

# Francisco Valero

## List of Publications by Year in descending order

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128  
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3,972  
citations

101535

36  
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161844

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129  
docs citations

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times ranked

2985  
citing authors

#	ARTICLE	IF	CITATIONS
1	Operational strategies, monitoring and control of heterologous protein production in the methylotrophic yeast <i>Pichia pastoris</i> under different promoters: a review. <i>Microbial Cell Factories</i> , 2006, 5, 17.	4.0	272
2	Optimization of the high-level production of <i>Rhizopus oryzae</i> lipase in <i>Pichia pastoris</i> . <i>Journal of Biotechnology</i> , 2001, 86, 59-70.	3.8	153
3	Effects of methanol on lipases: Molecular, kinetic and process issues in the production of biodiesel. <i>Biotechnology Journal</i> , 2015, 10, 22-30.	3.5	140
4	Combined effect of the methanol utilization (Mut) phenotype and gene dosage on recombinant protein production in <i>Pichia pastoris</i> fed-batch cultures. <i>Journal of Biotechnology</i> , 2005, 116, 321-335.	3.8	113
5	Expression of a <i>Rhizopus oryzae</i> lipase in <i>Pichia pastoris</i> under control of the nitrogen source-regulated formaldehyde dehydrogenase promoter. <i>Journal of Biotechnology</i> , 2004, 109, 103-113.	3.8	98
6	Sorbitol co-feeding reduces metabolic burden caused by the overexpression of a <i>Rhizopus oryzae</i> lipase in <i>Pichia pastoris</i> . <i>Journal of Biotechnology</i> , 2007, 130, 39-46.	3.8	85
7	An improved secretion signal enhances the secretion of model proteins from <i>Pichia pastoris</i> . <i>Microbial Cell Factories</i> , 2018, 17, 161.	4.0	80
8	Physiological control on the expression and secretion of <i>Candida rugosa</i> lipase. <i>Chemistry and Physics of Lipids</i> , 1998, 93, 143-148.	3.2	71
9	Reactivity of Pure <i>Candida rugosa</i> Lipase Isoenzymes (Lip1, Lip2, and Lip3) in Aqueous and Organic Media. Influence of the Isoenzymatic Profile on the Lipase Performance in Organic Media. <i>Biotechnology Progress</i> , 2008, 20, 65-73.	2.6	67
10	Highly enantioselective esterification of racemic ibuprofen in a packed bed reactor using immobilised <i>Rhizomucor miehei</i> lipase. <i>Enzyme and Microbial Technology</i> , 2000, 27, 157-166.	3.2	63
11	Developing high cell density fed-batch cultivation strategies for heterologous protein production in <i>Pichia pastoris</i> using the nitrogen source-regulated FLD 1 Promoter. <i>Biotechnology and Bioengineering</i> , 2005, 91, 760-767.	3.3	63
12	Optimization of the heterologous production of a <i>Rhizopus oryzae</i> lipase in <i>Pichia pastoris</i> system using mixed substrates on controlled fed-batch bioprocess. <i>Enzyme and Microbial Technology</i> , 2010, 46, 494-500.	3.2	60
13	Fed-batch operational strategies for recombinant Fab production with <i>Pichia pastoris</i> using the constitutive GAP promoter. <i>Biochemical Engineering Journal</i> , 2013, 79, 172-181.	3.6	60
14	Biochemical Diversity of Carboxyl Esterases and Lipases from Lake Arreo (Spain): a Metagenomic Approach. <i>Applied and Environmental Microbiology</i> , 2013, 79, 3553-3562.	3.1	59
15	Enzymatic biodiesel synthesis from yeast oil using immobilized recombinant <i>Rhizopus oryzae</i> lipase. <i>Bioresource Technology</i> , 2015, 183, 175-180.	9.6	59
16	Heterologous production of <i>Rhizopus oryzae</i> lipase in <i>Pichia pastoris</i> using the alcohol oxidase and formaldehyde dehydrogenase promoters in batch and fed-batch cultures. <i>Biochemical Engineering Journal</i> , 2005, 26, 86-94.	3.6	54
17	Enzymatic Production of Biodiesel: Strategies to Overcome Methanol Inactivation. <i>Biotechnology Journal</i> , 2018, 13, e1700155.	3.5	54
18	Production of Native and Recombinant Lipases by <i>Candida rugosa</i> : A Review. <i>Applied Biochemistry and Biotechnology</i> , 2001, 95, 221-256.	2.9	53

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19	State variables monitoring by in situ multi-wavelength fluorescence spectroscopy in heterologous protein production by <i>Pichia pastoris</i> . <i>Journal of Biotechnology</i> , 2006, 124, 412-419.	3.8	53
20	Transcriptional response of <i>P. pastoris</i> in fed-batch cultivations to <i>Rhizopus oryzae</i> lipase production reveals UPR induction. <i>Microbial Cell Factories</i> , 2007, 6, 21.	4.0	53
21	Immobilized heterologous <i>Rhizopus oryzae</i> lipase: A feasible biocatalyst for the production of human milk fat substitutes. <i>Biochemical Engineering Journal</i> , 2012, 67, 104-110.	3.6	53
22	Production of MLM $\Delta$ Type Structured Lipids Catalyzed by Immobilized Heterologous <i>Rhizopus oryzae</i> Lipase. <i>JAACS, Journal of the American Oil Chemists' Society</i> , 2011, 88, 473-480.	1.9	49
23	Recent Patents on the <i>Pichia Pastoris</i> Expression System: Expanding the Toolbox for Recombinant Protein Production. <i>Recent Patents on Biotechnology</i> , 2009, 3, 192-201.	0.8	47
24	Biosynthesis of ethyl butyrate by immobilized recombinant <i>Rhizopus oryzae</i> lipase expressed in <i>Pichia pastoris</i> . <i>Biochemical Engineering Journal</i> , 2012, 65, 1-9.	3.6	47
25	Engineering of bottlenecks in <i>Rhizopus oryzae</i> lipase production in <i>Pichia pastoris</i> using the nitrogen source-regulated FLD1 promoter. <i>New Biotechnology</i> , 2009, 25, 396-403.	4.4	46
26	Comprehensive clone screening and evaluation of fed-batch strategies in a microbioreactor and lab scale stirred tank bioreactor system: application on <i>Pichia pastoris</i> producing <i>Rhizopus oryzae</i> lipase. <i>Microbial Cell Factories</i> , 2014, 13, 36.	4.0	44
27	Fermentation behaviour of lipase production by <i>Candida rugosa</i> growing on different mixtures of glucose and olive oil. <i>Journal of Bioscience and Bioengineering</i> , 1991, 72, 399-401.	0.9	43
28	Co-composting of sewage sludge:fats mixtures and characteristics of the lipases involved. <i>Biochemical Engineering Journal</i> , 2007, 33, 275-283.	3.6	43
29	Synthesis of biodiesel from high FFA alperujo oil catalysed by immobilised lipase. <i>Fuel</i> , 2015, 161, 12-17.	6.4	43
30	Comparison of the biochemical properties of a recombinant lipase extract from <i>Rhizopus oryzae</i> expressed in <i>Pichia pastoris</i> with a native extract. <i>Biochemical Engineering Journal</i> , 2011, 54, 117-123.	3.6	42
31	A simple model-based control for <i>Pichia pastoris</i> allows a more efficient heterologous protein production bioprocess. <i>Biotechnology and Bioengineering</i> , 2006, 95, 145-154.	3.3	41
32	Production of a <i>Rhizopus oryzae</i> lipase from <i>Pichia pastoris</i> using alternative operational strategies. <i>Journal of Biotechnology</i> , 2007, 130, 291-299.	3.8	41
33	<i>Rhizopus oryzae</i> Lipase, a Promising Industrial Enzyme: Biochemical Characteristics, Production and Biocatalytic Applications. <i>Catalysts</i> , 2020, 10, 1277.	3.5	41
34	Searching the best operational strategies for <i>Rhizopus oryzae</i> lipase production in <i>Pichia pastoris</i> Mut <sup>+</sup> phenotype: Methanol limited or methanol non-limited fed-batch cultures?. <i>Biochemical Engineering Journal</i> , 2013, 75, 47-54.	3.6	40
35	Lipase-catalysed transesterification: Viewpoint of the mechanism and influence of free fatty acids. <i>Biomass and Bioenergy</i> , 2016, 85, 94-99.	5.7	40
36	Enzyme-Catalyzed Production of Biodiesel as Alternative to Chemical- Catalyzed Processes: Advantages and Constraints. <i>Current Biochemical Engineering</i> , 2017, 4, .	1.3	39

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37	Characterization of the lipase and esterase multiple forms in an enzyme preparation from a <i>Candida rugosa</i> pilot-plant scale fed-batch fermentation. <i>Enzyme and Microbial Technology</i> , 1999, 25, 214-223.	3.2	38
38	Application of commercial and non-commercial immobilized lipases for biocatalytic production of ethyl lactate in organic solvents. <i>Bioresource Technology</i> , 2018, 247, 496-503.	9.6	38
39	The effect of glycerol mixed substrate on the heterologous production of a <i>Rhizopus oryzae</i> lipase in <i>Pichia pastoris</i> system. <i>Biochemical Engineering Journal</i> , 2011, 57, 30-37.	3.6	37
40	Rational development of bioprocess engineering strategies for recombinant protein production in <i>Pichia pastoris</i> ( <i>Komagataella phaffii</i> ) using the methanol-free GAP promoter. Where do we stand?. <i>New Biotechnology</i> , 2019, 53, 24-34.	4.4	37
41	Functional expression of aryl alcohol oxidase in <i>Saccharomyces cerevisiae</i> and <i>Pichia pastoris</i> by directed evolution. <i>Biotechnology and Bioengineering</i> , 2018, 115, 1666-1674.	3.3	36
42	Structured modeling and state estimation in a fermentation process: Lipase production by <i>Candida rugosa</i> . <i>Biotechnology and Bioengineering</i> , 1995, 48, 573-584.	3.3	35
43	Cloning, disruption and protein secretory phenotype of the GAS1 homologue of <i>Pichia pastoris</i> . <i>FEMS Microbiology Letters</i> , 2006, 264, 40-47.	1.8	35
44	Heterologous Expression Systems for Lipases: A Review. <i>Methods in Molecular Biology</i> , 2012, 861, 161-178.	0.9	35
45	A controlled fed-batch cultivation for the production of new crude lipases from <i>Candida rugosa</i> with improved properties in fine chemistry. <i>Journal of Biotechnology</i> , 1999, 69, 169-182.	3.8	34
46	The potential use of lipases in the production of fatty acid derivatives for the food and nutraceutical industries. <i>Electronic Journal of Biotechnology</i> , 2013, 16, .	2.2	34
47	Biodiesel Synthesis in a Solvent-Free System by Recombinant <i>Rhizopus oryzae</i> Lipase. Study of the Catalytic Reaction Progress. <i>JAOCs, Journal of the American Oil Chemists' Society</i> , 2014, 91, 1499-1506.	1.9	33
48	A macrokinetic model-based comparative meta-analysis of recombinant protein production by <i>Pichia pastoris</i> under AOX1 promoter. <i>Biotechnology and Bioengineering</i> , 2015, 112, 1132-1145.	3.3	31
49	Bioprocess efficiency in <i>Rhizopus oryzae</i> lipase production by <i>Pichia pastoris</i> under the control of PAOX1 is oxygen tension dependent. <i>Process Biochemistry</i> , 2016, 51, 1954-1963.	3.7	31
50	Improving lipase production from <i>Candida rugosa</i> by a biochemical engineering approach. <i>Chemistry and Physics of Lipids</i> , 1998, 93, 131-142.	3.2	29
51	A step forward to improve recombinant protein production in <i>Pichia pastoris</i> : From specific growth rate effect on protein secretion to carbon-starving conditions as advanced strategy. <i>Process Biochemistry</i> , 2016, 51, 681-691.	3.7	29
52	Parallel factor analysis combined with PLS regression applied to the on-line monitoring of <i>Pichia pastoris</i> cultures. <i>Analytical and Bioanalytical Chemistry</i> , 2006, 385, 1281-1288.	3.7	28
53	Batch operational stability of immobilized heterologous <i>Rhizopus oryzae</i> lipase during acidolysis of virgin olive oil with medium-chain fatty acids. <i>Biochemical Engineering Journal</i> , 2012, 67, 265-268.	3.6	28
54	Production of Human Milk Fat Substitutes Catalyzed by a Heterologous <i>Rhizopus oryzae</i> Lipase and Commercial Lipases. <i>JAOCs, Journal of the American Oil Chemists' Society</i> , 2014, 91, 411-419.	1.9	28

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55	Monitoring Lipase/Esterase Activity by Stopped Flow in a Sequential Injection Analysis System Using p-Nitrophenyl Butyrate. <i>Sensors</i> , 2015, 15, 2798-2811.	3.8	28
56	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
57	Immobilisation of different <i>Candida rugosa</i> lipases by adsorption onto polypropylene powder: application to chiral synthesis of ibuprofen and trans-2-phenyl-1-cyclohexanol esters. <i>Journal of Chemical Technology and Biotechnology</i> , 2002, 77, 175-182.	3.2	27
58	Effect of nitrogen sources in batch and continuous cultures to lipase production by <i>Candida rugosa</i> . <i>Applied Biochemistry and Biotechnology</i> , 1996, 59, 25-37.	2.9	26
59	On-line parallel factor analysis. A step forward in the monitoring of bioprocesses in real time. <i>Chemometrics and Intelligent Laboratory Systems</i> , 2008, 92, 44-52.	3.5	26
60	Recombinant <i>Candida rugosa</i> LIP2 expression in <i>Pichia pastoris</i> under the control of the AOX1 promoter. <i>Biochemical Engineering Journal</i> , 2009, 46, 271-277.	3.6	26
61	Camelina oil as a source of polyunsaturated fatty acids for the production of human milk fat substitutes catalyzed by a heterologous <i>Rhizopus oryzae</i> lipase. <i>European Journal of Lipid Science and Technology</i> , 2016, 118, 532-544.	1.5	26
62	Continuous Cultivation as a Tool Toward the Rational Bioprocess Development With <i>Pichia Pastoris</i> Cell Factory. <i>Frontiers in Bioengineering and Biotechnology</i> , 2020, 8, 632.	4.1	26
63	The effect of hypoxia on the lipidome of recombinant <i>Pichia pastoris</i> . <i>Microbial Cell Factories</i> , 2017, 16, 86.	4.0	25
64	Uses of $\beta$ -galactosidase tag in on-line monitoring production of fusion proteins and gene expression in <i>Escherichia coli</i> . <i>Enzyme and Microbial Technology</i> , 1993, 15, 66-71.	3.2	24
65	Rapid determination of chemical oxygen demand using a focused microwave heating system featuring temperature control. <i>Analytica Chimica Acta</i> , 2003, 491, 99-109.	5.4	24
66	A novel FIA configuration for the simultaneous determination of nitrate and nitrite and its use for monitoring an urban waste water treatment plant based on N/D criteria. <i>Analytica Chimica Acta</i> , 1998, 359, 173-183.	5.4	23
67	Heptyl oleate synthesis as useful tool to discriminate between lipases, proteases and other hydrolases in crude preparations. <i>Enzyme and Microbial Technology</i> , 2002, 31, 283-288.	3.2	23
68	Biomass estimation using fluorescence measurements in <i>Pichia pastoris</i> bioprocess. <i>Journal of Chemical Technology and Biotechnology</i> , 2006, 81, 23-28.	3.2	23
69	Rivoflavin may interfere with on-line monitoring of secreted green fluorescence protein fusion proteins in <i>Pichia pastoris</i> . <i>Microbial Cell Factories</i> , 2007, 6, 15.	4.0	23
70	Immobilized Heterologous <i>Rhizopus Oryzae</i> Lipase as an Efficient Catalyst in the Acetylation of Cortisolone. <i>European Journal of Organic Chemistry</i> , 2012, 2012, 4306-4312.	2.4	23
71	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
72	A hybrid neural model (HNM) for the on-line monitoring of lipase production by <i>Candida rugosa</i> . <i>Journal of Chemical Technology and Biotechnology</i> , 2007, 82, 319-327.	3.2	21

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73	Rice husk ash as a potential carrier for the immobilization of lipases applied in the enzymatic production of biodiesel. <i>Biocatalysis and Biotransformation</i> , 2018, 36, 151-158.	2.0	21
74	Production of MLM Type Structured Lipids From Grapeseed Oil Catalyzed by Non-Commercial Lipases. <i>European Journal of Lipid Science and Technology</i> , 2018, 120, 1700320.	1.5	20
75	Study of the drop size frequencies in a microbial growth system with an aqueous-organic culture medium: lipase production from <i>Candida rugosa</i> . <i>Journal of Biotechnology</i> , 1998, 59, 183-192.	3.8	18
76	Immobilization and stability of a <i>Rhizopus oryzae</i> lipase expressed in <i>Pichia pastoris</i> : Comparison between native and recombinant variants. <i>Biotechnology Progress</i> , 2011, 27, 1232-1241.	2.6	18
77	Physiological state as transferable operating criterion to improve recombinant protein production in <i>Pichia pastoris</i> through oxygen limitation. <i>Journal of Chemical Technology and Biotechnology</i> , 2017, 92, 2573-2582.	3.2	18
78	On-line monitoring of lipase production in fermentation processes. <i>Biotechnology Letters</i> , 1991, 5, 251-254.	0.5	17
79	Improvement of lipase productivity in bioprocesses using a structured mathematical model. <i>Journal of Biotechnology</i> , 1997, 52, 207-218.	3.8	17
80	Monitoring of sorbitol in <i>Pichia pastoris</i> cultivation applying sequential injection analysis. <i>Biochemical Engineering Journal</i> , 2008, 42, 77-83.	3.6	17
81	Second- and third-generation biodiesel production with immobilised recombinant <i>Rhizopus oryzae</i> lipase: Influence of the support, substrate acidity and bioprocess scale-up. <i>Bioresource Technology</i> , 2021, 334, 125233.	9.6	17
82	Fermentation monitoring using a glucose biosensor based on an electrocatalytically bulk-modified epoxy-graphite biocomposite integrated in a flow system. <i>Analyst</i> , 1995, 120, 2255-2258.	3.5	16
83	Bioprocess performance analysis of novel methanol-independent promoters for recombinant protein production with <i>Pichia pastoris</i> . <i>Microbial Cell Factories</i> , 2021, 20, 74.	4.0	16
84	Acyl transfer strategy for the biocatalytical characterisation of <i>Candida rugosa</i> lipases in organic solvents. <i>Enzyme and Microbial Technology</i> , 2006, 38, 199-208.	3.2	15
85	Optimized Production of MLM Triacylglycerols Catalyzed by Immobilized Heterologous <i>Rhizopus oryzae</i> Lipase. <i>JAACS, Journal of the American Oil Chemists' Society</i> , 2012, 89, 1287-1295.	1.9	15
86	Effect of acyl-acceptor stepwise addition strategy using <i>alperujo</i> oil as a substrate in enzymatic biodiesel synthesis. <i>Journal of Chemical Technology and Biotechnology</i> , 2018, 93, 541-547.	3.2	15
87	Rationale-based selection of optimal operating strategies and gene dosage impact on recombinant protein production in <i>Komagataella phaffii</i> ( <i>Pichia pastoris</i> ). <i>Microbial Biotechnology</i> , 2020, 13, 315-327.	4.2	15
88	Continuous enantioselective esterification of trans-2-phenyl-1-cyclohexanol using a new <i>Candida rugosa</i> lipase in a packed bed bioreactor. <i>Journal of Biotechnology</i> , 2000, 84, 1-12.	3.8	14
89	Rational strategy for the production of new crude lipases from <i>Candida rugosa</i> . <i>Biotechnology Letters</i> , 2005, 27, 499-503.	2.2	14
90	State and specific growth estimation in heterologous protein production by <i>Pichia pastoris</i> . <i>AIChE Journal</i> , 2012, 58, 2966-2979.	3.6	14

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91	Specific growth rate governs AOX1 gene expression, affecting the production kinetics of <i>Pichia pastoris</i> (Komagataella phaffii) PAOX1-driven recombinant producer strains with different target gene dosage. <i>Microbial Cell Factories</i> , 2019, 18, 187.	4.0	14
92	Bioreactor-scale cell performance and protein production can be substantially increased by using a secretion signal that drives co-translational translocation in <i>Pichia pastoris</i> . <i>New Biotechnology</i> , 2021, 60, 85-95.	4.4	14
93	Towards optimal substrate feeding for heterologous protein production in <i>Pichia pastoris</i> (Komagataella spp) fed-batch processes under P <sub>AOX1</sub> control: a modeling aided approach. <i>Journal of Chemical Technology and Biotechnology</i> , 2018, 93, 3208-3218.	3.2	13
94	Title is missing!. <i>Biotechnology Letters</i> , 1998, 20, 1145-1148.	2.2	12
95	Overall Key Performance Indicator to Optimizing Operation of High-Pressure Homogenizers for a Reliable Quantification of Intracellular Components in <i>Pichia pastoris</i> . <i>Frontiers in Bioengineering and Biotechnology</i> , 2015, 3, 107.	4.1	11
96	Integrated Biosensor Systems for Ethanol Analysis. <i>Applied Biochemistry and Biotechnology</i> , 2008, 146, 129-136.	2.9	10
97	Enzyme-catalyzed preparation of chenodeoxycholic esters by an immobilized heterologous <i>Rhizopus oryzae</i> lipase. <i>Journal of Molecular Catalysis B: Enzymatic</i> , 2015, 118, 36-42.	1.8	10
98	Truncated Prosequence of <i>Rhizopus oryzae</i> Lipase: Key Factor for Production Improvement and Biocatalyst Stability. <i>Catalysts</i> , 2019, 9, 961.	3.5	10
99	On-line monitoring of lipolytic activity by sequential injection analysis. <i>Biotechnology Letters</i> , 2000, 22, 1783-1788.	2.2	9
100	Recombinant <i>Candida rugosa</i> lipase 2 from <i>Pichia pastoris</i> : Immobilization and use as biocatalyst in a stereoselective reaction. <i>Biotechnology Progress</i> , 2010, 26, 1252-1258.	2.6	9
101	Exploring substrate specificities of a recombinant <i>Rhizopus oryzae</i> lipase in biodiesel synthesis. <i>New Biotechnology</i> , 2017, 39, 59-67.	4.4	9
102	Biodiesel synthesis in a solvent-free system by recombinant <i>Rhizopus oryzae</i> : comparative study between a stirred tank and a packed-bed batch reactor. <i>Biocatalysis and Biotransformation</i> , 2017, 35, 35-40.	2.0	8
103	Scalable production and application of <i>Pichia pastoris</i> whole cell catalysts expressing human cytochrome P450 2C9. <i>Microbial Cell Factories</i> , 2021, 20, 90.	4.0	8
104	On-line determination of the total lipolytic activity in a four-phase system using a lipase adsorption law. <i>Journal of Bioscience and Bioengineering</i> . 1999, 87, 500-506.	2.2	7
105	A New Procedure for Water Decarbonation Process Control. <i>Industrial &amp; Engineering Chemistry Research</i> , 1994, 33, 1501-1509.	3.7	6
106	Effect of Fermentation Conditions in the Enzymatic Activity and Stereoselectivity of Crude Lipase from <i>Candida rugosa</i> . <i>Applied Biochemistry and Biotechnology</i> , 1999, 80, 65-76.	2.9	6
107	Improved ethyl butyrate synthesis catalyzed by an immobilized recombinant <i>Rhizopus oryzae</i> lipase: A comprehensive statistical study by production, reaction rate and yield analysis. <i>Journal of Molecular Catalysis B: Enzymatic</i> , 2016, 133, S371-S376.	1.8	6
108	Constitutive Expression in <i>Komagataella phaffii</i> of Mature <i>Rhizopus oryzae</i> Lipase Jointly with Its Truncated Prosequence Improves Production and the Biocatalyst Operational Stability. <i>Catalysts</i> , 2021, 11, 1192.	3.5	6



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109	Innovative Bioprocess Strategies Combining Physiological Control and Strain Engineering of <i>Pichia pastoris</i> to Improve Recombinant Protein Production. <i>Frontiers in Bioengineering and Biotechnology</i> , 2022, 10, 818434.	4.1	6
110	Near Infrared Spectroscopy: A useful technique for inline monitoring of the enzyme catalyzed biosynthesis of third-generation biodiesel from waste cooking oil. <i>Fuel</i> , 2022, 319, 123794.	6.4	6
111	Enzymatic microreactors for the determination of ethanol by an automatic sequential injection analysis system. <i>Applied Biochemistry and Biotechnology</i> , 2007, 137-140, 17-25.	2.9	5
112	Increase of <i>Candida antarctica</i> lipase B production under PGK promoter in <i>Pichia pastoris</i> : effect of multicopies. <i>Brazilian Journal of Microbiology</i> , 2019, 50, 405-413.	2.0	5
113	Use of a Focused Microwave System for the Determination of Kjeldahl Nitrogen in Industrial Wastewaters. <i>Analytical Letters</i> , 2005, 38, 2415-2430.	1.8	4
114	Producing Natural Flavours from Isoamyl Alcohol and Fusel Oil by Using Immobilised <i>Rhizopus oryzae</i> Lipase. <i>Catalysts</i> , 2022, 12, 639.	3.5	4
115	Strategies in lipase production by immobilized <i>Candida rugosa</i> cells. <i>Applied Biochemistry and Biotechnology</i> , 1996, 59, 15-24.	2.9	3
116	Title is missing!. <i>Microbial Cell Factories</i> , 2006, 5, S13.	4.0	3
117	Bioprocess Engineering of <i>Pichia pastoris</i> , an Exciting Host Eukaryotic Cell Expression System. , 0, , .		3
118	Utilization of discard bovine bone as a support for immobilization of recombinant <i>Rhizopus oryzae</i> lipase expressed in <i>Pichia pastoris</i> . <i>Biotechnology Progress</i> , 2016, 32, 1246-1253.	2.6	3
119	Solid-surface activated recombinant <i>Rhizopus oryzae</i> lipase expressed in <i>Pichia pastoris</i> and chemically modified variants as efficient catalysts in the synthesis of hydroxy monodeprotected glycals. <i>Catalysis Science and Technology</i> , 2017, 7, 1766-1775.	4.1	3
120	Recent Advances in <i>Pichia pastoris</i> as Host for Heterologous Expression System for Lipases: A Review. <i>Methods in Molecular Biology</i> , 2018, 1835, 205-216.	0.9	3
121	Model Based Soft-Sensor for On-Line Determination of Substrate. <i>Applied Biochemistry and Biotechnology</i> , 2004, 113, 137-144.	2.9	2
122	Sorbitol co-feeding an efficient strategy to reduce metabolic burden caused by the overexpression of a <i>Rhizopus oryzae</i> lipase in <i>Pichia pastoris</i> . <i>Journal of Biotechnology</i> , 2007, 131, S76.	3.8	2
123	Production of a sterol esterase from <i>Ophiostoma piceae</i> in batch and fed-batch bioprocesses using different <i>Pichia pastoris</i> phenotypes as cell factory. <i>Biotechnology Progress</i> , 2014, 30, 1012-1020.	2.6	2
124	Biochemical characterization and studies of adsorption and immobilization of recombinant <i>Rhizopus oryzae</i> lipase expressed in <i>Pichia pastoris</i> . <i>New Biotechnology</i> , 2009, 25, S112.	4.4	1
125	Title is missing!. <i>Microbial Cell Factories</i> , 2006, 5, P53.	4.0	0
126	Effect of methanol concentration on the production of <i>Rhizopus oryzae</i> lipase by a recombinant <i>Pichia pastoris</i> Mut <sup>+</sup> phenotype with a simple methanol model-based control. <i>Journal of Biotechnology</i> , 2007, 131, S140.	3.8	0



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127	Production of low caloric structured lipids containing medium chain fatty acids, catalyzed by immobilized heterologous <i>Rhizopus oryzae</i> lipase. <i>New Biotechnology</i> , 2009, 25, S111.	4.4	0
128	Screening of noncommercial biocatalysts for the production of human milk fat substitutes. <i>New Biotechnology</i> , 2009, 25, S120-S120.	4.4	0