

Nadia Krieger

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133
papers

3,044
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28
h-index

51
g-index

150
ext. papers

3,289
ext. citations

4.6
avg, IF

5
L-index

#	Paper	IF	Citations
133	Recent developments in microbial inulinases. Its production, properties, and industrial applications. <i>Applied Biochemistry and Biotechnology</i> , 1999 , 81, 35-52	3.2	178
132	New developments in solid-state fermentation. <i>Process Biochemistry</i> , 2000 , 35, 1211-1225	4.8	154
131	A review of recent developments in modeling of microbial growth kinetics and intraparticle phenomena in solid-state fermentation. <i>Biochemical Engineering Journal</i> , 2004 , 17, 15-26	4.2	133
130	Identification and characterization of a new true lipase isolated through metagenomic approach. <i>Microbial Cell Factories</i> , 2011 , 10, 54	6.4	127
129	Molecular and structural characterization of the biosurfactant produced by <i>Pseudomonas aeruginosa</i> DAUPE 614. <i>Chemistry and Physics of Lipids</i> , 2007 , 147, 1-13	3.7	122
128	Activity and stability of a crude lipase from <i>Penicillium aurantiogriseum</i> in aqueous media and organic solvents. <i>Biochemical Engineering Journal</i> , 2004 , 18, 65-71	4.2	105
127	Synthesis of biodiesel in column fixed-bed bioreactor using the fermented solid produced by <i>Burkholderia cepacia</i> LTEB11. <i>Process Biochemistry</i> , 2010 , 45, 1348-1354	4.8	94
126	Recent developments in modeling of solid-state fermentation: heat and mass transfer in bioreactors. <i>Biochemical Engineering Journal</i> , 2003 , 13, 137-147	4.2	90
125	Esterification and transesterification reactions catalysed by addition of fermented solids to organic reaction media. <i>Journal of Molecular Catalysis B: Enzymatic</i> , 2007 , 44, 8-13		88
124	Biodiesel production from soybean soapstock acid oil by hydrolysis in subcritical water followed by lipase-catalyzed esterification using a fermented solid in a packed-bed reactor. <i>Biochemical Engineering Journal</i> , 2013 , 81, 15-23	4.2	83
123	First evidence for the salt-dependent folding and activity of an esterase from the halophilic archaea <i>Haloarcula marismortui</i> . <i>Biochimica Et Biophysica Acta - Molecular and Cell Biology of Lipids</i> , 2009 , 1791, 719-29	5	78
122	Production of pectinases by solid-state fermentation of a mixture of citrus waste and sugarcane bagasse in a pilot-scale packed-bed bioreactor. <i>Biochemical Engineering Journal</i> , 2016 , 111, 54-62	4.2	74
121	Scale-up strategies for packed-bed bioreactors for solid-state fermentation. <i>Process Biochemistry</i> , 1999 , 35, 167-178	4.8	72
120	Production of surfactin by <i>Bacillus pumilus</i> UFPEDA 448 in solid-state fermentation using a medium based on okara with sugarcane bagasse as a bulking agent. <i>Process Biochemistry</i> , 2012 , 47, 1848-1855	4.8	69
119	Hydrolysis and synthesis reactions catalysed by <i>Thermomyces lanuginosa</i> lipase in the AOT/Isocetane reversed micellar system. <i>Journal of Molecular Catalysis B: Enzymatic</i> , 2004 , 30, 43-49		69
118	Thermal denaturation: is solid-state fermentation really a good technology for the production of enzymes?. <i>Bioresource Technology</i> , 2004 , 93, 261-8	11	63
117	Production of pectinases by solid-state fermentation in a pilot-scale packed-bed bioreactor. <i>Chemical Engineering Journal</i> , 2016 , 283, 1009-1018	14.7	56

116	Production of rhamnolipids in solid-state cultivation using a mixture of sugarcane bagasse and corn bran supplemented with glycerol and soybean oil. <i>Applied Microbiology and Biotechnology</i> , 2011 , 89, 1395-403	5.7	48
115	Lipase from a Brazilian strain of <i>Penicillium citrinum</i> . <i>Applied Biochemistry and Biotechnology</i> , 1994 , 49, 59-74	3.2	46
114	Evaluation of the potential for use in biocatalysis of a lipase from a wild strain of <i>Bacillus megaterium</i> . <i>Journal of Molecular Catalysis B: Enzymatic</i> , 2004 , 31, 53-61		40
113	Screening <i>Botryosphaeria</i> species for lipases: Production of lipase by <i>Botryosphaeria ribis</i> EC-01 grown on soybean oil and other carbon sources. <i>Enzyme and Microbial Technology</i> , 2009 , 45, 426-431	3.8	38
112	Optimization of the production of rhamnolipids by <i>Pseudomonas aeruginosa</i> UFPEDA 614 in solid-state culture. <i>Applied Microbiology and Biotechnology</i> , 2008 , 81, 441-8	5.7	38
111	Overview of solid state bioprocessing. <i>Biotechnology Annual Review</i> , 2002 , 8, 183-225		37
110	A mathematical model describing the effect of temperature variations on the kinetics of microbial growth in solid-state culture. <i>Process Biochemistry</i> , 2005 , 40, 801-807	4.8	35
109	Biochemical engineering aspects of solid state bioprocessing. <i>Advances in Biochemical Engineering/Biotechnology</i> , 2000 , 68, 61-138	1.7	34
108	Intermittent agitation contributes to uniformity across the bed during pectinase production by <i>Aspergillus niger</i> grown in solid-state fermentation in a pilot-scale packed-bed bioreactor. <i>Biochemical Engineering Journal</i> , 2017 , 121, 1-12	4.2	33
107	Pectinase activity determination: an early deceleration in the release of reducing sugars throws a spanner in the works!. <i>PLoS ONE</i> , 2014 , 9, e109529	3.7	33
106	Optimization studies to develop a low-cost medium for production of the lipases of <i>Rhizopus microsporus</i> by solid-state fermentation and scale-up of the process to a pilot packed-bed bioreactor. <i>Process Biochemistry</i> , 2017 , 62, 37-47	4.8	29
105	Transesterification of castor oil in a solvent-free medium using the lipase from <i>Burkholderia cepacia</i> LTEB11 immobilized on a hydrophobic support. <i>Fuel</i> , 2014 , 117, 458-462	7.1	27
104	Purification of the <i>Penicillium citrinum</i> Lipase Using AOT Reversed Micelles. <i>Journal of Chemical Technology and Biotechnology</i> , 1997 , 69, 77-85	3.5	27
103	Biodiesel production by solvent-free ethanolysis of palm oil catalyzed by fermented solids containing lipases of <i>Burkholderia contaminans</i> . <i>Biochemical Engineering Journal</i> , 2017 , 127, 77-86	4.2	26
102	Immobilization and characterization of a new regioselective and enantioselective lipase obtained from a metagenomic library. <i>PLoS ONE</i> , 2015 , 10, e0114945	3.7	26
101	Synthesis of Ethylic Esters for Biodiesel Purposes Using Lipases Naturally Immobilized in a Fermented Solid Produced Using <i>Rhizopus microsporus</i> . <i>Energy & Fuels</i> , 2014 , 28, 5197-5203	4.1	25
100	Production of rhamnolipids in solid-state cultivation: Characterization, downstream processing and application in the cleaning of contaminated soils. <i>Biotechnology Journal</i> , 2009 , 4, 748-55	5.6	24
99	An efficient system for catalyzing ester synthesis using a lipase from a newly isolated <i>Burkholderia cepacia</i> strain. <i>Biocatalysis and Biotransformation</i> , 2008 , 26, 197-203	2.5	24

98	Scale-up of biodiesel synthesis in a closed-loop packed-bed bioreactor system using the fermented solid produced by <i>Burkholderia lata</i> LTEB11. <i>Chemical Engineering Journal</i> , 2017 , 316, 341-349	14.7	23
97	Immobilization of LipC12, a new lipase obtained by metagenomics, and its application in the synthesis of biodiesel esters. <i>Journal of Molecular Catalysis B: Enzymatic</i> , 2015 , 116, 45-51		23
96	Analysis of multiphasic behavior during the ethyl esterification of fatty acids catalyzed by a fermented solid with lipolytic activity in a packed-bed bioreactor in a closed-loop batch system. <i>Fuel</i> , 2015 , 159, 364-372	7.1	23
95	Recent Trends in Biomaterials for Immobilization of Lipases for Application in Non-Conventional Media. <i>Catalysts</i> , 2020 , 10, 697	4	23
94	Conversion of orange peel to L-galactonic acid in a consolidated process using engineered strains of <i>Aspergillus niger</i> . <i>AMB Express</i> , 2014 , 4, 33	4.1	23
93	The potential for establishment of axial temperature profiles during solid-state fermentation in rotating drum bioreactors. <i>Biotechnology and Bioengineering</i> , 2002 , 80, 114-22	4.9	23
92	Functional properties of yam bean (<i>Pachyrhizus erosus</i>) starch. <i>Bioresource Technology</i> , 2003 , 89, 103-6	11	23
91	Biodiesel: Raw Materials, Production Technologies and Fuel Properties. <i>Revista Virtual De Quimica</i> , 2017 , 9, 317-369	1.3	23
90	New Heterofunctional Supports Based on Glutaraldehyde-Activation: A Tool for Enzyme Immobilization at Neutral pH. <i>Molecules</i> , 2017 , 22,	4.8	21
89	Production of microbial biosurfactants by solid-state cultivation. <i>Advances in Experimental Medicine and Biology</i> , 2010 , 672, 203-10	3.6	21
88	A model for growth of a single fungal hypha based on well-mixed tanks in series: simulation of nutrient and vesicle transport in aerial reproductive hyphae. <i>PLoS ONE</i> , 2015 , 10, e0120307	3.7	20
87	Physicochemical Properties of Jacatup[(<i>Pachyrhizus erosus</i> L. Urban) Starch. <i>Starch/Staerke</i> , 1994 , 46, 245-247	2.3	20
86	Kinetic characterization of penicillium citrinum lipase in AOT/Isocetane-reversed micelles. <i>Applied Biochemistry and Biotechnology</i> , 1997 , 67, 87-95	3.2	19
85	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> , 2018 , 41, 573-583	3.7	18
84	The introduction of the fungal D-galacturonate pathway enables the consumption of D-galacturonic acid by <i>Saccharomyces cerevisiae</i> . <i>Microbial Cell Factories</i> , 2016 , 15, 144	6.4	18
83	A model-based investigation of the potential advantages of multi-layer packed beds in solid-state fermentation. <i>Biochemical Engineering Journal</i> , 2010 , 48, 195-203	4.2	18
82	Immobilization of laccase on hybrid layered double hydroxide. <i>Quimica Nova</i> , 2009 , 32, 1495-1499	1.6	18
81	Metagenomics: Is it a powerful tool to obtain lipases for application in biocatalysis?. <i>Biochimica Et Biophysica Acta - Proteins and Proteomics</i> , 2020 , 1868, 140320	4	17

80	A comparative study of the synthesis of n-butyl-oleate using a crude lipolytic extract of <i>Penicillium coryophilum</i> in water-restricted environments. <i>Journal of Molecular Catalysis B: Enzymatic</i> , 2005 , 34, 25-32		16
79	A three-dimensional discrete lattice-based system for modeling the growth of aerial hyphae of filamentous fungi on solid surfaces: A tool for investigating micro-scale phenomena in solid-state fermentation. <i>Biochemical Engineering Journal</i> , 2011 , 54, 164-171	4.2	15
78	Production of Fatty Acid Ethyl Esters from Waste Cooking Oil Using Novozym 435 in a Solvent-Free System. <i>Energy & Fuels</i> , 2015 , 29, 8074-8081	4.1	14
77	First co-expression of a lipase and its specific foldase obtained by metagenomics. <i>Microbial Cell Factories</i> , 2014 , 13, 171	6.4	14
76	Bioreactors for Solid-State Fermentation 2011 , 347-360		14
75	An analytical method for determining relative specificities for sequential reactions catalyzed by the same enzyme: application to the hydrolysis of triacylglycerols by lipases. <i>Journal of Biotechnology</i> , 2008 , 133, 343-50	3.7	14
74	An analytical method for determining relative specificities for sequential reactions catalyzed by the same enzyme: general formulation. <i>Biochimica Et Biophysica Acta - Proteins and Proteomics</i> , 2008 , 1784, 705-15	4	14
73	Immobilization of <i>Pseudomonas cepacia</i> lipase on layered double hydroxide of Zn/Al-Cl for kinetic resolution of rac-1-phenylethanol. <i>Enzyme and Microbial Technology</i> , 2019 , 130, 109365	3.8	13
72	Characterization of an immobilized recombinant lipase from <i>Rhizopus oryzae</i> : Synthesis of ethyl-oleate. <i>Biocatalysis and Agricultural Biotechnology</i> , 2014 , 3, 13-19	4.2	12
71	Purification of a <i>Penicillium citrinum</i> lipase by chromatographic processes. <i>Bioprocess and Biosystems Engineering</i> , 1999 , 20, 59-65		12
70	Biochemical characterization and application of a new lipase and its cognate foldase obtained from a metagenomic library derived from fat-contaminated soil. <i>International Journal of Biological Macromolecules</i> , 2019 , 137, 442-454	7.9	11
69	SPIL: Simultaneous production and immobilization of lipase from <i>Burkholderia cepacia</i> LTEB11. <i>Biocatalysis and Biotransformation</i> , 2011 , 29, 19-24	2.5	11
68	Introduction to Solid-State Fermentation Bioreactors 2006 , 33-44		11
67	A factorial approach for a sugarcane juice-based low cost culture medium: increasing the astaxanthin production by the red yeast. <i>Bioprocess and Biosystems Engineering</i> , 1998 , 19, 161		11
66	New Tailor-Made Alkyl-Aldehyde Bifunctional Supports for Lipase Immobilization. <i>Catalysts</i> , 2016 , 6, 191	4	11
65	Enhancing the enantioselectivity of the lipase from <i>Burkholderia cepacia</i> LTEB11 towards the resolution of secondary allylic alcohols. <i>Biocatalysis and Agricultural Biotechnology</i> , 2014 , 3, 146-153	4.2	10
64	Determination of the quantitative stereoselectivity fingerprint of lipases during hydrolysis of a prochiral triacylglycerol. <i>Journal of Biotechnology</i> , 2008 , 135, 168-73	3.7	10
63	Solid-State Fermentation Bioreactor Fundamentals: Introduction and Overview 2006 , 1-12		10

62	A combined sorption and kinetic model for multiphasic ethyl esterification of fatty acids from soybean soapstock acid oil catalyzed by a fermented solid with lipase activity in a solvent-free system. <i>Biochemical Engineering Journal</i> , 2017 , 120, 84-92	4.2	9
61	Enzymatic kinetic resolution of aliphatic sec -alcohols by LipG9, a metagenomic lipase. <i>Journal of Molecular Catalysis B: Enzymatic</i> , 2016 , 125, 58-63		9
60	Interesterification of fat blends using a fermented solid with lipolytic activity. <i>Journal of Molecular Catalysis B: Enzymatic</i> , 2012 , 76, 75-81		9
59	Tailoring recombinant lipases: keeping the His-tag favors esterification reactions, removing it favors hydrolysis reactions. <i>Scientific Reports</i> , 2018 , 8, 10000	4.9	9
58	Modeling the Growth of Filamentous Fungi at the Particle Scale in Solid-State Fermentation Systems. <i>Advances in Biochemical Engineering/Biotechnology</i> , 2015 , 149, 171-221	1.7	8
57	Synthesis of fatty acid ethyl esters with conventional and microwave heating systems using the free lipase B from <i>Candida antarctica</i> . <i>Biocatalysis and Biotransformation</i> , 2019 , 37, 25-34	2.5	8
56	Co-expression, purification and characterization of the lipase and foldase of <i>Burkholderia contaminans</i> LTEB11. <i>International Journal of Biological Macromolecules</i> , 2018 , 116, 1222-1231	7.9	8
55	A novel enzymatic method for the synthesis of methyl 6-O-acetyl- β -D-glucopyranoside using a fermented solid containing lipases produced by <i>Burkholderia contaminans</i> LTEB11. <i>Process Biochemistry</i> , 2018 , 73, 86-93	4.8	7
54	Conversion of citric pectin into D-galacturonic acid with high substrate loading using a fermented solid with pectinolytic activity. <i>Biocatalysis and Agricultural Biotechnology</i> , 2017 , 11, 214-219	4.2	7
53	Liquid-liquid equilibrium data and thermodynamic modeling for systems related to the production of ethyl esters of fatty acids from soybean soapstock acid oil. <i>Fuel</i> , 2015 , 147, 147-154	7.1	7
52	Fingerprinting of oligosaccharide-hydrolyzing enzymes that catalyze branched reaction schemes. <i>Biochemical Engineering Journal</i> , 2016 , 113, 93-101	4.2	7
51	Evaluation of the structural composition and surface properties of rhamnolipid mixtures produced by <i>Pseudomonas aeruginosa</i> UFPEDA 614 in different cultivation periods. <i>Applied Biochemistry and Biotechnology</i> , 2015 , 175, 988-995	3.2	6
50	Synthesis of flavor esters and structured lipids by a new immobilized lipase, LipC12, obtained from metagenomics. <i>Biocatalysis and Agricultural Biotechnology</i> , 2016 , 8, 294-300	4.2	6
49	Structure solution and analyses of the first true lipase obtained from metagenomics indicate potential for increased thermostability. <i>New Biotechnology</i> , 2019 , 53, 65-72	6.4	6
48	Atomic Force Microscopy: A Useful Tool for Evaluating Aggregation of Lipases. <i>Microscopy and Microanalysis</i> , 2005 , 11, 74-77	0.5	6
47	Production of a fermented solid containing lipases from <i>Penicillium roqueforti</i> ATCC 10110 and its direct employment in organic medium in ethyl oleate synthesis. <i>Biotechnology and Applied Biochemistry</i> , 2021 ,	2.8	6
46	Design and Operation of a Pilot-Scale Packed-Bed Bioreactor for the Production of Enzymes by Solid-State Fermentation. <i>Advances in Biochemical Engineering/Biotechnology</i> , 2019 , 169, 27-50	1.7	5
45	Colonization of solid particles by <i>Rhizopus oligosporus</i> and <i>Aspergillus oryzae</i> in solid-state fermentation involves two types of penetrative hyphae: A model-based study on how these hyphae grow. <i>Biochemical Engineering Journal</i> , 2016 , 114, 173-182	4.2	5

44	Activity and Stability of Lipase Preparations from <i>Penicillium corylophilum</i> : Potential Use in Biocatalysis. <i>Chemical Engineering and Technology</i> , 2014 , 37, 1987-1992	2	5
43	Group I Bioreactors: Un-aerated and Unmixed 2006 , 65-76		5
42	A model-based strategy for scaling-up traditional packed-bed bioreactors for solid-state fermentation based on measurement of O ₂ uptake rates. <i>Biochemical Engineering Journal</i> , 2021 , 166, 107854	4.2	5
41	Estimation of heat and mass transfer coefficients in a pilot packed-bed solid-state fermentation bioreactor. <i>Chemical Engineering Journal</i> , 2021 , 408, 127246	14.7	5
40	A new mathematical method for determining the enantiomeric ratio in lipase-catalyzed reactions. <i>Journal of Molecular Catalysis B: Enzymatic</i> , 2010 , 64, 23-28		4
39	Group III: Rotating-Drum and Stirred-Drum Bioreactors 2006 , 95-114		4
38	Fermented solids that contain lipases produced by <i>Rhizopus microsporus</i> have an S-enantiopreference in the resolution of secondary alcohols. <i>Biochemical Engineering Journal</i> , 2021 , 165, 107817	4.2	4
37	Stochastic models based on the Monte Carlo method for the hydrolysis of oligogalacturonates and polygalacturonates by endopolygalacturonases and exopolygalacturonases. <i>Chemical Engineering Journal</i> , 2017 , 322, 417-427	14.7	3
36	The Bioreactor Step of SSF: A Complex Interaction of Phenomena 2006 , 13-32		3
35	Key mutation sites for improvement of the enantioselectivity of lipases through protein engineering. <i>Biochemical Engineering Journal</i> , 2021 , 172, 108047	4.2	3
34	Crystallization and preliminary crystallographic analysis of LipC12, a true lipase isolated through a metagenomics approach. <i>Acta Crystallographica Section F: Structural Biology Communications</i> , 2012 , 68, 175-7		2
33	Environmental Solid-State Cultivation Processes and Bioreactors 2010 , 287-342		2
32	Group IVa: Continuously-Mixed, Forcefully-Aerated Bioreactors 2006 , 115-128		2
31	Group II Bioreactors: Forcefully-Aerated Bioreactors Without Mixing 2006 , 77-94		2
30	A Model of a Rotating-Drum Bioreactor 2006 , 315-330		2
29	Determination of lipase activity using image analysis. <i>Analytical Biochemistry</i> , 2006 , 351, 305-7	3.1	2
28	Immobilization and bioimprinting strategies to enhance the performance in organic medium of the metagenomic lipase LipC12. <i>Journal of Biotechnology</i> , 2021 , 342, 13-27	3.7	2
27	Fermented Solids and Their Application in the Production of Organic Compounds of Biotechnological Interest. <i>Advances in Biochemical Engineering/Biotechnology</i> , 2019 , 169, 125-146	1.7	2

26	More random-walk than autotropism: A model-based study on how aerial hyphae of <i>Rhizopus oligosporus</i> grow in solid-state fermentation. <i>Biochemical Engineering Journal</i> , 2019 , 141, 49-59	4.2	2
25	Time is of the essence: A new strategy for time-stepping in stochastic models describing the enzymatic hydrolysis of colloidal suspensions of polysaccharides. <i>Chemical Engineering Journal</i> , 2021 , 405, 126672	14.7	2
24	Kinetics of enzymatic cetyl palmitate production by esterification with fermented solid of <i>Burkholderia contaminans</i> in the presence of organic solvent. <i>Reaction Kinetics, Mechanisms and Catalysis</i> , 2021 , 132, 139-153	1.6	2
23	LipG9-mediated enzymatic kinetic resolution of racemates: Expanding the substrate-scope for a metagenomic lipase. <i>Molecular Catalysis</i> , 2019 , 473, 110402	3.3	1
22	Solid-State Cultivation Bioreactors. <i>Learning Materials in Biosciences</i> , 2019 , 105-133	0.3	1
21	Approaches to Modeling SSF Bioreactors 2006 , 159-178		1
20	Modeling of the Effects of Growth on the Local Environment 2006 , 235-248		1
19	A Model of a Well-mixed SSF Bioreactor 2006 , 295-314		1
18	Models of Packed-Bed Bioreactors 2006 , 331-348		1
17	Recent Developments in Modeling of Microbial Growth Kinetics and Intraparticle Phenomena in Solid State Fermentation. <i>ChemInform</i> , 2004 , 35, no		1
16	Immobilized lipases in sericin-dimethylolurea films as biocatalysts in esterification. <i>Chemical Papers</i> , 2019 , 73, 645-652	1.9	1
15	Performing under pressure: esterification activity of dry fermented solids in subcritical and supercritical CO. <i>Biotechnology Letters</i> , 2021 , 43, 503-509	3	1
14	Fingerprinting processive α -amylases. <i>Biochemical Engineering Journal</i> , 2018 , 137, 334-343	4.2	1
13	Genome sequencing of <i>Burkholderia contaminans</i> LTEB11 reveals a lipolytic arsenal of biotechnological interest. <i>Brazilian Journal of Microbiology</i> , 2019 , 50, 619-624	2.2	0
12	Rate equations for two enzyme-catalyzed Ping Pong bi bi reactions in series: General formulation for two reaction loops joined by a common vertex and deduction of a reaction loop selectivity factor. <i>Biochemical Engineering Journal</i> , 2022 , 177, 108234	4.2	0
11	Potential of time-stepping stochastic models as tools for guiding the design and operation of processes for the enzymatic hydrolysis of polysaccharides - A review. <i>Bioresource Technology</i> , 2021 , 323, 124559	11	0
10	Solid-State Fermentation 2019 ,		0
9	Kinetics of lipase-catalyzed kinetic resolutions of racemic compounds: Reparameterization in terms of specificity constants. <i>Biochemical Engineering Journal</i> , 2022 , 181, 108397	4.2	0

- 8 Enzymatic transglycosylation by the Ping Pong bi bi mechanism: Selectivity for transglycosylation versus primary and secondary hydrolysis. *Biochemical Engineering Journal*, **2022**, 108440 4.2 ○
- 7 Group IVb: Intermittently-Mixed Forcefully-Aerated Bioreactors **2006**, 129-140
- 6 Appropriate Levels of Complexity for Modeling SSF Bioreactors **2006**, 179-190
- 5 The Kinetic Sub-model of SSF Bioreactor Models: General Considerations **2006**, 191-206
- 4 Growth Kinetics in SSF Systems: Experimental Approaches **2006**, 207-218
- 3 Basic Features of the Kinetic Sub-model **2006**, 219-234
- 2 A Model of an Intermittently-Mixed Forcefully-Aerated Bioreactor **2006**, 349-362
- 1 Use of the Langmuir-Hinshelwood-Hougen-Watson equation to describe the ethyl esterification of fatty acids catalyzed by a fermented solid with lipase activity. *Biochemical Engineering Journal*, **2021**, 168, 107936 4.2