

# Simone S Silva

## List of Publications by Year in Descending Order

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The third column is the impact factor (IF) of the journal, and the fourth column is the number of citations of the article.

68

papers

3,766

citations

30

h-index

61

g-index

74

ext. papers

4,188

ext. citations

7.5

avg, IF

5.24

L-index

#	Paper	IF	Citations
68	Sulfated Seaweed Polysaccharides <b>2022</b> , 307-340		0
67	Chitin and Its Derivatives <b>2022</b> , 205-228		
66	Challenges and opportunities on vegetable oils derived systems for biomedical applications.. <i>Materials Science and Engineering C</i> , <b>2022</b> , 112720	8.3	4
65	Sulfated Seaweed Polysaccharides <b>2021</b> , 1-34		
64	Physicochemical features assessment of acemannan-based ternary blended films for biomedical purposes. <i>Carbohydrate Polymers</i> , <b>2021</b> , 257, 117601	10.3	0
63	Green Solvents Combined with Bioactive Compounds as Delivery Systems: Present Status and Future Trends.. <i>ACS Applied Bio Materials</i> , <b>2021</b> , 4, 4000-4013	4.1	8
62	Fucoidan Hydrogels Significantly Alleviate Oxidative Stress and Enhance the Endocrine Function of Encapsulated Beta Cells. <i>Advanced Functional Materials</i> , <b>2021</b> , 31, 2011205	15.6	3
61	Angiogenic potential of airbrushed fucoidan/polycaprolactone nanofibrous meshes. <i>International Journal of Biological Macromolecules</i> , <b>2021</b> , 183, 695-706	7.9	1
60	Fabrication of biocompatible porous SAIB/silk fibroin scaffolds using ionic liquids. <i>Materials Chemistry Frontiers</i> , <b>2021</b> , 5, 6582-6591	7.8	1
59	Fucoidan Hydrogels Significantly Alleviate Oxidative Stress and Enhance the Endocrine Function of Encapsulated Beta Cells (Adv. Funct. Mater. 35/2021). <i>Advanced Functional Materials</i> , <b>2021</b> , 31, 2170255	15.6	
58	Green Pathway for Processing Non-mulberry Antheraea pernyi Silk Fibroin/Chitin-Based Sponges: Biophysical and Biochemical Characterization. <i>Frontiers in Materials</i> , <b>2020</b> , 7,	4	4
57	Marine collagen-chitosan-fucoidan cryogels as cell-laden biocomposites envisaging tissue engineering. <i>Biomedical Materials (Bristol)</i> , <b>2020</b> , 15, 055030	3.5	12
56	Marine-Derived Polymers in Ionic Liquids: Architectures Development and Biomedical Applications. <i>Marine Drugs</i> , <b>2020</b> , 18,	6	10
55	Fundamentals on biopolymers and global demand <b>2020</b> , 3-34		2
54	Biopolymer membranes in tissue engineering <b>2020</b> , 141-163		0
53	Ionic Liquid-Mediated Processing of SAIB-Chitin Scaffolds. <i>ACS Sustainable Chemistry and Engineering</i> , <b>2020</b> , 8, 3986-3994	8.3	6
52	Toward Spinning Greener Advanced Silk Fibers by Feeding Silkworms with Nanomaterials. <i>ACS Sustainable Chemistry and Engineering</i> , <b>2020</b> , 8, 11872-11887	8.3	7

51	Biomedical exploitation of chitin and chitosan-based matrices via ionic liquid processing <b>2020</b> , 471-497		
50	Approach on chitosan/virgin coconut oil-based emulsion matrices as a platform to design superabsorbent materials. <i>Carbohydrate Polymers</i> , <b>2020</b> , 249, 116839	10.3	3
49	Exploring the Use of Choline Acetate on the Sustainable Development of Chitin-Based Sponges. <i>ACS Sustainable Chemistry and Engineering</i> , <b>2020</b> , 8, 13507-13516	8.3	7
48	Marine-origin Polysaccharides for Tissue Engineering and Regenerative Medicine <b>2020</b> , 2619-2650		1
47	Biocompatible ionic liquids: fundamental behaviours and applications. <i>Chemical Society Reviews</i> , <b>2019</b> , 48, 4317-4335	58.5	151
46	Photocrosslinked acemannan-based 3D matrices for in vitro cell culture. <i>Journal of Materials Chemistry B</i> , <b>2019</b> , 7, 4184-4190	7.3	2
45	An alternative approach to prepare alginate/acemannan 3D architectures. <i>SN Applied Sciences</i> , <b>2019</b> , 1, 1	1.8	2
44	Acemannan-based films: an improved approach envisioning biomedical applications. <i>Materials Research Express</i> , <b>2019</b> , 6, 095406	1.7	4
43	Chinese Oak Tasar Silkworm <i>Antheraea pernyi</i> Silk Proteins: Current Strategies and Future Perspectives for Biomedical Applications. <i>Macromolecular Bioscience</i> , <b>2019</b> , 19, e1800252	5.5	19
42	Dual delivery of hydrophilic and hydrophobic drugs from chitosan/diatomaceous earth composite membranes. <i>Journal of Materials Science: Materials in Medicine</i> , <b>2018</b> , 29, 21	4.5	5
41	Engineered tubular structures based on chitosan for tissue engineering applications. <i>Journal of Biomaterials Applications</i> , <b>2018</b> , 32, 841-852	2.9	6
40	Ionic liquids in the processing and chemical modification of chitin and chitosan for biomedical applications. <i>Green Chemistry</i> , <b>2017</b> , 19, 1208-1220	10	138
39	2.11 Polymers of Biological Origin ? <b>2017</b> , 228-252		14
38	Influence of freezing temperature and deacetylation degree on the performance of freeze-dried chitosan scaffolds towards cartilage tissue engineering. <i>European Polymer Journal</i> , <b>2017</b> , 95, 232-240	5.2	33
37	Fucoidan Hydrogels Photo-Cross-Linked with Visible Radiation As Matrices for Cell Culture. <i>ACS Biomaterials Science and Engineering</i> , <b>2016</b> , 2, 1151-1161	5.5	30
36	Fabrication and characterization of Eri silk fibers-based sponges for biomedical application. <i>Acta Biomaterialia</i> , <b>2016</b> , 32, 178-189	10.8	36
35	Bio-inspired Aloe vera sponges for biomedical applications. <i>Carbohydrate Polymers</i> , <b>2014</b> , 112, 264-70	10.3	30
34	Silk hydrogels from non-mulberry and mulberry silkworm cocoons processed with ionic liquids. <i>Acta Biomaterialia</i> , <b>2013</b> , 9, 8972-82	10.8	64

33	Effect of crosslinking in chitosan/aloë vera-based membranes for biomedical applications. <i>Carbohydrate Polymers</i> , <b>2013</b> , 98, 581-8	10.3	83
32	Design and functionalization of chitin-based microsphere scaffolds. <i>Green Chemistry</i> , <b>2013</b> , 15, 3252	10	35
31	Revealing the potential of squid chitosan-based structures for biomedical applications. <i>Biomedical Materials (Bristol)</i> , <b>2013</b> , 8, 045002	3.5	29
30	Hybrid biodegradable membranes of silane-treated chitosan/soy protein for biomedical applications. <i>Journal of Bioactive and Compatible Polymers</i> , <b>2013</b> , 28, 385-397	2	9
29	Natural Polymers in Tissue Engineering Applications <b>2013</b> , 385-425		15
28	In vivo performance of chitosan/soy-based membranes as wound-dressing devices for acute skin wounds. <i>Tissue Engineering - Part A</i> , <b>2013</b> , 19, 860-9	3.9	37
27	An investigation of the potential application of chitosan/aloë-based membranes for regenerative medicine. <i>Acta Biomaterialia</i> , <b>2013</b> , 9, 6790-7	10.8	98
26	Unleashing the potential of supercritical fluids for polymer processing in tissue engineering and regenerative medicine. <i>Journal of Supercritical Fluids</i> , <b>2013</b> , 79, 177-185	4.2	41
25	Alternative methodology for chitin/hydroxyapatite composites using ionic liquids and supercritical fluid technology. <i>Journal of Bioactive and Compatible Polymers</i> , <b>2013</b> , 28, 481-491	2	24
24	The use of ionic liquids in the processing of chitosan/silk hydrogels for biomedical applications. <i>Green Chemistry</i> , <b>2012</b> , 14, 1463	10	74
23	Soft Constructs for Skin Tissue Engineering <b>2012</b> , 537-557		2
22	Marine algae sulfated polysaccharides for tissue engineering and drug delivery approaches. <i>Biomatter</i> , <b>2012</b> , 2, 278-89		122
21	Ionic liquids as foaming agents of semi-crystalline natural-based polymers. <i>Green Chemistry</i> , <b>2012</b> , 14, 1949	10	17
20	Materials of marine origin: a review on polymers and ceramics of biomedical interest. <i>International Materials Reviews</i> , <b>2012</b> , 57, 276-306	16.1	146
19	Cell adhesion and proliferation onto chitosan-based membranes treated by plasma surface modification. <i>Journal of Biomaterials Applications</i> , <b>2011</b> , 26, 101-16	2.9	63
18	In vivo study of dendronlike nanoparticles for stem cells "tune-up": from nano to tissues. <i>Nanomedicine: Nanotechnology, Biology, and Medicine</i> , <b>2011</b> , 7, 914-24	6	30
17	Green processing of porous chitin structures for biomedical applications combining ionic liquids and supercritical fluid technology. <i>Acta Biomaterialia</i> , <b>2011</b> , 7, 1166-72	10.8	106
16	Chitosan improves the biological performance of soy-based biomaterials. <i>Tissue Engineering - Part A</i> , <b>2010</b> , 16, 2883-90	3.9	13

15	Potential applications of natural origin polymer-based systems in soft tissue regeneration. <i>Critical Reviews in Biotechnology</i> , <b>2010</b> , 30, 200-21	9.4	88
14	Macroporous hydroxyapatite scaffolds for bone tissue engineering applications: physicochemical characterization and assessment of rat bone marrow stromal cell viability. <i>Journal of Biomedical Materials Research - Part A</i> , <b>2009</b> , 91, 175-86	5.4	63
13	Novel genipin-cross-linked chitosan/silk fibroin sponges for cartilage engineering strategies. <i>Biomacromolecules</i> , <b>2008</b> , 9, 2764-74	6.9	205
12	Plasma surface modification of chitosan membranes: characterization and preliminary cell response studies. <i>Macromolecular Bioscience</i> , <b>2008</b> , 8, 568-76	5.5	117
11	Genipin-modified silk-fibroin nanometric nets. <i>Macromolecular Bioscience</i> , <b>2008</b> , 8, 766-74	5.5	59
10	Natural Polymers in tissue engineering applications <b>2008</b> , 145-192		21
9	Natural origin biodegradable systems in tissue engineering and regenerative medicine: present status and some moving trends. <i>Journal of the Royal Society Interface</i> , <b>2007</b> , 4, 999-1030	4.1	843
8	Morphology and miscibility of chitosan/soy protein blended membranes. <i>Carbohydrate Polymers</i> , <b>2007</b> , 70, 25-31	10.3	97
7	In vitro evaluation of the behaviour of human polymorphonuclear neutrophils in direct contact with chitosan-based membranes. <i>Journal of Biotechnology</i> , <b>2007</b> , 132, 218-26	3.7	39
6	Novel hydroxyapatite/chitosan bilayered scaffold for osteochondral tissue-engineering applications: Scaffold design and its performance when seeded with goat bone marrow stromal cells. <i>Biomaterials</i> , <b>2006</b> , 27, 6123-37	15.6	387
5	Innovative Technique for the Preparation of Porous Bilayer Hydroxyapatite/Chitosan Scaffolds for Osteochondral Applications. <i>Key Engineering Materials</i> , <b>2006</b> , 309-311, 927-930	0.4	8
4	Physicochemical Characterization of Novel Chitosan-Soy Protein/ TEOS Porous Hybrids for Tissue Engineering Applications. <i>Materials Science Forum</i> , <b>2006</b> , 514-516, 1000-1004	0.4	22
3	Functional nanostructured chitosan-siloxane hybrids. <i>Journal of Materials Chemistry</i> , <b>2005</b> , 15, 3952		110
2	Physical properties and biocompatibility of chitosan/soy blended membranes. <i>Journal of Materials Science: Materials in Medicine</i> , <b>2005</b> , 16, 575-9	4.5	99
1	Synthesis and characterization of polyurethane-g-chitosan. <i>European Polymer Journal</i> , <b>2003</b> , 39, 1515-1519	3.2	57