

Fernanda P Casciatori

List of Publications by Year in descending order

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Version: 2024-02-01

23
papers

355
citations

840776

11
h-index

839539

18
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23
all docs

23
docs citations

23
times ranked

268
citing authors

#	ARTICLE	IF	CITATIONS
1	Two-phase and two-dimensional model describing heat and water transfer during solid-state fermentation within a packed-bed bioreactor. <i>Chemical Engineering Journal</i> , 2016, 287, 103-116.	12.7	48
2	Structural properties of beds packed with agro-industrial solid by-products applicable for solid-state fermentation: Experimental data and effects on process performance. <i>Chemical Engineering Journal</i> , 2014, 255, 214-224.	12.7	42
3	Strategies for scaling-up packed-bed bioreactors for solid-state fermentation: The case of cellulolytic enzymes production by a thermophilic fungus. <i>Chemical Engineering Journal</i> , 2019, 361, 1142-1151.	12.7	39
4	Model-based Control of Enzyme Yield in Solid-state Fermentation. <i>Procedia Engineering</i> , 2015, 102, 362-371.	1.2	26
5	β -Mannanase Production Using Coffee Industry Waste for Application in Soluble Coffee Processing. <i>Biomolecules</i> , 2020, 10, 227.	4.0	25
6	Hygroscopic properties of solid agro-industrial by-products used in solid-state fermentation. <i>Industrial Crops and Products</i> , 2015, 64, 114-123.	5.2	24
7	Stagnant Effective Thermal Conductivity of Agro-Industrial Residues for Solid-State Fermentation. <i>International Journal of Food Properties</i> , 2013, 16, 1578-1593.	3.0	23
8	Heat transfer in packed-beds of agricultural waste with low rates of air flow applicable to solid-state fermentation. <i>Chemical Engineering Science</i> , 2018, 188, 97-111.	3.8	20
9	<i>Metarhizium anisopliae</i> conidia production in packed-bed bioreactor using rice as substrate in successive cultivations. <i>Process Biochemistry</i> , 2020, 97, 104-111.	3.7	18
10	Production of conidia of the entomopathogenic fungus <i>Metarhizium anisopliae</i> ICB 425 in a tray bioreactor. <i>Bioprocess and Biosystems Engineering</i> , 2019, 42, 1757-1768.	3.4	15
11	β -Glucosidase production by <i>Trichoderma reesei</i> and <i>Thermoascus aurantiacus</i> by solid state cultivation and application of enzymatic cocktail for saccharification of sugarcane bagasse. <i>Biomass Conversion and Biorefinery</i> , 2021, 11, 503-513.	4.6	15
12	Improving enzyme production by solid-state cultivation in packed-bed bioreactors by changing bed porosity and airflow distribution. <i>Bioprocess and Biosystems Engineering</i> , 2021, 44, 537-548.	3.4	12
13	HACCP plan proposal for a typical Brazilian peanut processing company. <i>Food Control</i> , 2009, 20, 671-676.	5.5	11
14	Investigation of heat transfer in partially filled horizontal drums. <i>Chemical Engineering Journal</i> , 2017, 316, 988-1003.	12.7	10
15	Hygroscopic Properties of Orange Pulp and Peel. <i>Journal of Food Process Engineering</i> , 2013, 36, 803-810.	2.9	9
16	Growth kinetics of <i>Myceliophthora thermophila</i> M.7 in solid-state cultivation. <i>Journal of Applied Microbiology</i> , 2021, 130, 90-99.	3.1	5
17	Solid-liquid extraction of cellulases from fungal solid-state cultivation in a packed bed bioreactor. <i>Korean Journal of Chemical Engineering</i> , 2020, 37, 1530-1540.	2.7	4
18	A two-phase model for simulation of water transfer during lipase production by solid-state cultivation in a tray bioreactor using babassu residues as substrate. <i>Chemical Engineering and Processing: Process Intensification</i> , 2022, 177, 108981.	3.6	4

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19	Alternative strategies to perform solid-state cultivation in a multilayer packed-bed bioreactor: Continuous and cyclic operations. Chemical Engineering Journal, 2022, 448, 137726.	12.7	3
20	Fungal cellulases: production by solid-state cultivation in packed-bed bioreactor using solid agro-industrial by-products as substrates and application for hydrolysis of sugarcane bagasse. Semina:Ciencias Agrarias, 0, , 2097-2116.	0.3	2
21	EFEITO DE PARÂMETROS ESTRUTURAIIS DO SUBSTRATO SOBRE PREDIÇÕES DE TEMPERATURA E UMIDADE EM BIORREATORES DE FERMENTAÇÃO SÓLIDA. , 0, , .		0
22	Automatic system for monitoring gaseous concentration in a packed-bed solid-state cultivation bioreactor. Chemical Engineering Science, 2022, 259, 117793.	3.8	0
23	Nanocellulose isolation using a thermostable endoglucanase-rich cocktail from Myceliophthora thermophila cultivated in a multilayer packed-bed bioreactor. Biomass Conversion and Biorefinery, 0, , .	4.6	0