Mariana Altenhofen da Silva

List of Publications by Year
in descending order

31 papers	2,648 citations	394421 19 h-index	552781 26 g-index
31 all docs	31 docs citations	31 times ranked	3712 citing authors

#	Article	IF	Citations
1	Natural-based plasticizers and biopolymer films: A review. European Polymer Journal, 2011, 47, 254-263.	5.4	1,425
2	Alginate and pectin composite films crosslinked with Ca2+ ions: Effect of the plasticizer concentration. Carbohydrate Polymers, 2009, 77, 736-742.	10.2	261
3	Polyvinylchloride (PVC) and natural rubber films plasticized with a natural polymeric plasticizer obtained through polyesterification of rice fatty acid. Polymer Testing, 2011, 30, 478-484.	4.8	177
4	Natamycin release from alginate/pectin films for food packaging applications. Journal of Food Engineering, 2012, 110, 18-25.	5.2	176
5	State diagrams of freeze-dried camu-camu (Myrciaria dubia (HBK) Mc Vaugh) pulp with and without maltodextrin addition. Journal of Food Engineering, 2006, 77, 426-432.	5.2	88
6	Effect of calcium and/or barium crosslinking on the physical and antimicrobial properties of natamycin-loaded alginate films. LWT - Food Science and Technology, 2014, 57, 494-501.	5.2	73
7	Influence of natamycin loading methods on the physical characteristics of alginate active films. Journal of Supercritical Fluids, 2013, 76, 74-82.	3.2	46
8	Epoxidation of modified natural plasticizer obtained from rice fatty acids and application on polyvinylchloride films. Journal of Applied Polymer Science, 2013, 127, 3543-3549.	2.6	42
9	Evaluation of the Antimicrobial Potential of Alginate and Alginate/Chitosan Films Containing Potassium Sorbate and Natamycin. Packaging Technology and Science, 2013, 26, 479-492.	2.8	37
10	Heterotrophic growth of green microalgaeDesmodesmus subspicatusin ethanol distillation wastewater (vinasse) and lipid extraction with supercritical CO₂. Journal of Chemical Technology and Biotechnology, 2017, 92, 573-579.	3.2	33
11	Synthesis and application of natural polymeric plasticizer obtained through polyesterification of rice fatty acid. Materials Research, 2014, 17, 386-391.	1.3	32
12	Sugarcane vinasse and microalgal biomass in the production of pectin particles as an alternative soil fertilizer. Carbohydrate Polymers, 2019, 203, 322-330.	10.2	31
13	Chitosan Cross-Linked Pentasodium Tripolyphosphate Micro/Nanoparticles Produced by Ionotropic Gelation. Sugar Tech, 2016, 18, 49-54.	1.8	30
14	Modelling natamycin release from alginate/chitosan active films. International Journal of Food Science and Technology, 2012, 47, 740-746.	2.7	28
15	Influence of Drying Conditions on Physical Properties of Alginate Films. Drying Technology, 2012, 30, 72-79.	3.1	28
16	Ascorbic Acid Thermal Degradation during Hot Air Drying of Camu-Camu (Myrciaria dubia[H.B.K.]) Tj ETQq0 0 0 rgBT /Overlock 10 Tf 50	3.1	26
17	Evaluation of new environmental friendly particulate soil fertilizers based on agroindustry wastes biopolymers and sugarcane vinasse. Waste Management, 2020, 108, 144-153.	7.4	23
18	Physicochemical properties of konjac glucomannan/alginate films enriched with sugarcane vinasse intended for mulching applications. International Journal of Biological Macromolecules, 2020, 165, 1717-1726.	7.5	21

#	Article	IF	Citations
19	Inactivation of Bacillus subtilis and Geobacillus stearothermophilus inoculated over metal surfaces using supercritical CO2 process and nisin. Journal of Supercritical Fluids, 2016, 109, 87-94.	3.2	19
20	Production and characterization of alginate beads for growth of immobilized Desmodesmus subspicatus and its potential to remove potassium, carbon and nitrogen from sugarcane vinasse. Biocatalysis and Agricultural Biotechnology, 2019, 22, 101438.	3.1	16
21	Chitosan Associated with the Extract of Unripe Banana Peel for Potential Wound Dressing Application. International Journal of Polymer Science, 2017, 2017, 1-8.	2.7	10
22	Fundamentals of two-dimensional films and membranes. , 2020, , 35-66.		6
23	Bioprocessing of shrimp wastes to obtain chitosan and its antimicrobial potential in the context of ethanolic fermentation against bacterial contamination. 3 Biotech, 2020, 10, 135.	2.2	5
24	Plant extracts in agriculture and their applications in the treatment of seeds. Ciencia Rural, 2022, 52, .	0.5	5
25	Phase Transitions of Frozen Camu-camu (Myrciaria dubia (H.B.K.) McVaugh) Pulp: Effect of Cryostabilizer Addition. Food Biophysics, 2008, 3, 312-317.	3.0	4
26	Water sorption and glass transition of freeze-dried camu-camu (myrciaria dubia (H.B.K.) Mc Vaugh) pulp. Journal of Thermal Analysis and Calorimetry, 2006, 84, 435-439.	3.6	3
27	Natamycin release from alginate active films to liquid and semi-solid media. Brazilian Journal of Chemical Engineering, 2022, 39, 455-462.	1.3	2
28	Lipid productivity in the fed-batch growth of Desmodesmus green microalgae from sugarcane vinasse. , 2017, , .		1
29	<i>Development and characterization of pectin/vinasse films for agriculture applications</i>. , 2017, , .		0
30	PRODUÃ‡ÃƒO DE LIPÃDIOS UNICELULARES POR Desmodesmus subspicatus EM VINHAÃ‡A A DIFERENTES TEMPERATURAS. , 0, , .		0
31	Heterotrophic growth of Aphanothece microscopica NÃgeli in calcium alginate beads from BG11 medium and vinasse. Semina: CiÃªncias Exatas E TecnolÃ³gicas, 2019, 40, 155.	0.1	0