Alvaro Gonzalez-GarcinuÃ±o

List of Publications by Year
in descending order

15 papers	274 citations	933264 10 h-index	996849 15 g-index
15 all docs	15 docs citations	15 times ranked	317 citing authors

#	Article	IF	Citations
1	Development of a nanoparticle system based on a fructose polymer: Stability and drug release studies. Carbohydrate Polymers, 2017, 160, 26-33.	5.1	40
2	Effect of nitrogen source on growth and lipid accumulation in Scenedesmus abundans and Chlorella ellipsoidea. Bioresource Technology, 2014, 173, 334-341.	4.8	35
3	Effect of bacteria type and sucrose concentration on levan yield and its molecular weight. Microbial Cell Factories, 2017, 16, 91.	1.9	33
4	Levan and levansucrases: Polymer, enzyme, micro-organisms and biomedical applications. Biocatalysis and Biotransformation, 2018, 36, 233-244.	1.1	32
5	Understanding and optimizing the addition of phytohormones in the culture of microalgae for lipid production. Biotechnology Progress, 2016, 32, 1203-1211.	1.3	29
6	Levan-Capped Silver Nanoparticles for Bactericidal Formulations: Release and Activity Modelling. International Journal of Molecular Sciences, 2019, 20, 1502.	1.8	22
7	Differences in levan nanoparticles depending on their synthesis route: Microbial vs cell-free systems. International Journal of Biological Macromolecules, 2019, 137, 62-68.	3.6	19
8	Supercritical CO2 assisted formation of composite membranes containing an amphiphilic fructose-based polymer. Journal of CO2 Utilization, 2019, 34, 274-281.	3.3	15
9	Survey of supercritical fluid techniques for producing drug delivery systems for a potential use in cancer therapy. Reviews in Chemical Engineering, 2016, 32, 507-532.	2.3	11
10	A comprehensive study on levan nanoparticles formation: Kinetics and self-assembly modeling. International Journal of Biological Macromolecules, 2020, 147, 1089-1098.	3.6	11
11	Biotechnological strategies to produce levan: Mass transfer and techno-economical evaluation. Chemical Engineering and Processing: Process Intensification, 2019, 141, 107529.	1.8	8
12	Production of fungistatic porous structures of cellulose acetate loaded with quercetin, using supercritical CO2. Journal of Supercritical Fluids, 2021, 169, 105129.	1.6	8
13	Steady and Oscillatory Shear Flow Behavior of Different Polysaccharides with LaponiteÂ®. Polymers, 2021, 13, 966.	2.0	5
14	Tuning Alginate Microparticle Size via Atomization of Non-Newtonian Fluids. Materials, 2021, 14, 7601.	1.3	3
15	An Approach to Minimize Tumour Proliferation by Reducing the Formation of Components for Cell Membrane. Molecules, 2022, 27, 2735.	1.7	3