

Danilo M Dos Santos

List of Publications by Citations

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Version: 2024-04-27

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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.

40
papers

638
citations

15
h-index

24
g-index

44
ext. papers

889
ext. citations

6.3
avg, IF

4.54
L-index

#	Paper	IF	Citations
40	Optimization of carboxymethyl chitosan synthesis using response surface methodology and desirability function. <i>International Journal of Biological Macromolecules</i> , 2016 , 85, 615-24	7.9	116
39	Advances in Functional Polymer Nanofibers: From Spinning Fabrication Techniques to Recent Biomedical Applications. <i>ACS Applied Materials & Interfaces</i> , 2020 , 12, 45673-45701	9.5	65
38	Nanostructured electrospun nonwovens of poly(ϵ -caprolactone)/quaternized chitosan for potential biomedical applications. <i>Carbohydrate Polymers</i> , 2018 , 186, 110-121	10.3	40
37	Microwave-assisted carboxymethylation of cellulose extracted from brewer's spent grain. <i>Carbohydrate Polymers</i> , 2015 , 131, 125-33	10.3	35
36	Response surface methodology applied to the study of the microwave-assisted synthesis of quaternized chitosan. <i>Carbohydrate Polymers</i> , 2016 , 138, 317-26	10.3	33
35	PDLLA honeycomb-like scaffolds with a high loading of superhydrophilic graphene/multi-walled carbon nanotubes promote osteoblast in vitro functions and guided in vivo bone regeneration. <i>Materials Science and Engineering C</i> , 2017 , 73, 31-39	8.3	33
34	Core-sheath nanostructured chitosan-based nonwovens as a potential drug delivery system for periodontitis treatment. <i>International Journal of Biological Macromolecules</i> , 2020 , 142, 521-534	7.9	26
33	Electrospun recycled PET-based mats: Tuning the properties by addition of cellulose and/or lignin. <i>Polymer Testing</i> , 2017 , 60, 422-431	4.5	24
32	Investigation of the Internal Chemical Composition of Chitosan-Based LbL Films by Depth-Profiling X-ray Photoelectron Spectroscopy (XPS) Analysis. <i>Langmuir</i> , 2018 , 34, 1429-1440	4	23
31	Tailored chitosan/hyaluronan coatings for tumor cell adhesion: Effects of topography, charge density and surface composition. <i>Applied Surface Science</i> , 2019 , 486, 508-518	6.7	18
30	Chitosan microparticles embedded with multi-responsive poly(N-vinylcaprolactam-co-itaconic acid-co-ethylene-glycol dimethacrylate)-based hydrogel nanoparticles as a new carrier for delivery of hydrophobic drugs. <i>Colloids and Surfaces B: Biointerfaces</i> , 2019 , 175, 73-83	6	18
29	Sorghum straw: Pulping and bleaching process optimization and synthesis of cellulose acetate. <i>International Journal of Biological Macromolecules</i> , 2019 , 135, 877-886	7.9	17
28	Impedimetric electronic tongue based on molybdenum disulfide and graphene oxide for monitoring antibiotics in liquid media. <i>Talanta</i> , 2020 , 217, 121039	6.2	16
27	Characterization and physical-chemistry of methoxypoly(ethylene glycol)-g-chitosan. <i>International Journal of Biological Macromolecules</i> , 2019 , 124, 828-837	7.9	15
26	-(2-Hydroxy)-propyl-3-trimethylammonium, -Mysristoyl Chitosan Enhances the Solubility and Intestinal Permeability of Anticancer Curcumin. <i>Pharmaceutics</i> , 2018 , 10,	6.4	15
25	Evaluation of chitosan crystallinity: A high-resolution solid-state NMR spectroscopy approach. <i>Carbohydrate Polymers</i> , 2020 , 250, 116891	10.3	14
24	Biodegradation of anthracene and different PAHs by a yellow laccase from <i>Leucoagaricus gongylophorus</i> . <i>Environmental Science and Pollution Research</i> , 2019 , 26, 8675-8684	5.1	13

23	Tailoring the Surface Properties of Micro/Nanofibers Using 0D, 1D, 2D, and 3D Nanostructures: A Review on Post-Modification Methods. <i>Advanced Materials Interfaces</i> , 2021 , 8, 2100430	4.6	12
22	Design of A Low-Cost and Disposable Paper-Based Immunosensor for the Rapid and Sensitive Detection of Aflatoxin B1. <i>Chemosensors</i> , 2020 , 8, 87	4	11
21	A Green Protocol for Microwave-Assisted Extraction of Volatile Oil Terpenes from <i>Pterodon emarginatus</i> Vogel. (Fabaceae). <i>Molecules</i> , 2018 , 23,	4.8	10
20	Extensive N-methylation of chitosan: evaluating the effects of the reaction conditions by using response surface methodology. <i>Polymer International</i> , 2015 , 64, 1617-1626	3.3	9
19	Tuning the Electrical Properties of Electrospun Nanofibers with Hybrid Nanomaterials for Detecting Isoborneol in Water Using an Electronic Tongue. <i>Surfaces</i> , 2019 , 2, 432-443	2.9	8
18	Electrospun nanofibers versus drop casting films for designing an electronic tongue: comparison of performance for monitoring geosmin and 2-methylisoborneol in water samples. <i>Polymers for Advanced Technologies</i> , 2020 , 31, 2075-2082	3.2	7
17	Soybean hulls: Optimization of the pulping and bleaching processes and carboxymethyl cellulose synthesis. <i>International Journal of Biological Macromolecules</i> , 2020 , 144, 208-218	7.9	7
16	Clotrimazole-loaded N-(2-hydroxy)-propyl-3-trimethylammonium, O-palmitoyl chitosan nanoparticles for topical treatment of vulvovaginal candidiasis. <i>Acta Biomaterialia</i> , 2021 , 125, 312-321	10.8	7
15	Tracking Sulfonated Polystyrene Diffusion in a Chitosan/Carboxymethyl Cellulose Layer-by-Layer Film: Exploring the Internal Architecture of Nanocoatings. <i>Langmuir</i> , 2020 , 36, 4985-4994	4	6
14	Frontiers in Biomaterials 2017 ,		6
13	Bilayered electrospun membranes composed of poly(lactic-acid)/natural rubber: A strategy against curcumin photodegradation for wound dressing application. <i>Reactive and Functional Polymers</i> , 2021 , 163, 104889	4.6	5
12	Nanofibers interfaces for biosensing: Design and applications. <i>Sensors and Actuators Reports</i> , 2021 , 3, 100048	4.7	5
11	Nanochitin-based composite films as a disposable ethanol sensor. <i>Journal of Environmental Chemical Engineering</i> , 2020 , 8, 104163	6.8	4
10	Dye Adsorption Capacity of MoS ₂ Nanoflakes Immobilized on Poly(lactic acid) Fibrous Membranes. <i>ACS Applied Nano Materials</i> , 2021 , 4, 4881-4894	5.6	4
9	N-(2-hydroxy)-propyl-3-trimethylammonium, O-palmitoyl chitosan: Synthesis, physicochemical and biological properties. <i>International Journal of Biological Macromolecules</i> , 2021 , 178, 558-568	7.9	4
8	Tuning the properties of carboxymethylchitosan-based porous membranes for potential application as wound dressing. <i>International Journal of Biological Macromolecules</i> , 2021 , 166, 459-470	7.9	4
7	Biodegradable Polymer Nanofibers Applied in Slow Release Systems for Agri-Food Applications 2019 , 291-316		2
6	Fast-forward approach of time-domain NMR relaxometry for solid-state chemistry of chitosan. <i>Carbohydrate Polymers</i> , 2021 , 256, 117576	10.3	2

5	Microwave irradiation to the rapid extraction of (Barbatim \bar{b}) compounds by statistical planning. <i>Natural Product Research</i> , 2021 , 35, 354-358	2.3	2
4	Current progress in plant pathogen detection enabled by nanomaterials-based (bio)sensors. <i>Sensors and Actuators Reports</i> , 2022 , 4, 100068	4.7	1
3	Advances in 3D printed sensors for food analysis. <i>TrAC - Trends in Analytical Chemistry</i> , 2022 , 116672	14.6	1
2	Chemical Sensors Based on Nanofibers Produced by Electrospinning and Solution Blow Spinning 2021 ,		0
1	Insight into morphological, physicochemical and spectroscopic properties of E \bar{c} hitin nanocrystalline structures. <i>Carbohydrate Polymers</i> , 2021 , 273, 118563	10.3	0