Miriam Maria de Resende

List of Publications by Year
in descending order

47 papers	1,012 citations	489802 18 h-index	511568 30 g-index
51 all docs	51 docs citations	51 times ranked	1566 citing authors

#	Article	IF	Citations
1	Acid Phosphatase Immobilization and Production Study by Trichoderma spp. in Soybean Molasses. Chemical Engineering and Technology, 2022, 45, 979-984.	0.9	1
2	Leaching with mixed organic acids and sulfuric acid to recover cobalt and lithium from lithium ion batteries. Environmental Technology (United Kingdom), 2021, 42, 4027-4037.	1.2	11
3	Improvement of ethanol production in fed-batch fermentation using a mixture of sugarcane juice and molasse under very high-gravity conditions. Bioprocess and Biosystems Engineering, 2021, 44, 617-625.	1.7	19
4	Synthesis and Immobilization of Î²-galactosidase from Kluyveromyces marxianus Using Ion Exchange Resin. Industrial Biotechnology, 2021, 17, 27-37.	0.5	2
5	Very High Gravity Bioethanol Revisited: Main Challenges and Advances. Fermentation, 2021, 7, 38.	1.4	21
6	Culture Medium Evaluation Using Lowâ€Cost Substrate for Biosurfactants Lipopeptides Production by Bacillus amyloliquefaciens in Pilot Bioreactor. Journal of Surfactants and Detergents, 2020, 23, 91-98.	1.0	11
7	Alcoholic fermentation with high sugar and cell concentration at moderate temperatures using flocculant yeasts. Korean Journal of Chemical Engineering, 2020, 37, 1717-1725.	1.2	1
8	Interference of a magnetic field generated by circular magnets in the retention of chromium by microbial cells and in the morphology of a mixed culture during the bio-removal of chromium from effluent. Chemical Engineering and Processing: Process Intensification, 2020, 154, 108019.	1.8	4
9	Removal and desorption of chromium in synthetic effluent by a mixed culture in a bioreactor with a magnetic field. Journal of Environmental Sciences, 2020, 91, 151-159.	3.2	7
10	Immobilization of the enzyme invertase in SBA-15 with surfaces functionalized by different organic compounds. Journal of Porous Materials, 2019, 26, 77-89.	1.3	10
11	Electrodialysis for removal of chromium (VI) from effluent: Analysis of concentrated solution saturation. Journal of Environmental Chemical Engineering, 2019, 7, 103380.	3.3	38
12	An experimental and computational study of biosurfactant production from soy molasses. Reaction Kinetics, Mechanisms and Catalysis, 2019, 128, 847-865.	0.8	3
13	Phosphorus Recovery from Phosphate Rocks Using Phosphate-Solubilizing Bacteria. Geomicrobiology Journal, 2019, 36, 195-203.	1.0	30
14	Evaluation of process conditions in the performance of yeast on alcoholic fermentation. Chemical Engineering Communications, 2018, 205, 846-855.	1.5	13
15	Production of omega-3 polyunsaturated fatty acids through hydrolysis of fish oil by Candida rugosa lipase immobilized and stabilized on different supports. Biocatalysis and Biotransformation, 2017, 35, 63-73.	1.1	14
16	Solid-phase amination of Geotrichum candidum lipase: ionic immobilization, stabilization and fish oil hydrolysis for the production of Omega-3 polyunsaturated fatty acids. European Food Research and Technology, 2017, 243, 1375-1384.	1.6	12
17	Soy molasses as a fermentation substrate for the production of biosurfactant using Pseudomonas aeruginosa ATCC 10145. Environmental Science and Pollution Research, 2017, 24, 18699-18709.	2.7	28
18	Sucrose hydrolysis by invertase immobilized on Duolite A-568 employing a packed-bed reactor. Chemical Engineering Communications, 2017, 204, 1007-1019.	1.5	8

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19	Improvement of recovered activity and stability of the Aspergillus oryzae Î²-galactosidase immobilized on duolite A568 by combination of immobilization methods. Chemical Industry and Chemical Engineering Quarterly, 2017, 23, 495-506.	0.4	7
20	Biodiesel dry purification with sugarcane bagasse. Industrial Crops and Products, 2016, 89, 119-127.	2.5	48
21	Optimization of the production and characterization of lipase from Candida rugosa and Geotrichum candidum in soybean molasses by submerged fermentation. Protein Expression and Purification, 2016, 123, 26-34.	0.6	35
22	Influence of Magnetic Field Frequency Generated by Permanent Magnets in Mixed Culture Used for the Treatment of Effluent Contaminated with Chromium. Water, Air, and Soil Pollution, 2016, 227, 1.	1.1	5
23	Joint Assessment of Bioreduction of Chromium(VI) and of Removals of Both Total Chromium and Total Organic Carbon (TOC) in Sequential Hybrid Bioreactors. Water, Air, and Soil Pollution, 2016, 227, 1.	1.1	11
24	Bio-oil production and removal of organic load by microalga Scenedesmus sp. using culture medium contaminated with different sugars, cheese whey and whey permeate. Journal of Environmental Management, 2016, 173, 134-140.	3.8	5
25	Alcoholic Fermentation with Selfâ€Flocculating Yeast in a Tower Upflow Reactor. Chemical Engineering and Technology, 2015, 38, 345-354.	0.9	5
26	OPTIMIZATION OF THE OPERATING CONDITIONS FOR RHAMNOLIPID PRODUCTION USING SLAUGHTERHOUSE-GENERATED INDUSTRIAL FLOAT AS SUBSTRATE. Brazilian Journal of Chemical Engineering, 2015, 32, 357-365.	0.7	9
27	Continuous ethanol fermentation in tower reactors with cell recycling using flocculent Saccharomyces cerevisiae. Process Biochemistry, 2015, 50, 1725-1729.	1.8	14
28	Influence of an electromagnetic field on the bioreduction of chromium (VI) using a mixed culture of microorganisms. Environmental Progress and Sustainable Energy, 2015, 34, 88-98.	1.3	7
29	Alcoholic Fermentation with Flocculant Saccharomyces cerevisiae in Fed-Batch Process. Applied Biochemistry and Biotechnology, 2014, 172, 1623-1638.	1.4	14
30	Biohydrogen Production Through Dark Fermentation by a Microbial Consortium Using Whey Permeate as Substrate. Applied Biochemistry and Biotechnology, 2014, 172, 3670-3685.	1.4	41
31	Evaluation of potential ethanol production and nutrients for four varieties of sweet sorghum during maturation. Renewable Energy, 2014, 71, 518-524.	4.3	37
32	Evaluation of hop extract as a natural antibacterial agent in contaminated fuel ethanol fermentations. Fuel Processing Technology, 2013, 106, 611-618.	3.7	21
33	Optimization and modeling of lactose hydrolysis in a packed bed system using immobilized Î²-galactosidase from Aspergillus oryzae. Journal of Molecular Catalysis B: Enzymatic, 2013, 85-86, 178-186.	1.8	22
34	Ethanol Production from Hydrolyzed Soybean Molasses. Energy & Fuels, 2012, 26, 2310-2316.	2.5	26
35	Use of a greasy effluent floater treatment station from the slaughterhouse for biosurfactant production. Biotechnology and Applied Biochemistry, 2012, 59, 238-244.	1.4	10
36	Evaluation of the bioremoval of Cr(VI) and TOC in biofilters under continuous operation using response surface methodology. Biodegradation, 2012, 23, 441-454.	1.5	6

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37	Î²-Galactosidase of Aspergillus oryzae immobilized in an ion exchange resin combining the ionic-binding and crosslinking methods: Kinetics and stability during the hydrolysis of lactose. Journal of Molecular Catalysis B: Enzymatic, 2011, 71, 139-145.	1.8	31
38	Characterization of xanthan gum produced from sugar cane broth. Carbohydrate Polymers, 2011, 86, 469-476.	5.1	203
39	Evaluation of hexavalent chromium removal in a continuous biological filter with the use of central composite design (CCD). Journal of Environmental Management, 2011, 92, 1165-1173.	3.8	24
40	Application of a model using the phenomenological approach for prediction of growth and xanthan gum production with sugar cane broth in a batch process. LWT - Food Science and Technology, 2010, 43, 498-506.	2.5	24
41	Biosurfactant Production by Pseudomonas aeruginosa Grown in Residual Soybean Oil. Applied Biochemistry and Biotechnology, 2009, 152, 156-168.	1.4	66
42	A Comparison Between Shaker and Bioreactor Performance Based on the Kinetic Parameters of Xanthan Gum Production. Applied Biochemistry and Biotechnology, 2009, 156, 45-58.	1.4	19
43	Enhancement of rhamnoplipid production in residual soybean oil by an isolated strain of Pseudomonas aeruginosa. Applied Biochemistry and Biotechnology, 2007, 137-140, 463-470.	1.4	9
44	Estimation of mass transfer parameters in a Taylor-Couette-Poiseuille heterogeneous reactor. Brazilian Journal of Chemical Engineering, 2004, 21, 175-184.	0.7	21
45	Hybrid Model for an Enzymatic Reactor: Hydrolysis of Cheese Whey Proteins by Alcalase Immobilized in Agarose Gel Particles. Applied Biochemistry and Biotechnology, 2003, 106, 413-422.	1.4	9
46	Simulating a ceramic membrane bioreactor for the production of penicillin: an example of the importance of consistent initialization for solving DAE systems. Process Biochemistry, 2002, 37, 1297-1305.	1.8	5
47	Distribution of suspended particles in a Taylorâ€“Poiseuille vortex flow reactor. Chemical Engineering Science, 2001, 56, 755-761.	1.9	26