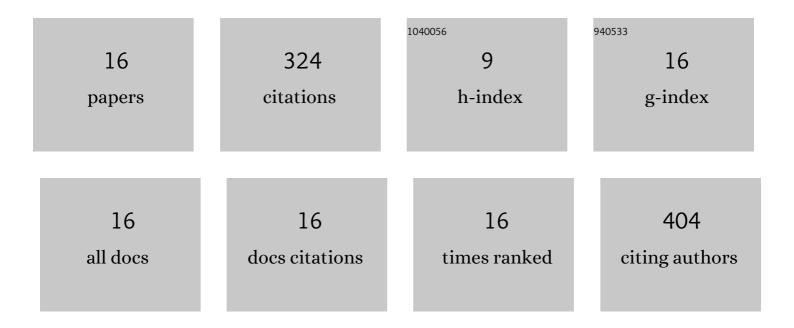
## Mateus N Esperança

List of Publications by Year in descending order

Source: https://exaly.com/author-pdf/3141979/publications.pdf Version: 2024-02-01



#	Article	IF	CITATIONS
1	Sequential solid-state and submerged cultivation of Aspergillus niger on sugarcane bagasse for the production of cellulase. Bioresource Technology, 2012, 112, 270-274.	9.6	123
2	Influence of dual-impeller type and configuration on oxygen transfer, power consumption, and shear rate in a stirred tank bioreactor. Biochemical Engineering Journal, 2016, 114, 130-139.	3.6	54
3	Three-phasic fermentation systems for enzyme production with sugarcane bagasse in stirred tank bioreactors: Effects of operational variables and cultivation method. Biochemical Engineering Journal, 2015, 97, 32-39.	3.6	27
4	Stripping of ethanol with CO2 in bubble columns: Effects of operating conditions and modeling. Chemical Engineering Research and Design, 2015, 102, 150-160.	5.6	21
5	Sparger design as key parameter to define shear conditions in pneumatic bioreactors. Biochemical Engineering Journal, 2020, 157, 107529.	3.6	14
6	Relation between pellet fragmentation kinetics and cellulolytic enzymes production by Aspergillus niger in conventional bioreactor with different impellers. Enzyme and Microbial Technology, 2020, 139, 109587.	3.2	14
7	Gas hold-up and oxygen mass transfer in three pneumatic bioreactors operating with sugarcane bagasse suspensions. Bioprocess and Biosystems Engineering, 2014, 37, 805-812.	3.4	10
8	A new approach for <i><scp>k<sub>L</sub>a</scp></i> determination by gassingâ€out method in pneumatic bioreactors. Journal of Chemical Technology and Biotechnology, 2016, 91, 3061-3069.	3.2	10
9	Oxygen Transfer and Fragmentation of <i>Aspergillus niger</i> Pellets in Stirred Tank and Concentric-Duct Airlift Bioreactors. Industrial Biotechnology, 2020, 16, 67-74.	0.8	10
10	Heat transfer evaluation for conventional and extractive ethanol fermentations: Saving cooling water. Journal of Cleaner Production, 2021, 304, 127063.	9.3	10
11	Average shear rate in airlift bioreactors: searching for the true value. Bioprocess and Biosystems Engineering, 2019, 42, 995-1008.	3.4	7
12	High Lipase Production from Geotrichum candidum in Reduced Time using Cottonseed Oil: Optimization, Easy Purification and Specificity Characterization. Journal of Chemical Engineering Research Updates, 2017, 3, 60-69.	0.1	7
13	Effect of geometric design on performance of square crossâ€section concentricâ€duct and split airlift bioreactors. Canadian Journal of Chemical Engineering, 2017, 95, 2324-2332.	1.7	6
14	Aeration step method for <i>k</i> <sub>L</sub> <i>a</i> measurement under growth conditions in pneumatic bioreactors. Journal of Chemical Technology and Biotechnology, 2019, 94, 2327-2332.	3.2	4
15	Linking maximal shear rate and energy dissipation/circulation function in airlift bioreactors. Biochemical Engineering Journal, 2022, 178, 108308.	3.6	4
16	Individual effect of shear rate and oxygen transfer on clavulanic acid production by Streptomyces clavuligerus. Bioprocess and Biosystems Engineering, 2021, 44, 1721-1732.	3.4	3