

# Mariana Agostini de Moraes

## List of Publications by Citations

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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	Preparation and Characterization of Insoluble Silk Fibroin/Chitosan Blend Films. <i>Polymers</i> , <b>2010</b> , 2, 719-727	4.5	73
37	Removal of glyphosate herbicide from water using biopolymer membranes. <i>Journal of Environmental Management</i> , <b>2015</b> , 151, 353-60	7.9	70
36	Characterization of thin layer drying of <i>Spirulina platensis</i> utilizing perpendicular air flow. <i>Bioresource Technology</i> , <b>2009</b> , 100, 1297-303	11	67
35	Development of silk fibroin/nanohydroxyapatite composite hydrogels for bone tissue engineering. <i>European Polymer Journal</i> , <b>2015</b> , 67, 66-77	5.2	62
34	Chitosan and alginate biopolymer membranes for remediation of contaminated water with herbicides. <i>Journal of Environmental Management</i> , <b>2013</b> , 131, 222-7	7.9	47
33	Moisture sorption properties of chitosan. <i>LWT - Food Science and Technology</i> , <b>2010</b> , 43, 415-420	5.4	41
32	Characterization and in vitro evaluation of chitosan/konjac glucomannan bilayer film as a wound dressing. <i>Carbohydrate Polymers</i> , <b>2019</b> , 212, 59-66	10.3	38
31	Biocomposite membranes of sodium alginate and silk fibroin fibers for biomedical applications. <i>Journal of Applied Polymer Science</i> , <b>2013</b> , 130, 3451-3457	2.9	34
30	Hydrogels from silk fibroin metastable solution: Formation and characterization from a biomaterial perspective. <i>Materials Science and Engineering C</i> , <b>2011</b> , 31, 997-1001	8.3	34
29	Effects of sterilization methods on the physical, chemical, and biological properties of silk fibroin membranes. <i>Journal of Biomedical Materials Research - Part B Applied Biomaterials</i> , <b>2014</b> , 102, 869-76	3.5	30
28	PHYCOCYANIN CONTENT OF SPIRULINA PLATENSIS DRIED IN SPOUTED BED AND THIN LAYER. <i>Journal of Food Process Engineering</i> , <b>2008</b> , 31, 34-50	2.4	30
27	Silk fibroin and sodium alginate blend: miscibility and physical characteristics. <i>Materials Science and Engineering C</i> , <b>2014</b> , 40, 85-91	8.3	29
26	Use of Biopolymeric Membranes for Adsorption of Paraquat Herbicide from Water. <i>Water, Air, and Soil Pollution</i> , <b>2012</b> , 223, 3093-3104	2.6	28
25	Mechanical and biological performances of new scaffolds made of collagen hydrogels and fibroin microfibers for vascular tissue engineering. <i>Macromolecular Bioscience</i> , <b>2012</b> , 12, 1253-64	5.5	23
24	Moisture sorption isotherms and thermodynamic properties of apple Fuji and garlic. <i>International Journal of Food Science and Technology</i> , <b>2008</b> , 43, 1824-1831	3.8	21
23	Treatment of chitin effluents by coagulation-flocculation with chitin and aluminum sulfate. <i>Journal of Environmental Chemical Engineering</i> , <b>2013</b> , 1, 50-55	6.8	20
22	The role of dialysis and freezing on structural conformation, thermal properties and morphology of silk fibroin hydrogels. <i>Biomatter</i> , <b>2014</b> , 4, e28536		20

21	Silk fibroin/chitosan/alginate multilayer membranes as a system for controlled drug release in wound healing. <i>International Journal of Biological Macromolecules</i> , <b>2020</b> , 152, 803-811	7.9	18
20	Glycerin and ethanol as additives on silk fibroin films: Insoluble and malleable films. <i>Journal of Applied Polymer Science</i> , <b>2013</b> , 128, 115-122	2.9	17
19	Production and characterization of fibroin hydrogel using waste silk fibers. <i>Fibers and Polymers</i> , <b>2017</b> , 18, 57-63	2	16
18	Formation of silk fibroin hydrogel and evaluation of its drug release profile. <i>Journal of Applied Polymer Science</i> , <b>2015</b> , 132, n/a-n/a	2.9	16
17	Multilayer biopolymer membranes containing copper for antibacterial applications. <i>Journal of Applied Polymer Science</i> , <b>2012</b> , 126, E17-E24	2.9	16
16	Factors controlling the deposition of silk fibroin nanofibrils during layer-by-layer assembly. <i>Biomacromolecules</i> , <b>2015</b> , 16, 97-104	6.9	14
15	Freezing influence on physical properties of glucomannan hydrogels. <i>International Journal of Biological Macromolecules</i> , <b>2019</b> , 128, 401-405	7.9	13
14	Phase Behaviour and Miscibility Studies of Collagen/Silk Fibroin Macromolecular System in Dilute Solutions and Solid State. <i>Molecules</i> , <b>2017</b> , 22,	4.8	13
13	Glucomannan asymmetric membranes for wound dressing. <i>Journal of Materials Research</i> , <b>2019</b> , 34, 481-489	4.9	10
12	Moisture sorption characteristics of microalgae <i>Spirulina platensis</i> . <i>Brazilian Journal of Chemical Engineering</i> , <b>2009</b> , 26, 189-197	1.7	9
11	A review on orally disintegrating films (ODFs) made from natural polymers such as pullulan, maltodextrin, starch, and others. <i>International Journal of Biological Macromolecules</i> , <b>2021</b> , 178, 504-513	7.9	9
10	Chitosan-based nanocomposites for drug delivery <b>2018</b> , 1-26		4
9	Study of phase separation in blends of silk fibroin and sodium alginate in solution and in solid state. <i>Journal of Polymer Research</i> , <b>2018</b> , 25, 1	2.7	3
8	Silk fibroin membranes with self-assembled globular structures for controlled drug release. <i>Journal of Applied Polymer Science</i> , <b>2020</b> , 137, 48763	2.9	3
7	Phase Diagram and Estimation of Flory-Huggins Parameter of Interaction of Silk Fibroin/Sodium Alginate Blends. <i>Frontiers in Bioengineering and Biotechnology</i> , <b>2020</b> , 8, 973	5.8	3
6	Effect of Chitosan and Aloe Vera Extract Concentrations on the Physicochemical Properties of Chitosan Biofilms. <i>Polymers</i> , <b>2021</b> , 13,	4.5	3
5	Silk Fibroin: A Promising Biomaterial. <i>Advanced Materials Research</i> , <b>2011</b> , 409, 99-104	0.5	2
4	Evaluation of diclofenac sodium incorporation in alginate membranes as potential drug release system. <i>Materialia</i> , <b>2020</b> , 12, 100827	3.2	2

3	Assessing the influence of silkworm cocoon age on the physicochemical properties of silk fibroin-based materials. <i>Journal of Materials Research</i> , <b>2019</b> , 34, 1944-1949	2.5	1
2	Safety and structural integrity of N95/PFF2 respirators decontamination. <i>American Journal of Infection Control</i> , <b>2021</b> , 49, 1221-1226	3.8	0
1	Collagen-Silk Fibroin Fibers: A Promising Scaffold for Vascular Tissue Engineering. <i>Materials Science Forum</i> , <b>2012</b> , 706-709, 572-577	0.4	