

Mateus N Esperanãsa

List of Publications by Year in descending order

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Version: 2024-02-01

16
papers

324
citations

1040056

9
h-index

940533

16
g-index

16
all docs

16
docs citations

16
times ranked

404
citing authors

#	ARTICLE	IF	CITATIONS
1	Linking maximal shear rate and energy dissipation/circulation function in airlift bioreactors. <i>Biochemical Engineering Journal</i> , 2022, 178, 108308.	3.6	4
2	Individual effect of shear rate and oxygen transfer on clavulanic acid production by <i>Streptomyces clavuligerus</i> . <i>Bioprocess and Biosystems Engineering</i> , 2021, 44, 1721-1732.	3.4	3
3	Heat transfer evaluation for conventional and extractive ethanol fermentations: Saving cooling water. <i>Journal of Cleaner Production</i> , 2021, 304, 127063.	9.3	10
4	Sparger design as key parameter to define shear conditions in pneumatic bioreactors. <i>Biochemical Engineering Journal</i> , 2020, 157, 107529.	3.6	14
5	Relation between pellet fragmentation kinetics and cellulolytic enzymes production by <i>Aspergillus niger</i> in conventional bioreactor with different impellers. <i>Enzyme and Microbial Technology</i> , 2020, 139, 109587.	3.2	14
6	Oxygen Transfer and Fragmentation of <i>Aspergillus niger</i> Pellets in Stirred Tank and Concentric-Duct Airlift Bioreactors. <i>Industrial Biotechnology</i> , 2020, 16, 67-74.	0.8	10
7	Average shear rate in airlift bioreactors: searching for the true value. <i>Bioprocess and Biosystems Engineering</i> , 2019, 42, 995-1008.	3.4	7
8	Aeration step method for $k_L a$ measurement under growth conditions in pneumatic bioreactors. <i>Journal of Chemical Technology and Biotechnology</i> , 2019, 94, 2327-2332.	3.2	4
9	Effect of geometric design on performance of square cross-section concentric duct and split airlift bioreactors. <i>Canadian Journal of Chemical Engineering</i> , 2017, 95, 2324-2332.	1.7	6
10	High Lipase Production from <i>Geotrichum candidum</i> in Reduced Time using Cottonseed Oil: Optimization, Easy Purification and Specificity Characterization. <i>Journal of Chemical Engineering Research Updates</i> , 2017, 3, 60-69.	0.1	7
11	A new approach for $k_L a$ determination by gassing-out method in pneumatic bioreactors. <i>Journal of Chemical Technology and Biotechnology</i> , 2016, 91, 3061-3069.	3.2	10
12	Influence of dual-impeller type and configuration on oxygen transfer, power consumption, and shear rate in a stirred tank bioreactor. <i>Biochemical Engineering Journal</i> , 2016, 114, 130-139.	3.6	54
13	Three-phasic fermentation systems for enzyme production with sugarcane bagasse in stirred tank bioreactors: Effects of operational variables and cultivation method. <i>Biochemical Engineering Journal</i> , 2015, 97, 32-39.	3.6	27
14	Stripping of ethanol with CO ₂ in bubble columns: Effects of operating conditions and modeling. <i>Chemical Engineering Research and Design</i> , 2015, 102, 150-160.	5.6	21
15	Gas hold-up and oxygen mass transfer in three pneumatic bioreactors operating with sugarcane bagasse suspensions. <i>Bioprocess and Biosystems Engineering</i> , 2014, 37, 805-812.	3.4	10
16	Sequential solid-state and submerged cultivation of <i>Aspergillus niger</i> on sugarcane bagasse for the production of cellulase. <i>Bioresource Technology</i> , 2012, 112, 270-274.	9.6	123