipase and lipase catalysis for biodiesel production from phospholipids-containing oil. Biotechnology and Bioprocess Engineering, 2015, 20, 965-970.	1.4	11

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73	A robust process for lipase-mediated biodiesel production from microalgae lipid. RSC Advances, 2016, 6, 48515-48522.	1.7	11
74	Improved lipase-catalyzed methanolysis for biodiesel production by combining in-situ removal of by-product glycerol. Fuel, 2018, 232, 45-50.	3.4	11
75	A novel clean process for the combined production of fatty acid ethyl esters (FAEEs) and the ethyl ester of polyunsaturated fatty acids (PUFAs) from microalgae oils. Renewable Energy, 2019, 143, 772-778.	4.3	10
76	Lipase-catalysed enantioselective ammonolysis of phenylglycine methyl ester in organic solvent. Biotechnology and Applied Biochemistry, 2003, 38, 107.	1.4	9
77	Kinetics and Mechanism of Solvent Influence on the Lipase-Catalyzed 1,3-Diolein Synthesis. ACS Omega, 2020, 5, 24708-24716.	1.6	9
78	Exploration of sodium lignosulphonate's effects on lipid production by Rhodosporidium toruloides. Process Biochemistry, 2015, 50, 424-431.	1.8	7
79	Lipase NS81006 immobilized on functionalized ferric-silica magnetic nanoparticles for biodiesel production. Biofuels, 2017, , 1-9.	1.4	7
80	Integrated Production of Biodiesel and Concentration of Polyunsaturated Fatty Acid in Glycerides Through Effective Enzymatic Catalysis. Frontiers in Bioengineering and Biotechnology, 2019, 7, 393.	2.0	7
81	Efficient Biodiesel Conversion from Microalgae Oil of Schizochytrium sp Catalysts, 2019, 9, 341.	1.6	6
82	Biodiesel From Conventional Feedstocks. Advances in Biochemical Engineering/Biotechnology, 2011, 128, 53-68.	0.6	5
83	Simulation and experimentation on the gas holdup characteristics of a novel oscillating airlift loop reactor. Journal of Chemical Technology and Biotechnology, 2013, 88, 704-710.	1.6	5
84	Biodiesel. , 2019, , 66-78.		4
85	Renewable boronic acid affiliated glycerol nano-adsorbents for recycling enzymatic catalyst in biodiesel fuel production. Chemical Communications, 2018, 54, 12475-12478.	2.2	3
86	Effect of solvent on the extraction of microalgae lipid for biodiesel production. Chemical Research in Chinese Universities, 2016, 32, 625-629.	1.3	2
87	Kinetics of Liquid Lipase NS81006-Catalyzed Alcoholysis of Oil for Biodiesel Production. Chinese Journal of Catalysis, 2013, 33, 1857-1861.	6.9	2
88	Study on the enzyme's 1,3-positional specificity during lipozyme TL-mediated biodiesel production. RSC Advances, 2015, 5, 62460-62468.	1.7	1