

# Lus J P Da Fonseca

## List of Publications by Year in Descending Order

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The third column is the impact factor (IF) of the journal, and the fourth column is the number of citations of the article.

141  
papers

3,554  
citations

30  
h-index

54  
g-index

160  
ext. papers

3,891  
ext. citations

4.2  
avg, IF

5.4  
L-index

#	Paper	IF	Citations
141	Enzymatic Poly(octamethylene suberate) Synthesis by a Two-Step Polymerization Method Based on the New Greener Polymer-5B Technology. <i>Processes</i> , <b>2022</b> , 10, 221	2.9	0
140	Electrode Kinetics of Ion Jelly and Ion Sol-Gel Redox Materials on Screen-Printed Electrodes. <i>Applied Sciences (Switzerland)</i> , <b>2022</b> , 12, 2087	2.6	1
139	LipNanoCar Technology - A Versatile and Scalable Technology for the Production of Lipid Nanoparticles.. <i>Advances in Experimental Medicine and Biology</i> , <b>2022</b> , 1357, 43-82	3.6	1
138	Dermal Delivery of Lipid Nanoparticles: Effects on Skin and Assessment of Absorption and Safety.. <i>Advances in Experimental Medicine and Biology</i> , <b>2022</b> , 1357, 83-114	3.6	
137	Enzymatic Production of Bioactive Peptides from Whey Proteins: Their Active Role and Potential Health Benefits <b>2021</b> , 473-506		
136	Immobilization of Amano AK lipase from <i>Pseudomonas fluorescens</i> on novel silk microfiber using Oxone <sup>®</sup> : Parameter optimization for enzymatic assays and use in esterification of residual palm oil. <i>Current Catalysis</i> , <b>2021</b> , 10,	0.4	2
135	In Situ Electrochemical Characterization of a Microbial Fuel Cell Biocathode Running on Wastewater. <i>Catalysts</i> , <b>2021</b> , 11, 839	4	2
134	Biodegradable Polyester Synthesis in Renewed Aqueous Polycondensation Media: The Core of the New Greener Polymer-5B Technology. <i>Processes</i> , <b>2021</b> , 9, 365	2.9	2
133	Fast identification of off-target liabilities in early antibiotic discovery with Fourier-transform infrared spectroscopy. <i>Biotechnology and Bioengineering</i> , <b>2021</b> , 118, 4465-4476	4.9	2
132	Simultaneous elucidation of antibiotic mechanism of action and potency with high-throughput Fourier-transform infrared (FTIR) spectroscopy and machine learning. <i>Applied Microbiology and Biotechnology</i> , <b>2021</b> , 105, 1269-1286	5.7	4
131	Bioelectricity generation using long-term operated biocathode: RFLP based microbial diversity analysis.. <i>Biotechnology Reports (Amsterdam, Netherlands)</i> , <b>2021</b> , 32, e00693	5.3	2
130	Topical distribution and efficiency of nanostructured lipid carriers on a 3D reconstructed human epidermis model. <i>Journal of Drug Delivery Science and Technology</i> , <b>2020</b> , 57, 101616	4.5	4
129	Metabolic Fingerprinting with Fourier-Transform Infrared (FTIR) Spectroscopy: Towards a High-Throughput Screening Assay for Antibiotic Discovery and Mechanism-of-Action Elucidation. <i>Metabolites</i> , <b>2020</b> , 10,	5.6	9
128	Miniemulsion in biocatalysis, a new approach employing a solid reagent and an easy protocol for product isolation applied to the aldol reaction by <i>Rhizopus niveus</i> lipase. <i>Bioresource Technology</i> , <b>2020</b> , 297, 122441	11	4
127	Biotransformation of Flavonoids by Terrestrial and Marine Microorganisms <b>2020</b> , 1979-2000		1
126	Influence of Pretreatment Time in the Sugarcane Bagasse Saccharification by Cellulase Complex Produced by Marine Fungi <b>2020</b> , 2071-2094		1
125	Fed-Batch Production of L-Asparaginase II by Recombinant Strain. <i>Frontiers in Bioengineering and Biotechnology</i> , <b>2019</b> , 7, 16	5.8	10

124	Antibiotic Discovery: Where Have We Come from, Where Do We Go?. <i>Antibiotics</i> , <b>2019</b> , 8,	4.9	96
123	Optimization of nanostructured lipid carriers loaded with retinoids by central composite design. <i>Journal of Molecular Liquids</i> , <b>2019</b> , 293, 111468	6	13
122	A phenotypic screening bioassay for Escherichia coli stress and antibiotic responses based on Fourier-transform infrared (FTIR) spectroscopy and multivariate analysis. <i>Journal of Applied Microbiology</i> , <b>2019</b> , 127, 1776-1789	4.7	6
121	Characterization of gastric cells infection by diverse Helicobacter pylori strains through Fourier-transform infrared spectroscopy. <i>Spectrochimica Acta - Part A: Molecular and Biomolecular Spectroscopy</i> , <b>2019</b> , 210, 193-202	4.4	13
120	Design of multifunctional nanostructured lipid carriers enriched with Tocopherol using vegetable oils. <i>Industrial Crops and Products</i> , <b>2018</b> , 118, 149-159	5.9	41
119	Stability of lipases in miniemulsion systems: Correlation between secondary structure and activity. <i>Enzyme and Microbial Technology</i> , <b>2018</b> , 114, 7-14	3.8	6
118	Knoevenagel Condensation Reactions of Cyano Malononitrile-Derivatives Under Microwave Radiation. <i>Current Organic Chemistry</i> , <b>2018</b> , 22, 519-532	1.7	9
117	Improvement of enzyme stability for alkyl esters synthesis in miniemulsion systems by using media engineering. <i>Journal of Chemical Technology and Biotechnology</i> , <b>2018</b> , 93, 1338-1346	3.5	4
116	Stability assay of Candida rugosa lipase in miniemulsion system to synthesis of biodegradable polymers <b>2017</b> ,		1
115	High-throughput bioassay for mechanism of action determination of antibacterial drugs <b>2017</b> ,		1
114	Hydrolysis of cellulose from sugarcane bagasse by cellulases from marine-derived fungi strains. <i>International Biodeterioration and Biodegradation</i> , <b>2017</b> , 121, 66-78	4.8	21
113	Comparative Electrochemical Behavior of Cytochrome c on Aqueous Solutions Containing Choline-Based Room Temperature Ionic Liquids. <i>ChemistrySelect</i> , <b>2017</b> , 2, 8701-8705	1.8	5
112	Aldol Reactions by Lipase From Rhizopus niveus, an Example of Unspecific Protein Catalysis. <i>Catalysis Letters</i> , <b>2017</b> , 147, 1977-1987	2.8	8
111	Synthesis and characterization of acetylated amylose and development of inclusion complexes with rifampicin. <i>Carbohydrate Polymers</i> , <b>2017</b> , 157, 267-274	10.3	17
110	Silk Fibroin Functionalized with CuSO4 on Knoevenagel Condensation Under Microwave Radiation. <i>Current Microwave Chemistry</i> , <b>2017</b> , 4, 131-138	0.7	3
109	Generation of high-affinity monoclonal antibodies of IgG class against native $\beta$ -glucans from basidiomycete mushrooms. <i>Process Biochemistry</i> , <b>2016</b> , 51, 333-342	4.8	2
108	Synthesis and biocatalytic ene-reduction of Knoevenagel condensation compounds by the marine-derived fungus Penicillium citrinum CBMAI 1186. <i>Tetrahedron</i> , <b>2016</b> , 72, 7317-7322	2.4	21
107	Sandwich-Type Enzymatic Fuel Cell Based on a New Electro-Conductive Material - Ion Jelly. <i>ChemistrySelect</i> , <b>2016</b> , 1, 6546-6552	1.8	4

106	Novel polyol-responsive monoclonal antibodies against extracellular $\beta$ -D-glucans from <i>Pleurotus ostreatus</i> . <i>Biotechnology Progress</i> , <b>2016</b> , 32, 116-25	2.8	3
105	A high throughput colorimetric assay of $\beta$ 1,3-D-glucans by Congo red dye. <i>Journal of Microbiological Methods</i> , <b>2015</b> , 109, 140-8	2.8	32
104	A novel colorimetric assay of $\beta$ -D-glucans in basidiomycete strains by alcian blue dye in a 96-well microtiter plate. <i>Biotechnology Progress</i> , <b>2015</b> , 31, 1526-35	2.8	6
103	Oxygen availability effect on the performance of air-breathing cathode microbial fuel cell. <i>Biotechnology Progress</i> , <b>2015</b> , 31, 900-7	2.8	28
102	Low-temperature enzymatic hydrolysis resolution in mini-emulsion media. <i>Chemical Papers</i> , <b>2015</b> , 69,	1.9	3
101	In situ near-infrared (NIR) versus high-throughput mid-infrared (MIR) spectroscopy to monitor biopharmaceutical production. <i>Applied Spectroscopy</i> , <b>2015</b> , 69, 760-72	3.1	21
100	Nucleic-acid testing, new platforms and nanotechnology for point-of-decision diagnosis of animal pathogens. <i>Methods in Molecular Biology</i> , <b>2015</b> , 1247, 253-83	1.4	8
99	Kinetic model for the esterification of ethyl caproate for reaction optimization. <i>Journal of Molecular Catalysis B: Enzymatic</i> , <b>2014</b> , 101, 16-22		6
98	Synthesis of choline sulfonate buffers and their effect on cytochrome c dissolution and oxidation state. <i>RSC Advances</i> , <b>2014</b> , 4, 15597-15601	3.7	9
97	A novel fed-batch based strategy for enhancing cell-density and recombinant cyprosin B production in bioreactors. <i>Bioprocess and Biosystems Engineering</i> , <b>2014</b> , 37, 2515-27	3.7	5
96	The Contribution of Smart Materials and Advanced Clinical Diagnostic Micro- Devices on the Progress and Improvement of Human Health Care <b>2014</b> , 203-236		
95	Towards regioselective enzymatic hydrolysis and glycerolysis of tricaprylin in miniemulsion and the direct preparation of polyurethane from the hydrolysis products. <i>Journal of Molecular Catalysis B: Enzymatic</i> , <b>2013</b> , 98, 127-137		8
94	Swelling behavior of gelatin-ionic liquid functional polymers. <i>Journal of Polymer Science, Part B: Polymer Physics</i> , <b>2013</b> , 51, 817-825	2.6	8
93	Nanotechnology for the Diagnosis of Parasitic Infections <b>2013</b> , 209-219		0
92	Spintronic platforms for biomedical applications. <i>Lab on A Chip</i> , <b>2012</b> , 12, 546-57	7.2	96
91	Galacto-oligosaccharides synthesis from lactose and whey by $\beta$ galactosidase immobilized in PVA. <i>Applied Biochemistry and Biotechnology</i> , <b>2012</b> , 168, 1197-211	3.2	35
90	Waterborne Pathogen Detection Using a Magnetoresistive Immuno-Chip. <i>Springer Protocols</i> , <b>2012</b> , 263-288		5
89	Production of Recombinant Human Leukemia Inhibitory Factor (lif) in a Mammalian Cell Bioreactor: A First Approach <b>2012</b> , 573-576		

88	OPTIMIZATION OF FLAVOR ESTERS SYNTHESIS BY FUSARIUM SOLANI PISI CUTINASE. <i>Journal of Food Biochemistry</i> , <b>2012</b> , 36, 275-284	3.3	30
87	Synthetic application and activity of cutinase in an aqueous, miniemulsion model system: Hexyl octanoate synthesis. <i>Catalysis Today</i> , <b>2011</b> , 173, 95-102	5.3	24
86	Use of chemometrics in the selection of a <i>Saccharomyces cerevisiae</i> expression system for recombinant cyprosin B production. <i>Biotechnology Letters</i> , <b>2011</b> , 33, 2111-9	3	9
85	Optimization in the immobilization of penicillin G acylase by entrapment in xerogel particles with magnetic properties. <i>Journal of Sol-Gel Science and Technology</i> , <b>2011</b> , 58, 545-556	2.3	21
84	From inulin to fructose syrups using sol-gel immobilized inulinase. <i>Applied Biochemistry and Biotechnology</i> , <b>2011</b> , 165, 1-12	3.2	27
83	An assessment of the ultrasonic probe-based enhancement of protein cleavage with immobilized trypsin. <i>Proteomics</i> , <b>2011</b> , 11, 3866-76	4.8	15
82	Effect of gelatin on liquid functional polymers on glucose oxidase and horseradish peroxidase kinetics. <i>Reactive and Functional Polymers</i> , <b>2011</b> , 71, 489-495	4.6	25
81	Evaluation of Ion Jelly biopolymer on glucose biosensing <b>2011</b> ,		1
80	Optimization of DNA Hybridization on Aminopropyl-Controlled Pore-Glass Particles: Detection of Non-Labeled Targets by PicoGreen Staining. <i>Analytical Letters</i> , <b>2010</b> , 43, 2694-2704	2.2	1
79	Biosensors as rapid diagnostic tests for tropical diseases. <i>Critical Reviews in Clinical Laboratory Sciences</i> , <b>2010</b> , 47, 139-69	9.4	32
78	Picomolar detection limit on a magnetoresistive biochip after optimization of a thiol-gold based surface chemistry. <i>Journal of Nanoscience and Nanotechnology</i> , <b>2010</b> , 10, 5994-6002	1.3	8
77	Comparative study between probe focussed sonication and conventional stirring in the evaluation of cadmium and copper in plants. <i>Analytical and Bioanalytical Chemistry</i> , <b>2010</b> , 398, 2315-24	4.4	9
76	Optimization of the culture medium composition using response surface methodology for new recombinant cyprosin B production in bioreactor for cheese production. <i>European Food Research and Technology</i> , <b>2010</b> , 231, 339-346	3.4	20
75	Quantitation of non-amplified genomic DNA by bead-based hybridization and template mediated extension coupled to alkaline phosphatase signal amplification. <i>Biotechnology Letters</i> , <b>2010</b> , 32, 229-34	3	3
74	Kinetic cutinase-catalyzed esterification of caproic acid in organic solvent system. <i>Journal of Molecular Catalysis B: Enzymatic</i> , <b>2010</b> , 66, 285-293		17
73	Miniemulsion as efficient system for enzymatic synthesis of acid alkyl esters. <i>Biotechnology and Bioengineering</i> , <b>2010</b> , 106, 507-15	4.9	25
72	Improved specific productivity in cephalixin synthesis by immobilized PGA in silica magnetic micro-particles. <i>Biotechnology and Bioengineering</i> , <b>2010</b> , 107, 753-62	4.9	10
71	Operational stability of cutinase in organic solvent system: model esterification of alkyl esters. <i>Journal of Chemical Technology and Biotechnology</i> , <b>2010</b> , 85, 1553-1560	3.5	6

70	Challenges and trends in the development of a magnetoresistive biochip portable platform. <i>Journal of Magnetism and Magnetic Materials</i> , <b>2010</b> , 322, 1655-1663	2.8	51
69	Ultrasonic assisted enzymatic digestion (USAED) coupled with high performance liquid chromatography and electrothermal atomic absorption spectrometry as a powerful tool for total selenium and selenium species control in Se-enriched food supplements. <i>Food Chemistry</i> , <b>2010</b> , 121, 268-274	8.5	26
68	Patterned functionalization layer for sub- $\mu$ DNA solid-phase immobilization and hybridization. <i>Sensors and Actuators B: Chemical</i> , <b>2010</b> , 149, 432-438	8.5	2
67	Biosynthesis of ethyl caproate and other short ethyl esters catalyzed by cutinase in organic solvent. <i>Journal of Molecular Catalysis B: Enzymatic</i> , <b>2009</b> , 60, 178-185		38
66	Recovery and partial purification of penicillin G acylase from E. coli homogenate and B. megaterium culture medium using an expanded bed adsorption column. <i>Biochemical Engineering Journal</i> , <b>2009</b> , 44, 111-118	4.2	16
65	The role of probe-probe interactions on the hybridization of double-stranded DNA targets onto DNA-modified magnetic microparticles. <i>Analytical and Bioanalytical Chemistry</i> , <b>2009</b> , 394, 1711-6	4.4	7
64	Femtomolar limit of detection with a magnetoresistive biochip. <i>Biosensors and Bioelectronics</i> , <b>2009</b> , 24, 2690-5	11.8	99
63	Application of central composite design for DNA hybridization onto magnetic microparticles. <i>Analytical Biochemistry</i> , <b>2009</b> , 391, 17-23	3.1	17
62	A new biocatalyst: Penicillin G acylase immobilized in sol-gel micro-particles with magnetic properties. <i>Biotechnology Journal</i> , <b>2009</b> , 4, 695-702	5.6	11
61	Synthesis of alkyl esters by cutinase in miniemulsion and organic solvent media. <i>Biotechnology Journal</i> , <b>2009</b> , 4, 674-83	5.6	22
60	Ultrasonic-assisted enzymatic digestion (USAED) for total elemental determination and elemental speciation: a tutorial. <i>Talanta</i> , <b>2008</b> , 75, 872-84	6.2	40
59	Trends in DNA biosensors. <i>Talanta</i> , <b>2008</b> , 77, 606-623	6.2	301
58	Production and characterization of recombinant cyprosin B in <i>Saccharomyces cerevisiae</i> (W303-1A) strain. <i>Journal of Bioscience and Bioengineering</i> , <b>2008</b> , 105, 305-12	3.3	30
57	Integrated Spintronic Platforms for Biomolecular Recognition Detection. <i>AIP Conference Proceedings</i> , <b>2008</b> ,	0	4
56	Chemiluminescent bead-based hybridization assay for the detection of genomic DNA from E. coli in purified plasmid samples. <i>Analytical and Bioanalytical Chemistry</i> , <b>2008</b> , 391, 2179-87	4.4	11
55	Influence of tryptophan tags on the purification of cutinase, secreted by a recombinant <i>Saccharomyces cerevisiae</i> , using cationic expanded bed adsorption and hydrophobic interaction chromatography. <i>Biotechnology Letters</i> , <b>2008</b> , 30, 1353-8	3	5
54	Applications of polymers for biomolecule immobilization in electrochemical biosensors. <i>Materials Science and Engineering C</i> , <b>2008</b> , 28, 1530-1543	8.3	198
53	Prediction of retention time of cutinases tagged with hydrophobic peptides in hydrophobic interaction chromatography. <i>Journal of Chromatography A</i> , <b>2007</b> , 1154, 460-3	4.5	10

52	Kinetics of soluble and immobilized horseradish peroxidase-mediated oxidation of phenolic compounds. <i>Biochemical Engineering Journal</i> , <b>2007</b> , 35, 126-135	4.2	24
51	A Portrait of State-of-the-Art Research at the Technical University of Lisbon <b>2007</b> ,		2
50	Enzymatic probe sonication as a tool for solid-liquid extraction for total selenium determination by electrothermal-atomic absorption spectrometry. <i>Talanta</i> , <b>2007</b> , 74, 198-205	6.2	20
49	Cutinase-catalyzed biosynthesis of short chain alkyl esters. <i>Journal of Biotechnology</i> , <b>2007</b> , 131, S109-S110	3.7	3
48	Nanotechnology and the Detection of Biomolecular Recognition Using Magnetoresistive Transducers <b>2007</b> , 3-22		
47	Ex situ bioprocess monitoring techniques. <i>Chemical Industry and Chemical Engineering Quarterly</i> , <b>2007</b> , 13, 103-116	0.7	12
46	Real-time bioprocess monitoring: Part I: In situ sensors. <i>Sensors and Actuators B: Chemical</i> , <b>2006</b> , 114, 1083-1091	8.5	150
45	A flow injection analysis system for on-line monitoring of cutinase activity at outlet of an expanded bed adsorption column almost in real time. <i>Journal of Chemical Technology and Biotechnology</i> , <b>2006</b> , 81, 1678-1684	3.5	1
44	Bienzymatic analytical microreactors for glucose, lactate, ethanol, galactose and l-amino acid monitoring in cell culture media. <i>Analytica Chimica Acta</i> , <b>2006</b> , 565, 240-249	6.6	31
43	Horseradish Peroxidase Combined With Oxidase Enzymes a Valuable Bioanalytical Tool: Lactate Oxidase A Case Study. <i>Engineering in Life Sciences</i> , <b>2006</b> , 6, 181-186	3.4	1
42	Kinetic modelling of phenol co-oxidation using horseradish peroxidase. <i>Bioprocess and Biosystems Engineering</i> , <b>2006</b> , 29, 99-108	3.7	18
41	Modification of the activity of an $\alpha$ -amylase from <i>Bacillus licheniformis</i> by several surfactants. <i>Electronic Journal of Biotechnology</i> , <b>2006</b> , 9, 0-0	3.1	14
40	Micro-analytical GO/HRP bioreactor for glucose determination and bioprocess monitoring. <i>Biosensors and Bioelectronics</i> , <b>2005</b> , 20, 1955-61	11.8	22
39	Ethanol biosensors based on alcohol oxidase. <i>Biosensors and Bioelectronics</i> , <b>2005</b> , 21, 235-47	11.8	187
38	Cutinase A new tool for biomodification of synthetic fibers. <i>Journal of Polymer Science Part A</i> , <b>2005</b> , 43, 2448-2450	2.5	84
37	Magnetoresistive DNA chips <b>2004</b> , 331-386		32
36	Thermal and operational stabilities of <i>Hansenula polymorpha</i> alcohol oxidase. <i>Journal of Molecular Catalysis B: Enzymatic</i> , <b>2004</b> , 27, 37-45		45
35	Operation and performance of analytical packed-bed reactors with an immobilised alcohol oxidase. <i>Journal of Molecular Catalysis B: Enzymatic</i> , <b>2004</b> , 28, 45-53		28

34	Assay of H <sub>2</sub> O <sub>2</sub> by HRP catalysed co-oxidation of phenol-4-sulphonic acid and 4-aminoantipyrine: characterisation and optimisation. <i>Journal of Molecular Catalysis B: Enzymatic</i> , <b>2004</b> , 28, 129-135		45
33	Operational stability of immobilised horseradish peroxidase in mini-packed bed bioreactors. <i>Journal of Molecular Catalysis B: Enzymatic</i> , <b>2004</b> , 28, 121-128		40
32	Production of 6-aminopenicillanic acid in aqueous two-phase systems by recombinant <i>Escherichia coli</i> with intracellular penicillin acylase. <i>Biotechnology Letters</i> , <b>2004</b> , 26, 97-101	3	13
31	Flow injection analysis system for on-line cutinase activity assay. <i>Analytica Chimica Acta</i> , <b>2004</b> , 502, 115-124		11
30	Integration of the production and the purification processes of cutinase secreted by a recombinant <i>Saccharomyces cerevisiae</i> SU50 strain. <i>Journal of Biotechnology</i> , <b>2004</b> , 109, 147-58	3.7	26
29	Recombinant <i>Saccharomyces cerevisiae</i> strain triggers acetate production to fuel biosynthetic pathways. <i>Journal of Biotechnology</i> , <b>2004</b> , 109, 159-67	3.7	12
28	Horseradish peroxidase immobilized through its carboxylic groups onto a polyacrylonitrile membrane: comparison of enzyme performances with inorganic beaded supports. <i>Applied Biochemistry and Biotechnology</i> , <b>2003</b> , 110, 1-10	3.2	25
27	Towards a cost effective strategy for cutinase production by a recombinant <i>Saccharomyces cerevisiae</i> : strain physiological aspects. <i>Applied Microbiology and Biotechnology</i> , <b>2003</b> , 61, 69-76	5.7	26
26	Development of a Fed-Batch Cultivation Strategy for the Enhanced production and Secretion of Cutinase by a Recombinant <i>Saccharomyces cerevisiae</i> SU50 Strain. <i>Journal of Bioscience and Bioengineering</i> , <b>2003</b> , 96, 141-148	3.3	21
25	Optimisation of penicillin acylase extraction by AOT/isooctane reversed micellar systems. <i>Biochemical Engineering Journal</i> , <b>2003</b> , 15, 81-86	4.2	18
24	Integration of production and aqueous two-phase systems extraction of extracellular <i>Fusarium solani</i> pisi cutinase fusion proteins. <i>Journal of Biotechnology</i> , <b>2003</b> , 100, 55-64	3.7	31
23	Horseradish peroxidase: a valuable tool in biotechnology. <i>Biotechnology Annual Review</i> , <b>2003</b> , 9, 199-247		202
22	Effect of pre-fermentation on the production of cutinase by a recombinant <i>Saccharomyces cerevisiae</i> . <i>Journal of Bioscience and Bioengineering</i> , <b>2002</b> , 93, 354-9	3.3	26
21	Penicillin acylase release from <i>Escherichia coli</i> cells by mechanical cell disruption and permeabilization. <i>Journal of Chemical Technology and Biotechnology</i> , <b>2002</b> , 77, 159-167	3.5	28
20	Effect of <i>Saccharomyces cerevisiae</i> fermentation conditions on expanded bed adsorption of heterologous cutinase. <i>Journal of Chemical Technology and Biotechnology</i> , <b>2002</b> , 77, 1231-1237	3.5	15
19	An integrated downstream processing strategy for the recovery and partial purification of penicillin acylase from crude media. <i>Journal of Chemical Technology and Biotechnology</i> , <b>2002</b> , 77, 1176-1185	3.5	12
18	Production of wild-type and peptide fusion cutinases by recombinant <i>Saccharomyces cerevisiae</i> MM01 strains. <i>Biotechnology and Bioengineering</i> , <b>2002</b> , 78, 692-8	4.9	17
17	Optimisation of culture conditions and characterisation of cutinase produced by recombinant <i>Saccharomyces cerevisiae</i> . <i>Enzyme and Microbial Technology</i> , <b>2002</b> , 31, 161-170	3.8	31



16	Application of surface response analysis to the optimization of penicillin acylase purification in aqueous two-phase systems. <i>Enzyme and Microbial Technology</i> , <b>2002</b> , 31, 1006-1014	3.8	39
15	Production of cellulases in batch culture using a mutant strain of <i>Trichoderma reesei</i> growing on soluble carbon source. <i>Biotechnology Letters</i> , <b>2001</b> , 23, 771-775	3	22
14	Direct product sequestration of a recombinant cutinase from batch fermentations of <i>Saccharomyces cerevisiae</i> . <i>Bioseparation</i> , <b>2001</b> , 10, 87-97		12
13	Stability of free and immobilised peroxidase in aqueous organic solvents mixtures. <i>Journal of Molecular Catalysis B: Enzymatic</i> , <b>2001</b> , 15, 147-153		68
12	BEHAVIOUR OF HORSERADISH PEROXIDASE IN AOT REVERSED MICELLES. <i>Biocatalysis and Biotransformation</i> , <b>2001</b> , 19, 213-233	2.5	14
11	The influence of culture conditions on mycelial structure and cellulase production by <i>Trichoderma reesei</i> Rut C-30. <i>Enzyme and Microbial Technology</i> , <b>2000</b> , 26, 394-401	3.8	148
10	Kinetic and Stability Studies of Penicillin Acylase in Reversed Micelles. <i>Biocatalysis and Biotransformation</i> , <b>2000</b> , 17, 401-415	2.5	6
9	Partial purification of penicillin acylase from <i>Escherichia coli</i> in poly(ethylene glycol)-sodium citrate aqueous two-phase systems. <i>Biomedical Applications</i> , <b>1999</b> , 734, 15-22		80
8	Optimization of a pseudo-affinity process for penicillin acylase purification. <i>Bioprocess and Biosystems Engineering</i> , <b>1999</b> , 20, 513		4
7	Stability and stabilisation of penicillin acylase <b>1999</b> , 74, 1110-1116		30
6	Preliminary studies on continuous recovery and purification of the penicillin acylase under pseudo-affinity conditions using phenyl-Sepharose gel. <i>Journal of Molecular Recognition</i> , <b>1998</b> , 11, 252-4 <sup>2.6</sup>		5
5	Variation of penicillin acylase partition coefficient with phase volume ratio in poly(ethylene glycol)-sodium citrate aqueous two-phase systems. <i>Biomedical Applications</i> , <b>1998</b> , 711, 295-9		32
4	Separation and purification of penicillin acylase from <i>Escherichia coli</i> using AOT reverse micelles. <i>Biotechnology Letters</i> , <b>1995</b> , 9, 265-270		5
3	Assay of penicillin acylase in organic media. <i>Biotechnology Letters</i> , <b>1995</b> , 9, 729-730		4
2	Improvement in the polyethylene glycol-cibacron blue purification method. <i>Journal of Chromatography A</i> , <b>1994</b> , 668, 61-64	4.5	
1	Immobilization studies of an industrial penicillin acylase preparation on a silica carrier. <i>Journal of Chemical Technology and Biotechnology</i> , <b>1993</b> , 58, 27-37	3.5	39