

Manuel Mota

List of Publications by Year in descending order

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Version: 2024-02-01

56
papers

1,529
citations

318942

23
h-index

371746

37
g-index

58
all docs

58
docs citations

58
times ranked

1961
citing authors

| # | ARTICLE | IF | CITATIONS |
|----|---|-----|-----------|
| 1 | Negative impacts of cleaning agent DEPTAL MCLÂ® on activated sludge wastewater treatment system. <i>Science of the Total Environment</i> , 2022, 838, 155957. | 3.9 | 0 |
| 2 | Biocoatings: A new challenge for environmental biotechnology. <i>Biochemical Engineering Journal</i> , 2017, 121, 25-37. | 1.8 | 29 |
| 3 | Oxygen mass transfer impact on citric acid production by <i>Yarrowia lipolytica</i> from crude glycerol. <i>Biochemical Engineering Journal</i> , 2016, 110, 35-42. | 1.8 | 39 |
| 4 | Study of 16 Portuguese activated sludge systems based on filamentous bacteria populations and their relationships with environmental parameters. <i>Applied Microbiology and Biotechnology</i> , 2015, 99, 5307-5316. | 1.7 | 47 |
| 5 | Enhanced heterologous protein production in <i>Pichia pastoris</i> under increased air pressure. <i>Biotechnology Progress</i> , 2014, 30, 1040-1047. | 1.3 | 14 |
| 6 | Overpressurized bioreactors: Application to microbial cell cultures. <i>Biotechnology Progress</i> , 2014, 30, 767-775. | 1.3 | 23 |
| 7 | <i>Candida utilis</i> metabolism and morphology under increased air pressure up to 12bar. <i>Process Biochemistry</i> , 2014, 49, 374-379. | 1.8 | 9 |
| 8 | Comparison of <i>Yarrowia lipolytica</i> and <i>Pichia pastoris</i> Cellular Response to Different Agents of Oxidative Stress. <i>Applied Biochemistry and Biotechnology</i> , 2013, 170, 448-458. | 1.4 | 15 |
| 9 | Batch and fed-batch growth of <i>Pichia pastoris</i> under increased air pressure. <i>Bioprocess and Biosystems Engineering</i> , 2013, 36, 1267-1275. | 1.7 | 8 |
| 10 | Modeling the influence of slurry concentration on <i>Saccharomyces cerevisiae</i> cake porosity and resistance during microfiltration. <i>Biotechnology Progress</i> , 2012, 28, 1534-1541. | 1.3 | 5 |
| 11 | Denitrification of a landfill leachate with high nitrate concentration in an anoxic rotating biological contactor. <i>Biodegradation</i> , 2011, 22, 661-671. | 1.5 | 24 |
| 12 | Mature landfill leachate treatment by denitrification and ozonation. <i>Process Biochemistry</i> , 2011, 46, 148-153. | 1.8 | 34 |
| 13 | Changes on surface morphology of corn starch blend films. <i>Journal of Biomedical Materials Research - Part A</i> , 2010, 94A, 720-729. | 2.1 | 5 |
| 14 | Effect of operating parameters on denitrification in an anoxic rotating biological contactor. <i>Environmental Technology (United Kingdom)</i> , 2009, 30, 1381-1389. | 1.2 | 10 |
| 15 | 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 |
| 16 | <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 |
| 17 | Quantification of the CBD-FITC conjugates surface coating on cellulose fibres. <i>BMC Biotechnology</i> , 2008, 8, 1. | 1.7 | 90 |
| 18 | Microfauna as Indicator of Copper, Zinc, and Cycloheximide in Activated Sludge Processes. <i>Environmental Engineering Science</i> , 2007, 24, 434-445. | 0.8 | 5 |

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|----|--|-----|-----------|
| 19 | 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 |
| 20 | 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 |
| 21 | 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 |
| 22 | Large-scale production of cellulose-binding domains. Adsorption studies using CBD-FITC conjugates. <i>Cellulose</i> , 2006, 13, 557-569. | 2.4 | 24 |
| 23 | 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 |
| 24 | Effect of copper in the protistan community of activated sludge. <i>Chemosphere</i> , 2005, 58, 605-614. | 4.2 | 61 |
| 25 | Preparation of controlled particulate mixtures with glass beads of different sizes. <i>Separation and Purification Technology</i> , 2004, 37, 69-80. | 3.9 | 12 |
| 26 | Changes in diffusion through the brain extracellular space. <i>Biotechnology and Applied Biochemistry</i> , 2004, 39, 223. | 1.4 | 13 |
| 27 | 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 |
| 28 | 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 |
| 29 | 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 |
| 30 | Studies on the Cellulose-Binding Domains Adsorption to Cellulose. <i>Langmuir</i> , 2004, 20, 1409-1413. | 1.6 | 34 |
| 31 | 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 |
| 32 | 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 |
| 33 | 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 |
| 34 | 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 |
| 35 | Molecular monitoring of microbial diversity in expanded granular sludge bed (EGSB) reactors treating oleic acid. <i>FEMS Microbiology Ecology</i> , 2002, 41, 95-103. | 1.3 | 53 |
| 36 | Immobilized Particles in Gel Matrix-Type Porous Media. Nonhomogeneous Cell Distribution. <i>Biotechnology Progress</i> , 2002, 18, 807-814. | 1.3 | 5 |

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|----|--|-----|-----------|
| 37 | Trends in the use of protozoa in the assessment of wastewater treatment. <i>Research in Microbiology</i> , 2001, 152, 621-630. | 1.0 | 66 |
| 38 | Degradation of Oleic Acid in Anaerobic Filters: The Effect of Inoculum Acclimatization and Biomass Recirculation. <i>Water Environment Research</i> , 2001, 73, 612-621. | 1.3 | 33 |
| 39 | In-vitro degradation behaviour of starch/EVOH biomaterials. <i>Polymer Degradation and Stability</i> , 2001, 73, 237-244. | 2.7 | 19 |
| 40 | Immobilized Particles in Gel Matrix-Type Porous Media. Homogeneous Porous Media Model. <i>Biotechnology Progress</i> , 2001, 17, 860-865. | 1.3 | 20 |
| 41 | Characterisation of Rosa Mosqueta 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 |
| 42 | 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 |
| 43 | 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 |
| 44 | Image analysis of packed beds of spherical particles of different sizes. <i>Separation and Purification Technology</i> , 1999, 15, 59-68. | 3.9 | 39 |
| 45 | Mass transfer properties of glucose and O ₂ in <i>Saccharomyces cerevisiae</i> flocs. <i>Biochemical Engineering Journal</i> , 1998, 2, 35-43. | 1.8 | 31 |
| 46 | QUANTIFICATION OF YEAST FLOCCULATION. <i>Journal of the Institute of Brewing</i> , 1997, 103, 93-98. | 0.8 | 30 |
| 47 | Physiological behaviour of <i>Saccharomyces cerevisiae</i> under increased air and oxygen pressures. <i>Biotechnology Letters</i> , 1997, 19, 703-708. | 1.1 | 17 |
| 48 | Flocculation onset, growth phase, and genealogical age in <i>Saccharomyces cerevisiae</i> . <i>Canadian Journal of Microbiology</i> , 1996, 42, 539-547. | 0.8 | 47 |
| 49 | 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 |
| 50 | Influence of operational parameters on the start-up of a flocculation airlift bioreactor. <i>Colloids and Surfaces B: Biointerfaces</i> , 1994, 2, 181-188. | 2.5 | 10 |
| 51 | Population dynamics of flocculating yeasts. <i>FEMS Microbiology Reviews</i> , 1994, 14, 45-51. | 3.9 | 6 |
| 52 | Effect of cultural and nutritional conditions on the control of flocculation expression in <i>Saccharomyces cerevisiae</i> . <i>Canadian Journal of Microbiology</i> , 1994, 40, 851-857. | 0.8 | 42 |
| 53 | Interaction between flocculent and nonflocculent cells of <i>Saccharomyces cerevisiae</i> . <i>Canadian Journal of Microbiology</i> , 1992, 38, 969-974. | 0.8 | 15 |
| 54 | 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 |

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|----|--|-----|-----------|
| 55 | Influence of aeration and glucose concentration in the flocculation of <i>Saccharomyces cerevisiae</i> . <i>Biotechnology Letters</i> , 1991, 13, 207-212. | 1.1 | 16 |
| 56 | Experimental assessment of internal diffusion limitations in yeast flocs. <i>The Chemical Engineering Journal</i> , 1990, 43, B13-B17. | 0.4 | 17 |