AndrÃ©a C K Bierhalz

List of Publications by Year
in descending order

26 papers	968 citations	567144 15 h-index	610775 24 g-index
26 all docs	26 docs citations	26 times ranked	1294 citing authors

#	Article	IF	Citations
1	Alginate and pectin composite films crosslinked with Ca2+ ions: Effect of the plasticizer concentration. Carbohydrate Polymers, 2009, 77, 736-742.	5.1	261
2	Natamycin release from alginate/pectin films for food packaging applications. Journal of Food Engineering, 2012, 110, 18-25.	2.7	176
3	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.	2.5	73
4	Protein adsorption onto alginate-pectin microparticles and films produced by ionic gelation. Journal of Food Engineering, 2015, 154, 17-24.	2.7	47
5	Chitosan microcapsules: Methods of the production and use in the textile finishing. Journal of Applied Polymer Science, 2021, 138, 50482.	1.3	47
6	Influence of natamycin loading methods on the physical characteristics of alginate active films. Journal of Supercritical Fluids, 2013, 76, 74-82.	1.6	46
7	Alginate and carboxymethyl cellulose in monolayer and bilayer films as wound dressings: Effect of the polymer ratio. Journal of Applied Polymer Science, 2019, 136, 46941.	1.3	39
8	Comparison of the properties of membranes produced with alginate and chitosan from mushroom and from shrimp. International Journal of Biological Macromolecules, 2016, 91, 496-504.	3.6	38
9	Modelling natamycin release from alginate/chitosan active films. International Journal of Food Science and Technology, 2012, 47, 740-746.	1.3	28
10	Influence of Drying Conditions on Physical Properties of Alginate Films. Drying Technology, 2012, 30, 72-79.	1.7	28
11	BIOMATERIALS: TYPES, APPLICATIONS, AND MARKET. Quimica Nova, 2015, , .	0.3	21
12	Composite membranes of alginate and chitosan reinforced with cotton or linen fibers incorporating epidermal growth factor. Materials Science and Engineering C, 2017, 76, 287-294.	3.8	19
13	Tuning the properties of alginateâ€"chitosan membranes by varying the viscosity and the proportions of polymers. Journal of Applied Polymer Science, 2016, 133, .	1.3	18
14	Diclofenac release from alginate/carboxymethyl cellulose mono and bilayer films for wound dressing applications. Cellulose, 2020, 27, 6629-6642.	2.4	17
15	Direct Contact Membrane Distillation Applied to Colored Reactive or Disperse Dye Solutions. Chemical Engineering and Technology, 2019, 42, 1045-1052.	0.9	16
16	Dye synthetic solution treatment by direct contact membrane distillation using commercial membranes. Environmental Technology (United Kingdom), 2020, 41, 2253-2265.	1.2	16
17	Intensification of water reclamation from textile dyeing wastewater using thermal membrane technologies â€“ Performance comparison of vacuum membrane distillation and thermopervaporation. Chemical Engineering and Processing: Process Intensification, 2019, 146, 107695.	1.8	11
18	Biopolymer-based films and membranes as wound dressings. , 2020, , 165-194.		11

#	Article	IF	Citations
19	Development of polysaccharide-based membranes incorporating the bioactive compound aloin. International Journal of Polymeric Materials and Polymeric Biomaterials, 2017, 66, 193-202.	1.8	10
20	Influence of dye class on the comparison of direct contact and vacuum membrane distillation applied to remediation of dyeing wastewater. Journal of Environmental Science and Health - Part A Toxic/Hazardous Substances and Environmental Engineering, 2019, 54, 1337-1347.	0.9	9
21	Influence of the chemical composition and structure design of electrospun matrices on the release kinetics of Aloe vera extract rich in aloin. Polymer Degradation and Stability, 2020, 179, 109233.	2.7	9
22	Direct contact membrane distillation applied to wastewaters from different stages of the textile process. Chemical Engineering Communications, 2020, 207, 1062-1073.	1.5	8
23	Physicochemical properties and release behavior of indomethacin-loaded polysaccharide membranes. International Journal of Polymeric Materials and Polymeric Biomaterials, 2019, 68, 956-964.	1.8	6
24	Fundamentals of two-dimensional films and membranes. , 2020, , 35-66.		6
25	CELLULOSE NANOMATERIALS IN TEXTILE APPLICATIONS. Cellulose Chemistry and Technology, 2021, 55, 725-741.	0.5	6
26	Natamycin release from alginate active films to liquid and semi-solid media. Brazilian Journal of Chemical Engineering, 2022, 39, 455-462.	0.7	2