

Manuel G Mota

List of Publications by Year in descending order

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92
papers

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145106

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98
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98
docs citations

98
times ranked

3945
citing authors

#	ARTICLE	IF	CITATIONS
1	Negative impacts of cleaning agent DEPTAL MCLÂ® on activated sludge wastewater treatment system. Science of the Total Environment, 2022, 838, 155957.	3.9	0
2	Nitrifying Soil Bacterium Nitrosomonas europaea: Operational Improvement of Standard Culture Medium. Journal of Soil Science and Plant Nutrition, 2019, 19, 270-276.	1.7	3
3	Monitoring <i>Amphora</i> sp. growth by flow cytometry. Diatom Research, 2018, 33, 405-411.	0.5	0
4	Biocoatings: A new challenge for environmental biotechnology. Biochemical Engineering Journal, 2017, 121, 25-37.	1.8	29
5	Oxygen mass transfer impact on citric acid production by <i>Yarrowia lipolytica</i> from crude glycerol. Biochemical Engineering Journal, 2016, 110, 35-42.	1.8	39
6	Enhanced heterologous protein production in <i>Pichia pastoris</i> under increased air pressure. Biotechnology Progress, 2014, 30, 1040-1047.	1.3	14
7	Overpressurized bioreactors: Application to microbial cell cultures. Biotechnology Progress, 2014, 30, 767-775.	1.3	23
8	<i>Candida utilis</i> metabolism and morphology under increased air pressure up to 12bar. Process Biochemistry, 2014, 49, 374-379.	1.8	9
9	Comparison of <i>Yarrowia lipolytica</i> and <i>Pichia pastoris</i> Cellular Response to Different Agents of Oxidative Stress. Applied Biochemistry and Biotechnology, 2013, 170, 448-458.	1.4	15
10	Batch and fed-batch growth of <i>Pichia pastoris</i> under increased air pressure. Bioprocess and Biosystems Engineering, 2013, 36, 1267-1275.	1.7	8
11	Modeling the influence of slurry concentration on <i>Saccharomyces cerevisiae</i> cake porosity and resistance during microfiltration. Biotechnology Progress, 2012, 28, 1534-1541.	1.3	5
12	Denitrification of a landfill leachate with high nitrate concentration in an anoxic rotating biological contactor. Biodegradation, 2011, 22, 661-671.	1.5	24
13	Evaluation of Fenton and ozone-based advanced oxidation processes as mature landfill leachate pre-treatments. Journal of Environmental Management, 2011, 92, 749-755.	3.8	185
14	Mature landfill leachate treatment by denitrification and ozonation. Process Biochemistry, 2011, 46, 148-153.	1.8	34
15	Changes on surface morphology of corn starch blend films. Journal of Biomedical Materials Research - Part A, 2010, 94A, 720-729.	2.1	5
16	Ozonation as polishing treatment of mature landfill leachate. Journal of Hazardous Materials, 2010, 182, 730-734.	6.5	120
17	Effect of operating parameters on denitrification in an anoxic rotating biological contactor. Environmental Technology (United Kingdom), 2009, 30, 1381-1389.	1.2	10
18	The 10th International Chemical and Biological Engineering Conference (CHEMPOR 2008). International Journal of Chemical Engineering, 2009, 2009, 1-2.	1.4	2

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19	Enzymatic degradation of starch thermoplastic blends using samples of different thickness. <i>Journal of Materials Science: Materials in Medicine</i> , 2009, 20, 607-614.	1.7	4
20	<i>Yarrowia lipolytica</i> Growth Under Increased Air Pressure: Influence on Enzyme Production. <i>Applied Biochemistry and Biotechnology</i> , 2009, 159, 46-53.	1.4	45
21	<i>Yarrowia lipolytica</i> lipase production enhanced by increased air pressure. <i>Letters in Applied Microbiology</i> , 2008, 46, 255-260.	1.0	47
22	Rotating biological contactors: a review on main factors affecting performance. <i>Reviews in Environmental Science and Biotechnology</i> , 2008, 7, 155-172.	3.9	103
23	Quantification of the CBD-FITC conjugates surface coating on cellulose fibres. <i>BMC Biotechnology</i> , 2008, 8, 1.	1.7	90
24	Starch analysis using hydrodynamic chromatography with a mixed-bed particle column. <i>Carbohydrate Polymers</i> , 2008, 74, 852-857.	5.1	23
25	Permeability analysis in bisized porous media: Wall effect between particles of different size. <i>Journal of Hydrology</i> , 2008, 349, 470-474.	2.3	25
26	Textile depilling: Superior finishing using cellulose-binding domains with residual enzymatic activity. <i>Biocatalysis and Biotransformation</i> , 2007, 25, 35-42.	1.1	5
27	Microfauna as Indicator of Copper, Zinc, and Cycloheximide in Activated Sludge Processes. <i>Environmental Engineering Science</i> , 2007, 24, 434-445.	0.8	5
28	Enzymatic depolymerisation of cellulose. <i>Carbohydrate Polymers</i> , 2007, 68, 101-108.	5.1	49
29	Modelling diffusivity in porous polymeric membranes with an intermediate layer containing microbial cells. <i>Biochemical Engineering Journal</i> , 2007, 37, 285-293.	1.8	16
30	Permeability and effective thermal conductivity of bisized porous media. <i>International Journal of Heat and Mass Transfer</i> , 2007, 50, 1295-1301.	2.5	31
31	Development of a Method Using Image Analysis for the Measurement of Cellulose-Binding Domains Adsorbed onto Cellulose Fibers. <i>Biotechnology Progress</i> , 2007, 23, 1492-1497.	1.3	14
32	Factors influencing MOW deinking: Laboratory scale studies. <i>Enzyme and Microbial Technology</i> , 2006, 38, 81-87.	1.6	26
33	Utilisation of controlled pore topology for the separation of bioparticles in a mixed-glass beads column. <i>Journal of Chromatography B: Analytical Technologies in the Biomedical and Life Sciences</i> , 2006, 843, 63-72.	1.2	5
34	Large-scale production of cellulose-binding domains. Adsorption studies using CBD-FITC conjugates. <i>Cellulose</i> , 2006, 13, 557-569.	2.4	24
35	Anaerobic biodegradation of oleic and palmitic acids: Evidence of mass transfer limitations caused by long chain fatty acid accumulation onto the anaerobic sludge. <i>Biotechnology and Bioengineering</i> , 2005, 92, 15-23.	1.7	256
36	Determination of diffusion coefficients of glycerol and glucose from starch based thermoplastic compounds on simulated physiological solution. <i>Journal of Materials Science: Materials in Medicine</i> , 2005, 16, 239-246.	1.7	6

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37	Effect of copper in the protistan community of activated sludge. <i>Chemosphere</i> , 2005, 58, 605-614.	4.2	61
38	Carbohydrate carbon sources induce loss of flocculation of an ale-brewing yeast strain. <i>Journal of Applied Microbiology</i> , 2004, 96, 1117-1123.	1.4	24
39	Preparation of controlled particulate mixtures with glass beads of different sizes. <i>Separation and Purification Technology</i> , 2004, 37, 69-80.	3.9	12
40	Changes in diffusion through the brain extracellular space. <i>Biotechnology and Applied Biochemistry</i> , 2004, 39, 223.	1.4	13
41	Effect of hyperbaric stress on yeast morphology: study by automated image analysis. <i>Applied Microbiology and Biotechnology</i> , 2004, 66, 318-324.	1.7	43
42	Development of image analysis techniques as a tool to detect and quantify morphological changes in anaerobic sludge: II. Application to a granule deterioration process triggered by contact with oleic acid. <i>Biotechnology and Bioengineering</i> , 2004, 87, 194-199.	1.7	26
43	Development of image analysis techniques as a tool to detect and quantify morphological changes in anaerobic sludge: I. Application to a granulation process. <i>Biotechnology and Bioengineering</i> , 2004, 87, 184-193.	1.7	19
44	Mineralization of LCFA associated with anaerobic sludge: Kinetics, enhancement of methanogenic activity, and effect of VFA. <i>Biotechnology and Bioengineering</i> , 2004, 88, 502-511.	1.7	165
45	Enzymatic degradation of starch-based thermoplastic compounds used in prostheses: identification of the degradation products in solution. <i>Biomaterials</i> , 2004, 25, 2687-2693.	5.7	140
46	Purification, structure and immunobiological activity of an arabinan-rich pectic polysaccharide from the cell walls of <i>Prunus dulcis</i> seeds. <i>Carbohydrate Research</i> , 2004, 339, 2555-2566.	1.1	58
47	Changes in morphology of starch-based prosthetic thermoplastic material during enzymatic degradation. <i>Journal of Biomaterials Science, Polymer Edition</i> , 2004, 15, 1263-1280.	1.9	6
48	Studies on the Cellulose-Binding Domains Adsorption to Cellulose. <i>Langmuir</i> , 2004, 20, 1409-1413.	1.6	34
49	Particulate Binary Mixtures: Dependence of Packing Porosity on Particle Size Ratio. <i>Industrial & Engineering Chemistry Research</i> , 2004, 43, 7912-7919.	1.8	88
50	Anatomy and Cell Wall Polysaccharides of Almond (<i>Prunus dulcis</i> D. A. Webb) Seeds. <i>Journal of Agricultural and Food Chemistry</i> , 2004, 52, 1364-1370.	2.4	46
51	Effect of different toxic compounds on ATP content and acid phosphatase activity in axenic cultures of <i>Tetrahymena pyriformis</i> . <i>Ecotoxicology and Environmental Safety</i> , 2004, 57, 129-135.	2.9	17
52	Enzymatic versus chemical deinking of non-impact ink printed paper. <i>Journal of Biotechnology</i> , 2004, 108, 79-89.	1.9	75
53	Interference of coarse and fine particles of different shape in mixed porous beds and filter cakes. <i>Minerals Engineering</i> , 2003, 16, 135-144.	1.8	26
54	Characterisation of Chilean hazelnut (<i>Gevuina avellana</i>) tissues: light microscopy and cell wall polysaccharides. <i>Journal of the Science of Food and Agriculture</i> , 2003, 83, 158-165.	1.7	9

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55	The enhancement of the cellulolytic activity of cellobiohydrolase I and endoglucanase by the addition of cellulose binding domains derived from <i>Trichoderma reesei</i> . <i>Enzyme and Microbial Technology</i> , 2003, 32, 35-40.	1.6	35
56	Growth and beta-galactosidase activity in cultures of <i>Kluyveromyces marxianus</i> under increased air pressure. <i>Letters in Applied Microbiology</i> , 2003, 37, 438-442.	1.0	49
57	Fed-Batch Cultivation of <i>Saccharomyces cerevisiae</i> in a Hyperbaric Bioreactor. <i>Biotechnology Progress</i> , 2003, 19, 665-671.	1.3	47
58	Enzymatic Modification of Paper Fibres. <i>Biocatalysis and Biotransformation</i> , 2002, 20, 353-361.	1.1	14
59	Studies on the properties of Celluclast/Eudragit L-100 conjugate. <i>Journal of Biotechnology</i> , 2002, 99, 121-131.	1.9	55
60	Influence of cell-shape on the cake resistance in dead-end and cross-flow filtrations. <i>Separation and Purification Technology</i> , 2002, 27, 137-144.	3.9	47
61	Oxidative stress response of <i>Kluyveromyces marxianus</i> to hydrogen peroxide, paraquat and pressure. <i>Applied Microbiology and Biotechnology</i> , 2002, 58, 842-847.	1.7	47
62	Immobilized Particles in Gel Matrix-Type Porous Media. Nonhomogeneous Cell Distribution. <i>Biotechnology Progress</i> , 2002, 18, 807-814.	1.3	5
63	Title is missing!. <i>Biotechnology Letters</i> , 2002, 24, 795-800.	1.1	27
64	Trends in the use of protozoa in the assessment of wastewater treatment. <i>Research in Microbiology</i> , 2001, 152, 621-630.	1.0	66
65	Effect of lipids and oleic acid on biomass development in anaerobic fixed-bed reactors. Part I: Biofilm growth and activity. <i>Water Research</i> , 2001, 35, 255-263.	5.3	81
66	Effects of lipids and oleic acid on biomass development in anaerobic fixed-bed reactors. Part II: Oleic acid toxicity and biodegradability. <i>Water Research</i> , 2001, 35, 264-270.	5.3	114
67	Enzymatic upgrade of old paperboard containers. <i>Enzyme and Microbial Technology</i> , 2001, 29, 274-279.	1.6	52
68	In-vitro degradation behaviour of starch/EVOH biomaterials. <i>Polymer Degradation and Stability</i> , 2001, 73, 237-244.	2.7	19
69	Immobilized Particles in Gel Matrix-Type Porous Media. Homogeneous Porous Media Model. <i>Biotechnology Progress</i> , 2001, 17, 860-865.	1.3	20
70	Characterisation of <i>Rosa Mosqueta</i> seeds: cell wall polysaccharide composition and light microscopy observations. <i>Journal of the Science of Food and Agriculture</i> , 2000, 80, 1859-1865.	1.7	12
71	Staged and non-staged anaerobic filters: performance in relation to physical and biological characteristics of microbial aggregates. <i>Journal of Chemical Technology and Biotechnology</i> , 2000, 75, 601-609.	1.6	1
72	Air pressure effects on biomass yield of two different <i>Kluyveromyces</i> strains. <i>Enzyme and Microbial Technology</i> , 2000, 26, 756-762.	1.6	37

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73	Biodegradability and toxicity of styrene in the anaerobic digestion process. <i>Biotechnology Letters</i> , 2000, 22, 1477-1481.	1.1	15
74	Selective Enzyme-Mediated Extraction of Capsaicinoids and Carotenoids from Chili Guajillo Puya (<i>Capsicum annuum</i> L.) Using Ethanol as Solvent. <i>Journal of Agricultural and Food Chemistry</i> , 2000, 48, 3063-3067.	2.4	92
75	Novel foods and food ingredients: what is the mission of scientists and technologists?. <i>Trends in Food Science and Technology</i> , 2000, 11, 161-168.	7.8	4
76	Physiological responses of <i>Tetrahymena pyriformis</i> to copper, zinc, cycloheximide and Triton X-100. <i>FEMS Microbiology Ecology</i> , 1999, 30, 209-216.	1.3	25
77	Effect of cellulase adsorption on the surface and interfacial properties of cellulose. <i>Cellulose</i> , 1999, 6, 265-282.	2.4	17
78	Semi-automated recognition of protozoa by image analysis. <i>Biotechnology Letters</i> , 1999, 13, 111-118.	0.5	21
79	Image analysis of packed beds of spherical particles of different sizes. <i>Separation and Purification Technology</i> , 1999, 15, 59-68.	3.9	39
80	Exo- and endo-glucanolytic activity of cellulases purified from <i>Trichoderma reesei</i> . <i>Biotechnology Letters</i> , 1998, 12, 677-681.	0.5	9
81	A new method to study interactions between biomass and packing material in anaerobic filters. <i>Biotechnology Letters</i> , 1998, 12, 277-283.	0.5	10
82	Staged and non-staged anaerobic filters: microbial activity segregation, hydrodynamic behaviour and performance. <i>Journal of Chemical Technology and Biotechnology</i> , 1998, 73, 99-108.	1.6	16
83	Flocs vs granules: Differentiation by fractal dimension. <i>Water Research</i> , 1997, 31, 1227-1231.	5.3	41
84	Physiological behaviour of <i>Saccharomyces cerevisiae</i> under increased air and oxygen pressures. <i>Biotechnology Letters</i> , 1997, 19, 703-708.	1.1	17
85	Comparative study of cellulose fragmentation by enzymes and ultrasound. <i>Enzyme and Microbial Technology</i> , 1997, 20, 12-17.	1.6	20
86	Effects of ethanol and acetic acid on the transport of malic acid and glucose in the yeast <i>Schizosaccharomyces pombe</i> : implications in wine deacidification. <i>FEMS Microbiology Letters</i> , 1995, 126, 197-202.	0.7	20
87	New methodology for the characterization of endoglucanase activity and its application on the <i>Trichoderma longibrachiatum</i> cellulolytic complex. <i>Enzyme and Microbial Technology</i> , 1993, 15, 57-61.	1.6	13
88	Must deacidification with an induced flocculant yeast strain of <i>Schizosaccharomyces pombe</i> . <i>Applied Microbiology and Biotechnology</i> , 1993, 39, 189.	1.7	10
89	Transport of malic acid in the yeast <i>Schizosaccharomyces pombe</i> : Evidence for proton-dicarboxylate symport. <i>Yeast</i> , 1992, 8, 1025-1031.	0.8	58
90	Deep agar-diffusion test for preliminary screening of lipolytic activity of fungi. <i>Journal of Microbiological Methods</i> , 1991, 14, 193-200.	0.7	17

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91	Direct determination of endoglucanase activity on cellulose insoluble fibres. Biotechnology Letters, 1991, 5, 377.	0.5	3
92	Utilization of an external loop bioreactor for the isolation of a flocculating strain of <i>Kluyveromyces marxianus</i> . Current Microbiology, 1990, 20, 209-214.	1.0	9