Mariana Agostini de Moraes

List of Publications by Year in Descending Order

38 papers	842 citations	18 h-index	28 g-index
42 ext. papers	1,021 ext. citations	4.6 avg, IF	4.29 L-index

#	Paper	IF	Citations
38	Effect of Chitosan and Aloe Vera Extract Concentrations on the Physicochemical Properties of Chitosan Biofilms. *Polymers*, **2021**, 13,	4.5	3
37	A review on orally disintegrating films (ODFs) made from natural polymers such as pullulan, maltodextrin, starch, and others. *International Journal of Biological Macromolecules*, **2021**, 178, 504-513	7.9	9
36	Safety and structural integrity of N95/PFF2 respirators decontamination. *American Journal of Infection Control*, **2021**, 49, 1221-1226	3.8	0
35	Silk fibroin/chitosan/alginate multilayer membranes as a system for controlled drug release in wound healing. *International Journal of Biological Macromolecules*, **2020**, 152, 803-811	7.9	18
34	Silk fibroin membranes with self-assembled globular structures for controlled drug release. *Journal of Applied Polymer Science*, **2020**, 137, 48763	2.9	3
33	Evaluation of diclofenac sodium incorporation in alginate membranes as potential drug release system. *Materialia*, **2020**, 12, 100827	3.2	2
32	Phase Diagram and Estimation of Flory-Huggins Parameter of Interaction of Silk Fibroin/Sodium Alginate Blends. *Frontiers in Bioengineering and Biotechnology*, **2020**, 8, 973	5.8	3
31	Freezing influence on physical properties of glucomannan hydrogels. *International Journal of Biological Macromolecules*, **2019**, 128, 401-405	7.9	13
30	Glucomannan asymmetric membranes for wound dressing. *Journal of Materials Research*, **2019**, 34, 481-489	2.5	10
29	Assessing the influence of silkworm cocoons age on the physicochemical properties of silk fibroin-based materials. *Journal of Materials Research*, **2019**, 34, 1944-1949	2.5	1
28	Characterization and in vitro evaluation of chitosan/konjac glucomannan bilayer film as a wound dressing. *Carbohydrate Polymers*, **2019**, 212, 59-66	10.3	38
27	Chitosan-based nanocomposites for drug delivery **2018**, 1-26		4
26	Study of phase separation in blends of silk fibroin and sodium alginate in solution and in solid state. *Journal of Polymer Research*, **2018**, 25, 1	2.7	3
25	Production and characterization of fibroin hydrogel using waste silk fibers. *Fibers and Polymers*, **2017**, 18, 57-63	2	16
24	Phase Behaviour and Miscibility Studies of Collagen/Silk Fibroin Macromolecular System in Dilute Solutions and Solid State. *Molecules*, **2017**, 22,	4.8	13
23	Removal of glyphosate herbicide from water using biopolymer membranes. *Journal of Environmental Management*, **2015**, 151, 353-60	7.9	70
22	Formation of silk fibroin hydrogel and evaluation of its drug release profile. *Journal of Applied Polymer Science*, **2015**, 132, n/a-n/a	2.9	16

21	Development of silk fibroin/nanohydroxyapatite composite hydrogels for bone tissue engineering. *European Polymer Journal*, **2015**, 67, 66-77	5.2	62
20	Factors controlling the deposition of silk fibroin nanofibrils during layer-by-layer assembly. *Biomacromolecules*, **2015**, 16, 97-104	6.9	14
19	Effects of sterilization methods on the physical, chemical, and biological properties of silk fibroin membranes. *Journal of Biomedical Materials Research - Part B Applied Biomaterials*, **2014**, 102, 869-76	3.5	30
18	The role of dialysis and freezing on structural conformation, thermal properties and morphology of silk fibroin hydrogels. *Biomatter*, **2014**, 4, e28536		20
17	Silk fibroin and sodium alginate blend: miscibility and physical characteristics. *Materials Science and Engineering C*, **2014**, 40, 85-91	8.3	29
16	Glycerin and ethanol as additives on silk fibroin films: Insoluble and malleable films. *Journal of Applied Polymer Science*, **2013**, 128, 115-122	2.9	17
15	Chitosan and alginate biopolymer membranes for remediation of contaminated water with herbicides. *Journal of Environmental Management*, **2013**, 131, 222-7	7.9	47
14	Treatment of chitin effluents by coagulation/flocculation with chitin and aluminum sulfate. *Journal of Environmental Chemical Engineering*, **2013**, 1, 50-55	6.8	20
13	Biocomposite membranes of sodium alginate and silk fibroin fibers for biomedical applications. *Journal of Applied Polymer Science*, **2013**, 130, 3451-3457	2.9	34
12	Mechanical and biological performances of new scaffolds made of collagen hydrogels and fibroin microfibers for vascular tissue engineering. *Macromolecular Bioscience*, **2012**, 12, 1253-64	5.5	23
11	Multilayer biopolymer membranes containing copper for antibacterial applications. *Journal of Applied Polymer Science*, **2012**, 126, E17-E24	2.9	16
10	Use of Biopolymeric Membranes for Adsorption of Paraquat Herbicide from Water. *Water, Air, and Soil Pollution*, **2012**, 223, 3093-3104	2.6	28
9	Collagen-Silk Fibroin Fibers: A Promising Scaffold for Vascular Tissue Engineering. *Materials Science Forum*, **2012**, 706-709, 572-577	0.4	
8	Hydrogels from silk fibroin metastable solution: Formation and characterization from a biomaterial perspective. *Materials Science and Engineering C*, **2011**, 31, 997-1001	8.3	34
7	Silk Fibroin: A Promising Biomaterial. *Advanced Materials Research*, **2011**, 409, 99-104	0.5	2
6	Preparation and Characterization of Insoluble Silk Fibroin/Chitosan Blend Films. *Polymers*, **2010**, 2, 719-727	4.5	73
5	Moisture sorption properties of chitosan. *LWT - Food Science and Technology*, **2010**, 43, 415-420	5.4	41
4	Characterization of thin layer drying of Spirulina platensis utilizing perpendicular air flow. *Bioresource Technology*, **2009**, 100, 1297-303	11	67

3	Moisture sorption characteristics of microalgae Spirulina platensis. *Brazilian Journal of Chemical Engineering*, **2009**, 26, 189-197	1.7	9
2	Moisture sorption isotherms and thermodynamic properties of apple Fuji and garlic. *International Journal of Food Science and Technology*, **2008**, 43, 1824-1831	3.8	21
1	PHYCOCYANIN CONTENT OF SPIRULINA PLATENSIS DRIED IN SPOUTED BED AND THIN LAYER. *Journal of Food Process Engineering*, **2008**, 31, 34-50	2.4	30