Leobardo Serrano-CarreÃ³n

List of Publications by Year
in descending order

20 papers	499 citations	759055 12 h-index	752573 20 g-index
20 all docs	20 docs citations	20 times ranked	639 citing authors

#	Article	IF	Citations
1	Production of 6-pentyl-Î±-pyrone by Trichoderma harzianum cultured in unbaffled and baffled shake flasks. Biochemical Engineering Journal, 2004, 18, 1-8.	1.8	85
2	Increasing Pleurotus ostreatus laccase production by culture medium optimization and copper/lignin synergistic induction. Journal of Industrial Microbiology and Biotechnology, 2011, 38, 531-540.	1.4	49
3	From shake flasks to stirred fermentors: Scale-up of an extractive fermentation process for 6-pentyl-Î±-pyrone production by Trichoderma harzianum using volumetric power input. Process Biochemistry, 2006, 41, 1347-1352.	1.8	46
4	Bacillus velezensis 83 a bacterial strain from mango phyllosphere, useful for biological control and plant growth promotion. AMB Express, 2020, 10, 163.	1.4	37
5	6-pentyl-Î±-pyrone production byTrichoderma harzianum: The influence of energy dissipation rate and its implications on fungal physiology. Biotechnology and Bioengineering, 2005, 91, 54-61.	1.7	35
6	Rhizoctonia solani, an elicitor of 6-pentyl-Î±-pyrone production by Trichoderma harzianum in a two liquid phases, extractive fermentation system. Biotechnology Letters, 2004, 26, 1403-1406.	1.1	31
7	The potential application of aqueous two-phase systems for in situ recovery of 6-pentyl-âˆž-pyrone produced by Trichoderma harzianum. Enzyme and Microbial Technology, 2001, 28, 625-631.	1.6	29
8	Effects of bacillomycin D homologues produced by Bacillus amyloliquefaciens 83 on growth and viability of Colletotrichum gloeosporioides at different physiological stages. Biological Control, 2018, 127, 145-154.	1.4	29
9	The challenges of introducing a new biofungicide to the market: A case study. Electronic Journal of Biotechnology, 2013, 16, .	1.2	26
10	Toward an understanding of the effects of agitation and aeration on growth and laccases production by Pleurotus ostreatus. Journal of Biotechnology, 2014, 177, 67-73.	1.9	25
11	Accurate and rapid viability assessment ofTrichoderma harzianumusing fluorescence-based digital image analysis. Biotechnology and Bioengineering, 2002, 80, 677-684.	1.7	20
12	The influence of circulation frequency on fungal morphology: A case study considering Kolmogorov microscale in constant specific energy dissipation rate cultures of Trichoderma harzianum. Journal of Biotechnology, 2007, 130, 394-401.	1.9	17
13	Bacillus velezensis 83 increases productivity and quality of tomato (Solanum lycopersicum L.): Pre and postharvest assessment. Current Research in Microbial Sciences, 2021, 2, 100076.	1.4	15
14	Glucose limitation and glucose uptake rate determines metabolite production and sporulation in high cell density continuous cultures of Bacillus amyloliquefaciens 83. Journal of Biotechnology, 2019, 299, 57-65.	1.9	12
15	Impact of Meyerozyma guilliermondii isolated from chickens against Eimeria sp. protozoan, an in vitro analysis. BMC Veterinary Research, 2015, 11, 278.	0.7	11
16	Diffusional and transcriptional mechanisms involved in laccases production by Pleurotus ostreatus CP50. Journal of Biotechnology, 2016, 223, 42-49.	1.9	8
17	Oxygen transfer rate determines molecular weight and production of <scp>poly(</scp><i>Î³</i>â€‹<scp>glutamic</scp> acid) as well as carbon utilization by <i>Bacillus velezensis</i> 83. Journal of Chemical Technology and Biotechnology, 2020, 95, 2383-2392.	1.6	8
18	Strategies based on aqueous two-phase systems for the separation of laccase from protease produced by Pleurotus ostreatus. Fluid Phase Equilibria, 2019, 502, 112281.	1.4	7

#	Article	IF	Citations
19	Elicitation and biotransformation of 6-pentyl-Î±-pyrone in Trichoderma atroviride cultures. Process Biochemistry, 2019, 82, 68-74.	1.8	6
20	Oxygen transfer and bubble sizes occurring in a pilotâ€scale cultivation of <i>Bacillus velezensis</i> 83 for the production of poly(<i>Î³</i>â€glutamic acid) under two schemes of power drawn. Journal of Chemical Technology and Biotechnology, 2022, 97, 1684-1694.	1.6	3