David Alexander Mitchell

List of Publications by Year in Descending Order

163 papers	4,970 citations	37 h-index	64 g-index
172 ext. papers	5,290 ext. citations	4.9 avg, IF	5.47 L-index

#	Paper	IF	Citations
163	Looking through a new lens: Expressing the Ping Pong bi bi equation in terms of specificity constants. *Biochemical Engineering Journal*, **2022**, 178, 108276	4.2	2
162	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. *Biochemical Engineering Journal*, **2022**, 177, 108234	4.2	0
161	Kinetics of lipase-catalyzed kinetic resolutions of racemic compounds: Reparameterization in terms of specificity constants. *Biochemical Engineering Journal*, **2022**, 181, 108397	4.2	0
160	Enzymatic transglycosylation by the Ping Pong bi bi mechanism: Selectivity for transglycosylation versus primary and secondary hydrolysis. *Biochemical Engineering Journal*, **2022**, 108440	4.2	0
159	Potential of time-stepping stochastic models as tools for guiding the design and operation of processes for the enzymatic hydrolysis of polysaccharides - A review. *Bioresource Technology*, **2021**, 323, 124559	11	0
158	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	
157	Fermented solids that contain lipases produced by Rhizopus microsporus have an S-enantiopreference in the resolution of secondary alcohols. *Biochemical Engineering Journal*, **2021**, 165, 107817	4.2	4
156	Performing under pressure: esterification activity of dry fermented solids in subcritical and supercritical CO. *Biotechnology Letters*, **2021**, 43, 503-509	3	1
155	Enhanced microalgae biomass and lipid output for increased biodiesel productivity. *Renewable Energy*, **2021**, 163, 138-145	8.1	11
154	A model-based strategy for scaling-up traditional packed-bed bioreactors for solid-state fermentation based on measurement of O2 uptake rates. *Biochemical Engineering Journal*, **2021**, 166, 107854	4.2	5
153	Time is of the essence: A new strategy for time-stepping in stochastic models describing the enzymatic hydrolysis of colloidal suspensions of polysaccharides. *Chemical Engineering Journal*, **2021**, 405, 126672	14.7	2
152	Estimation of heat and mass transfer coefficients in a pilot packed-bed solid-state fermentation bioreactor. *Chemical Engineering Journal*, **2021**, 408, 127246	14.7	5
151	Key mutation sites for improvement of the enantioselectivity of lipases through protein engineering. *Biochemical Engineering Journal*, **2021**, 172, 108047	4.2	3
150	Metagenomics: Is it a powerful tool to obtain lipases for application in biocatalysis?. *Biochimica Et Biophysica Acta - Proteins and Proteomics*, **2020**, 1868, 140320	4	17
149	CFD simulation of a packed-bed solid-state fermentation bioreactor. *Applied Mathematical Modelling*, **2019**, 70, 439-458	4.5	7
148	Genome sequencing of Burkholderia contaminans LTEB11 reveals a lipolytic arsenal of biotechnological interest. *Brazilian Journal of Microbiology*, **2019**, 50, 619-624	2.2	0
147	Design and Operation of a Pilot-Scale Packed-Bed Bioreactor for the Production of Enzymes by Solid-State Fermentation. *Advances in Biochemical Engineering/Biotechnology*, **2019**, 169, 27-50	1.7	5

146	Solid-State Cultivation Bioreactors. *Learning Materials in Biosciences*, **2019**, 105-133	0.3	1
145	Biochemical characterization and application of a new lipase and its cognate foldase obtained from a metagenomic library derived from fat-contaminated soil. *International Journal of Biological Macromolecules*, **2019**, 137, 442-454	7.9	11
144	Immobilization of Pseudomonas cepacia lipase on layered double hydroxide of Zn/Al-Cl for kinetic resolution of rac-1-phenylethanol. *Enzyme and Microbial Technology*, **2019**, 130, 109365	3.8	13
143	Fermented Solids and Their Application in the Production of Organic Compounds of Biotechnological Interest. *Advances in Biochemical Engineering/Biotechnology*, **2019**, 169, 125-146	1.7	2
142	Solid-State Fermentation **2019**,		0
141	The ammonium transporter AmtB and the PII signal transduction protein GlnZ are required to inhibit DraG in Azospirillum□brasilense. *FEBS Journal*, **2019**, 286, 1214-1229	5.7	8
140	More random-walk than autotropism: A model-based study on how aerial hyphae of Rhizopus oligosporus grow in solid-state fermentation. *Biochemical Engineering Journal*, **2019**, 141, 49-59	4.2	2
139	Optimization of biodiesel synthesis by esterification using a fermented solid produced by Rhizopus microsporus on sugarcane bagasse. *Bioprocess and Biosystems Engineering*, **2018**, 41, 573-583	3.7	18
138	A novel enzymatic method for the synthesis of methyl 6-O-acetyl-□-d-glucopyranoside using a fermented solid containing lipases produced by Burkholderia contaminans LTEB11. *Process Biochemistry*, **2018**, 73, 86-93	4.8	7
137	Co-expression, purification and characterization of the lipase and foldase of Burkholderia contaminans LTEB11. *International Journal of Biological Macromolecules*, **2018**, 116, 1222-1231	7.9	8
136	Fingerprinting processive □amylases. *Biochemical Engineering Journal*, **2018**, 137, 334-343	4.2	1
135	Tailoring recombinant lipases: keeping the His-tag favors esterification reactions, removing it favors hydrolysis reactions. *Scientific Reports*, **2018**, 8, 10000	4.9	9
134	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. *Biochemical Engineering Journal*, **2017**, 120, 84-92	4.2	9
133	Intermittent agitation contributes to uniformity across the bed during pectinase production by Aspergillus niger grown in solid-state fermentation in a pilot-scale packed-bed bioreactor. *Biochemical Engineering Journal*, **2017**, 121, 1-12	4.2	33
132	Scale-up of biodiesel synthesis in a closed-loop packed-bed bioreactor system using the fermented solid produced by Burkholderia lata LTEB11. *Chemical Engineering Journal*, **2017**, 316, 341-349	14.7	23
131	Stochastic models based on the Monte Carlo method for the hydrolysis of oligogalacturonates and polygalacturonates by endopolygalacturonases and exopolygalacturonases. *Chemical Engineering Journal*, **2017**, 322, 417-427	14.7	3
130	Conversion of citric pectin into D-galacturonic acid with high substrate loading using a fermented solid with pectinolytic activity. *Biocatalysis and Agricultural Biotechnology*, **2017**, 11, 214-219	4.2	7
129	Optimization studies to develop a low-cost medium for production of the lipases of Rhizopus microsporus by solid-state fermentation and scale-up of the process to a pilot packed-bed bioreactor. *Process Biochemistry*, **2017**, 62, 37-47	4.8	29

128	Biodiesel production by solvent-free ethanolysis of palm oil catalyzed by fermented solids containing lipases of Burkholderia contaminans. *Biochemical Engineering Journal*, **2017**, 127, 77-86	4.2	26
127	Production of pectinases by solid-state fermentation in a pilot-scale packed-bed bioreactor. *Chemical Engineering Journal*, **2016**, 283, 1009-1018	14.7	56
126	The introduction of the fungal D-galacturonate pathway enables the consumption of D-galacturonic acid by Saccharomyces cerevisiae. *Microbial Cell Factories*, **2016**, 15, 144	6.4	18
125	Colonization of solid particles by Rhizopus oligosporus and Aspergillus oryzae in solid-state fermentation involves two types of penetrative hyphae: A model-based study on how these hyphae grow. *Biochemical Engineering Journal*, **2016**, 114, 173-182	4.2	5
124	Synthesis of flavor esters and structured lipids by a new immobilized lipase, LipC12, obtained from metagenomics. *Biocatalysis and Agricultural Biotechnology*, **2016**, 8, 294-300	4.2	6
123	Production of pectinases by solid-state fermentation of a mixture of citrus waste and sugarcane bagasse in a pilot-scale packed-bed bioreactor. *Biochemical Engineering Journal*, **2016**, 111, 54-62	4.2	74
122	Fingerprinting of oligosaccharide-hydrolyzing enzymes that catalyze branched reaction schemes. *Biochemical Engineering Journal*, **2016**, 113, 93-101	4.2	7
121	Modeling the Growth of Filamentous Fungi at the Particle Scale in Solid-State Fermentation Systems. *Advances in Biochemical Engineering/Biotechnology*, **2015**, 149, 171-221	1.7	8
120	Immobilization of LipC12, a new lipase obtained by metagenomics, and its application in the synthesis of biodiesel esters. *Journal of Molecular Catalysis B: Enzymatic*, **2015**, 116, 45-51		23
119	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. *Fuel*, **2015**, 159, 364-372	7.1	23
118	Evaluation of the structural composition and surface properties of rhamnolipid mixtures produced by Pseudomonas aeruginosa UFPEDA 614 in different cultivation periods. *Applied Biochemistry and Biotechnology*, **2015**, 175, 988-95	3.2	6
117	Immobilization and characterization of a new regioselective and enantioselective lipase obtained from a metagenomic library. *PLoS ONE*, **2015**, 10, e0114945	3.7	26
116	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. *PLoS ONE*, **2015**, 10, e0120307	3.7	20
115	Liquid–liquid equilibrium data and thermodynamic modeling for systems related to the production of ethyl esters of fatty acids from soybean soapstock acid oil. *Fuel*, **2015**, 147, 147-154	7.1	7
114	Enhancing the enantioselectivity of the lipase from Burkholderia cepacia LTEB11 towards the resolution of secondary allylic alcohols. *Biocatalysis and Agricultural Biotechnology*, **2014**, 3, 146-153	4.2	10
113	Characterization of an immobilized recombinant lipase from Rhizopus oryzae: Synthesis of ethyl-oleate. *Biocatalysis and Agricultural Biotechnology*, **2014**, 3, 13-19	4.2	12
112	Mathematical model of the CO2 solubilisation reaction rates developed for the study of photobioreactors. *Canadian Journal of Chemical Engineering*, **2014**, 92, 787-795	2.3	10
111	Optimal operating conditions for maximum biogas production in anaerobic bioreactors. *Applied Thermal Engineering*, **2014**, 62, 197-206	5.8	11

110	Synthesis of Ethylic Esters for Biodiesel Purposes Using Lipases Naturally Immobilized in a Fermented Solid Produced Using Rhizopus microsporus. *Energy & Fuels*, **2014**, 28, 5197-5203	4.1	25
109	Conversion of orange peel to L-galactonic acid in a consolidated process using engineered strains of Aspergillus niger. *AMB Express*, **2014**, 4, 33	4.1	23
108	Transesterification of castor oil in a solvent-free medium using the lipase from Burkholderia cepacia LTEB11 immobilized on a hydrophobic support. *Fuel*, **2014**, 117, 458-462	7.1	27
107	Pectinase activity determination: an early deceleration in the release of reducing sugars throws a spanner in the works!. *PLoS ONE*, **2014**, 9, e109529	3.7	33
106	First co-expression of a lipase and its specific foldase obtained by metagenomics. *Microbial Cell Factories*, **2014**, 13, 171	6.4	14
105	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. *Biochemical Engineering Journal*, **2013**, 81, 15-23	4.2	83
104	Modeling and simulation of the microalgae derived hydrogen process in compact photobioreactors **2013**,		1
103	Mathematical model of the binding of allosteric effectors to the Escherichia coli PII signal transduction protein GlnB. *Biochemistry*, **2013**, 52, 2683-93	3.2	9
102	Interesterification of fat blends using a fermented solid with lipolytic activity. *Journal of Molecular Catalysis B: Enzymatic*, **2012**, 76, 75-81		9
101	Production of surfactin by Bacillus pumilus UFPEDA 448 in solid-state fermentation using a medium based on okara with sugarcane bagasse as a bulking agent. *Process Biochemistry*, **2012**, 47, 1848-1855	4.8	69
100	Rheological characterization of a xanthan-galactomannan hydrogel loaded with lipophilic substances. *Journal of Pharmaceutical Sciences*, **2012**, 101, 2457-67	3.9	14
99	Production of rhamnolipids in solid-state cultivation using a mixture of sugarcane bagasse and corn bran supplemented with glycerol and soybean oil. *Applied Microbiology and Biotechnology*, **2011**, 89, 1395-403	5.7	48
98	Identification and characterization of a new true lipase isolated through metagenomic approach. *Microbial Cell Factories*, **2011**, 10, 54	6.4	127
97	Degalatosylation of xyloglucan: Effect on aggregation and conformation, as determined by time dependent static light scattering, HPSEC-MALLS and viscosimetry. *Carbohydrate Polymers*, **2011**, 83, 1636-1642	10.3	25
96	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. *Biochemical Engineering Journal*, **2011**, 54, 164-171	4.2	15
95	SPIL: Simultaneous production and immobilization of lipase from Burkholderia cepacia LTEB11. *Biocatalysis and Biotransformation*, **2011**, 29, 19-24	2.5	11
94	Production of microbial biosurfactants by solid-state cultivation. *Advances in Experimental Medicine and Biology*, **2010**, 672, 203-10	3.6	21
93	Environmental Solid-State Cultivation Processes and Bioreactors **2010**, 287-342		2

92	A new mathematical method for determining the enantiomeric ratio in lipase-catalyzed reactions. *Journal of Molecular Catalysis B: Enzymatic*, **2010**, 64, 23-28		4
91	Synthesis of biodiesel in column fixed-bed bioreactor using the fermented solid produced by Burkholderia cepacia LTEB11. *Process Biochemistry*, **2010**, 45, 1348-1354	4.8	94
90	Decolorization and biodegradation of reactive blue 220 textile dye by Lentinus crinitus extracellular extract. *Journal of Hazardous Materials*, **2010**, 180, 316-22	12.8	46
89	A model-based investigation of the potential advantages of multi-layer packed beds in solid-state fermentation. *Biochemical Engineering Journal*, **2010**, 48, 195-203	4.2	18
88	Exopolysaccharide from surface-liquid culture of Clonostachys rosea originates from autolysis of the biomass. *Archives of Microbiology*, **2009**, 191, 369-78	3	10
87	Production of polyhydroxyalkanoates (PHAs) from waste materials and by-products by submerged and solid-state fermentation. *Bioresource Technology*, **2009**, 100, 5996-6009	11	228
86	Production of rhamnolipids in solid-state cultivation: Characterization, downstream processing and application in the cleaning of contaminated soils. *Biotechnology Journal*, **2009**, 4, 748-55	5.6	24
85	First evidence for the salt-dependent folding and activity of an esterase from the halophilic archaea Haloarcula marismortui. *Biochimica Et Biophysica Acta - Molecular and Cell Biology of Lipids*, **2009**, 1791, 719-29	5	78
84	An analytical method for determining relative specificities for sequential reactions catalyzed by the same enzyme: application to the hydrolysis of triacylglycerols by lipases. *Journal of Biotechnology*, **2008**, 133, 343-50	3.7	14
83	Determination of the quantitative stereoselectivity fingerprint of lipases during hydrolysis of a prochiral triacylglycerol. *Journal of Biotechnology*, **2008**, 135, 168-73	3.7	10
82	An efficient system for catalyzing ester synthesis using a lipase from a newly isolated Burkholderia cepacia strain. *Biocatalysis and Biotransformation*, **2008**, 26, 197-203	2.5	24
81	Optimization of the production of rhamnolipids by Pseudomonas aeruginosa UFPEDA 614 in solid-state culture. *Applied Microbiology and Biotechnology*, **2008**, 81, 441-8	5.7	38
80	An analytical method for determining relative specificities for sequential reactions catalyzed by the same enzyme: general formulation. *Biochimica Et Biophysica Acta - Proteins and Proteomics*, **2008**, 1784, 705-15	4	14
79	Spore production in solid-state fermentation of rice by Clonostachys rosea, a biopesticide for gray mold of strawberries. *Process Biochemistry*, **2007**, 42, 275-278	4.8	21
78	Synthesis of myrcene by pyrolysis of β-pinene: Analysis of decomposition reactions. *Journal of Analytical and Applied Pyrolysis*, **2007**, 80, 92-100	6	38
77	Esterification and transesterification reactions catalysed by addition of fermented solids to organic reaction media. *Journal of Molecular Catalysis B: Enzymatic*, **2007**, 44, 8-13		88
76	Molecular and structural characterization of the biosurfactant produced by Pseudomonas aeruginosa DAUPE 614. *Chemistry and Physics of Lipids*, **2007**, 147, 1-13	3.7	122
75	Continuous solid-state fermentation as affected by substrate flow pattern. *Chemical Engineering Science*, **2006**, 61, 2675-2687	4.4	9

74	Bed moisture estimation by monitoring of air stream temperature rise in packed-bed solid-state fermentation. *Chemical Engineering Science*, **2006**, 61, 5654-5663	4.4	29
73	Preliminary characterisation of a lipolytic activity from an extremely halophilic archaeon, Natronococcus sp.. *Journal of Molecular Catalysis B: Enzymatic*, **2006**, 41, 21-26		59
72	Application of Automatic Control Strategies to SSF Bioreactors **2006**, 387-402		2
71	Solid-State Fermentation Bioreactor Fundamentals: Introduction and Overview **2006**, 1-12		10
70	Group III: Rotating-Drum and Stirred-Drum Bioreactors **2006**, 95-114		4
69	Appropriate Levels of Complexity for Modeling SSF Bioreactors **2006**, 179-190		
68	Modeling of the Effects of Growth on the Local Environment **2006**, 235-248		1
67	Modeling of Heat and Mass Transfer in SSF Bioreactors **2006**, 249-264		
66	Estimation of Transfer Coefficients for SSF Bioreactors **2006**, 279-290		
65	A Model of a Rotating-Drum Bioreactor **2006**, 315-330		2
64	Models of Packed-Bed Bioreactors **2006**, 331-348		1
63	A Model of an Intermittently-Mixed Forcefully-Aerated Bioreactor **2006**, 349-362		
62	Determination of lipase activity using image analysis. *Analytical Biochemistry*, **2006**, 351, 305-7	3.1	2
61	A mathematical model describing the effect of temperature variations on the kinetics of microbial growth in solid-state culture. *Process Biochemistry*, **2005**, 40, 801-807	4.8	35
60	A comparative study of the synthesis of n-butyl-oleate using a crude lipolytic extract of Penicillum coryophilum in water-restricted environments. *Journal of Molecular Catalysis B: Enzymatic*, **2005**, 34, 25-32		16
59	Hydrolysis and synthesis reactions catalysed by Thermomyces lanuginosa lipase in the AOT/Isooctane reversed micellar system. *Journal of Molecular Catalysis B: Enzymatic*, **2004**, 30, 43-49		69
58	Evaluation of the potential for use in biocatalysis of a lipase from a wild strain of Bacillus megaterium. *Journal of Molecular Catalysis B: Enzymatic*, **2004**, 31, 53-61		40
57	A review of recent developments in modeling of microbial growth kinetics and intraparticle phenomena in solid-state fermentation. *Biochemical Engineering Journal*, **2004**, 17, 15-26	4.2	133

56	Activity and stability of a crude lipase from Penicillium aurantiogriseum in aqueous media and organic solvents. *Biochemical Engineering Journal*, **2004**, 18, 65-71	4.2	105
55	Investigating the use of cooling surfaces in solid-state fermentation tray bioreactors: modelling and experimentation. *Journal of Chemical Technology and Biotechnology*, **2004**, 79, 1228-1242	3.5	20
54	Recent Developments in Modeling of Microbial Growth Kinetics and Intraparticle Phenomena in Solid State Fermentation. *ChemInform*, **2004**, 35, no		1
53	Thermal denaturation: is solid-state fermentation really a good technology for the production of enzymes?. *Bioresource Technology*, **2004**, 93, 261-8	11	63
52	Control strategies for intermittently mixed, forcefully aerated solid-state fermentation bioreactors based on the analysis of a distributed parameter model. *Chemical Engineering Science*, **2004**, 59, 4493-4504	4.4	34
51	Links between morphology and physiology of Ganoderma lucidum in submerged culture for the production of exopolysaccharide. *Journal of Biotechnology*, **2004**, 114, 153-64	3.7	41
50	Mathematical model of heat transfer during solid-state fermentation in well-mixed rotating drum bioreactors. *Journal of Chemical Technology and Biotechnology*, **2003**, 78, 1180-1192	3.5	21
49	Use of confocal microscopy to follow the development of penetrative hyphae during growth of Rhizopus oligosporus in an artificial solid-state fermentation system. *Biotechnology and Bioengineering*, **2003**, 81, 438-47	4.9	17
48	Use of confocal scanning laser microscopy to measure the concentrations of aerial and penetrative hyphae during growth of Rhizopus oligosporus on a solid surface. *Biotechnology and Bioengineering*, **2003**, 84, 71-7	4.9	25
47	Recent developments in modeling of solid-state fermentation: heat and mass transfer in bioreactors. *Biochemical Engineering Journal*, **2003**, 13, 137-147	4.2	90
46	A two-phase model for water and heat transfer within an intermittently-mixed solid-state fermentation bioreactor with forced aeration. *Biotechnology and Bioengineering*, **2002**, 79, 416-28	4.9	61
45	The potential for establishment of axial temperature profiles during solid-state fermentation in rotating drum bioreactors. *Biotechnology and Bioengineering*, **2002**, 80, 114-22	4.9	23
44	Axial mixing in rotating drums using magnetic resonance imaging using bran as a model for solid state fermentations. *Biotechnology Letters*, **2002**, 24, 521-525	3	7
43	Mass transfer correlations for rotating drum bioreactors. *Journal of Biotechnology*, **2002**, 97, 89-101	3.7	19
42	Overview of solid state bioprocessing. *Biotechnology Annual Review*, **2002**, 8, 183-225		37
41	Microbial conversion of lignocellulosic residues for production of animal feeds. *Animal Feed Science and Technology*, **2002**, 98, 1-12	3	87
40	Residence time distributions of gas flowing through rotating drum bioreactors. *Biotechnology and Bioengineering*, **2001**, 74, 145-53	4.9	20
39	Approach to designing rotating drum bioreactors for solid-state fermentation on the basis of dimensionless design factors **2000**, 67, 274-282		26

38	Mathematical modeling as a tool to investigate the design and operation of the zymotis packed-bed bioreactor for solid-state fermentation. *Biotechnology and Bioengineering*, **2000**, 68, 127-35	4.9	51
37	Two-phase model of the kinetics of growth of Rhizopus oligosporus in membrane culture. *Biotechnology and Bioengineering*, **2000**, 68, 619-27	4.9	29
36	New developments in solid state fermentation: I-bioprocesses and products. *Process Biochemistry*, **2000**, 35, 1153-1169	4.8	729
35	New developments in solid-state fermentation. *Process Biochemistry*, **2000**, 35, 1211-1225	4.8	154
34	Biochemical engineering aspects of solid state bioprocessing. *Advances in Biochemical Engineering/Biotechnology*, **2000**, 68, 61-138	1.7	34
33	Scale-up strategies for packed-bed bioreactors for solid-state fermentation. *Process Biochemistry*, **1999**, 35, 167-178	4.8	72
32	Evaluating strategies for overcoming overheating problems during solid-state fermentation in packed bed bioreactors. *Biochemical Engineering Journal*, **1999**, 3, 141-150	4.2	64
31	Solid-state fermentation in rotating drum bioreactors: operating variables affect performance through their effects on transport phenomena. *Biotechnology and Bioengineering*, **1999**, 63, 383-91	4.9	49
30	Response of Rhizopus oligosporus to temporal temperature profiles in a model solid-state fermentation system. *Biotechnology and Bioengineering*, **1999**, 64, 722-8	4.9	24
29	Mimicking gas and temperature changes during enzyme production by Rhizopus oligosporus in solid-state fermentation. *Biotechnology Letters*, **1998**, 20, 349-353	3	4
28	O2 uptake during solid-state fermentation in a rotating drum bioreactor. *Biotechnology Letters*, **1998**, 20, 607-611	3	22
27	Oxygen uptake kinetics during solid state fermentation with Rhizopus oligosporus. *Biotechnology Letters*, **1998**, 12, 171-175		17
26	Modelling fungal growth on surfaces. *Biotechnology Letters*, **1998**, 12, 313-318		25
25	Selection of a strain of Aspergillus for the production of citric acid from pineapple waste in solid-state fermentation. *World Journal of Microbiology and Biotechnology*, **1998**, 14, 399-404	4.4	45
24	Validation of a model describing two-dimensional heat transfer during solid-state fermentation in packed bed bioreactors **1998**, 60, 739-749		77
23	The use of dilution rate cycling to stabilise recombinant plasmids in continuous culture of recombinant Saccharomyces cerevisiae. *Journal of Biotechnology*, **1996**, 45, 205-210	3.7	4
22	Leaching and characterization of Rhizopus oligosporus acid protease from solid-state fermentation. *Enzyme and Microbial Technology*, **1996**, 19, 171-175	3.8	47
21	Pineapple waste - a novel substrate for citric acid production by solid-state fermentation. *Biotechnology Letters*, **1995**, 17, 1107-1110	3	52

20	Baffles increase performance of solid-state fermentation in rotating drum bioreactors. *Biotechnology Letters*, **1995**, 9, 295-298		30
19	Incorporation of death kinetics into a 2-dimensional dynamic heat transfer model for solid state fermentation. *Journal of Chemical Technology and Biotechnology*, **1995**, 64, 253-260	3.5	40
18	Protease production by Rhizopus oligosporus in solid-state fermentation. *World Journal of Microbiology and Biotechnology*, **1994**, 10, 320-4	4.4	25
17	Operational parameters for packed beds in solid-state cultivation. *Biotechnology Advances*, **1993**, 11, 599-610	17.8	24
16	Transient two dimensional heat conduction by orthogonal collocation technique. *International Communications in Heat and Mass Transfer*, **1993**, 20, 557-566	5.8	5
15	A packed bed solid-state cultivation system for the production of animal feed: Cultivation, drying and product quality. *Biotechnology Letters*, **1992**, 14, 623-628	3	10
14	Data analysis of plasmid stability in continuous culture of recombinantSaccharomyces cerevisiae. *Biotechnology Letters*, **1992**, 6, 393-398		4
13	An empirical model of growth of Rhizopus oligosporus in solid-state fermentation. *Journal of Bioscience and Bioengineering*, **1991**, 72, 224-226		13
12	A semimechanistic mathematical model for growth of Rhizopus oligosporus in a model solid-state fermentation system. *Biotechnology and Bioengineering*, **1991**, 38, 353-62	4.9	54
11	Protein measurement in solid-state fermentation. *Biotechnology Letters*, **1991**, 5, 437-442		11
10	Protein enrichment of sago starch by solid-state fermentation with Rhizopus spp. *World Journal of Microbiology and Biotechnology*, **1991**, 7, 419-27	4.4	8
9	Mode of growth ofRhizopus oligosporus on a model substrate in solid-state fermentation. *World Journal of Microbiology and Biotechnology*, **1990**, 6, 201-8	4.4	28
8	Suppression of penetrative hyphae ofRhizopus oligosporus by membrane filters in a model solid-state fermentation system. *Biotechnology Letters*, **1989**, 3, 45-50		20
7	Development of a model solid-state fermentation system. *Biotechnology Letters*, **1988**, 2, 1-6		11
6	Improvement of growth ofRhizopus oligosporus on a model solid substrate. *Biotechnology Letters*, **1988**, 10, 497-502	3	17
5	Agar plate growth studies of Rhizopus oligosporus and Aspergillus oryzae to determine their suitability for solid-state fermentation. *Applied Microbiology and Biotechnology*, **1988**, 28, 598	5.7	14
4	A model substrate for solid-state fermentation. *Biotechnology Letters*, **1986**, 8, 827-832	3	24
3	Microalgae Culture Medium Recycling: Improved Production of Biomass and Lipids, Biodiesel Properties and Cost Reduction. *Bioenergy Research*,1	3.1	1

List of Publications

2 Solid State Fermentation, Microbial Growth Kinetics1

1 Solid-State Fermentation, Microbial Growth Kinetics1-23 2