Danilo M Dos Santos

List of Publications by Year
in descending order

44 papers	1,224 citations	361296 20 h-index	377752 34 g-index
44 all docs	44 docs citations	44 times ranked	1592 citing authors

#	Article	IF	Citations
1	Optimization of carboxymethyl chitosan synthesis using response surface methodology and desirability function. International Journal of Biological Macromolecules, 2016, 85, 615-624.	3.6	163
2	Advances in Functional Polymer Nanofibers: From Spinning Fabrication Techniques to Recent Biomedical Applications. ACS Applied Materials & Interfaces, 2020, 12, 45673-45701.	4.0	144
3	Microwave-assisted carboxymethylation of cellulose extracted from brewer's spent grain. Carbohydrate Polymers, 2015, 131, 125-133.	5.1	71
4	Nanostructured electrospun nonwovens of poly(Îµ-caprolactone)/quaternized chitosan for potential biomedical applications. Carbohydrate Polymers, 2018, 186, 110-121.	5.1	68
5	Core-sheath nanostructured chitosan-based nonwovens as a potential drug delivery system for periodontitis treatment. International Journal of Biological Macromolecules, 2020, 142, 521-534.	3.6	53
6	Sorghum straw: Pulping and bleaching process optimization and synthesis of cellulose acetate. International Journal of Biological Macromolecules, 2019, 135, 877-886.	3.6	47
7	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. Materials Science and Engineering C, 2017, 73, 31-39.	3.8	42
8	Tailoring the Surface Properties of Micro/Nanofibers Using 0D, 1D, 2D, and 3D Nanostructures: A Review on Postâ€Modification Methods. Advanced Materials Interfaces, 2021, 8, 2100430.	1.9	42
9	Response surface methodology applied to the study of the microwave-assisted synthesis of quaternized chitosan. Carbohydrate Polymers, 2016, 138, 317-326.	5.1	40
10	Investigation of the Internal Chemical Composition of Chitosan-Based LbL Films by Depth-Profiling X-ray Photoelectron Spectroscopy (XPS) Analysis. Langmuir, 2018, 34, 1429-1440.	1.6	35
11	Evaluation of chitosan crystallinity: A high-resolution solid-state NMR spectroscopy approach. Carbohydrate Polymers, 2020, 250, 116891.	5.1	35
12	Nanofibers interfaces for biosensing: Design and applications. Sensors and Actuators Reports, 2021, 3, 100048.	2.3	35
13	Design of A Low-Cost and Disposable Paper-Based Immunosensor for the Rapid and Sensitive Detection of Aflatoxin B1. Chemosensors, 2020, 8, 87.	1.8	31
14	Clotrimazole-loaded N-(2-hydroxy)-propyl-3-trimethylammonium, O-palmitoyl chitosan nanoparticles for topical treatment of vulvovaginal candidiasis. Acta Biomaterialia, 2021, 125, 312-321.	4.1	27
15	Electrospun recycled PET-based mats: Tuning the properties by addition of cellulose and/or lignin. Polymer Testing, 2017, 60, 422-431.	2.3	26
16	Soybean hulls: Optimization of the pulping and bleaching processes and carboxymethyl cellulose synthesis. International Journal of Biological Macromolecules, 2020, 144, 208-218.	3.6	25
17	Biodegradation of anthracene and different PAHs by a yellow laccase from Leucoagaricus gongylophorus. Environmental Science and Pollution Research, 2019, 26, 8675-8684.	2.7	23
18	Bilayered electrospun membranes composed of poly(lactic-acid)/natural rubber: A strategy against curcumin photodegradation for wound dressing application. Reactive and Functional Polymers, 2021, 163, 104889.	2.0	23

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19	Tailored chitosan/hyaluronan coatings for tumor cell adhesion: Effects of topography, charge density and surface composition. Applied Surface Science, 2019, 486, 508-518.	3.1	22
20	Chitosan microparticles embedded with multi-responsive poly(N-vinylcaprolactam-co-itaconic) Tj ETQq0 0 0 rgBT /Overlock 10 Tf 50 707 hydrophobic drugs. Colloids and Surfaces B: Biointerfaces, 2019, 175, 73-83.	2.5	22
21	Impedimetric electronic tongue based on molybdenum disulfide and graphene oxide for monitoring antibiotics in liquid media. Talanta, 2020, 217, 121039.	2.9	21
22	Characterization and physical-chemistry of methoxypoly(ethylene glycol)-g-chitosan. International Journal of Biological Macromolecules, 2019, 124, 828-837.	3.6	20
23	N-(2-Hydroxy)-propyl-3-trimethylammonium, O-Mysristoyl Chitosan Enhances the Solubility and Intestinal Permeability of Anticancer Curcumin. Pharmaceutics, 2018, 10, 245.	2.0	19
24	Combining Coaxial Electrospinning and 3D Printing: Design of Biodegradable Bilayered Membranes with Dual Drug Delivery Capability for Periodontitis Treatment. ACS Applied Bio Materials, 2022, 5, 146-159.	2.3	19
25	Current progress in plant pathogen detection enabled by nanomaterials-based (bio)sensors. Sensors and Actuators Reports, 2022, 4, 100068.	2.3	18
26	Tuning the properties of carboxymethylchitosan-based porous membranes for potential application as wound dressing. International Journal of Biological Macromolecules, 2021, 166, 459-470.	3.6	16
27	Advances in 3D printed sensors for food analysis. TrAC - Trends in Analytical Chemistry, 2022, 154, 116672.	5.8	15
28	A Green Protocol for Microwave-Assisted Extraction of Volatile Oil Terpenes from Pterodon emarginatus Vogel. (Fabaceae). Molecules, 2018, 23, 651.	1.7	14
29	Nanochitin-based composite films as a disposable ethanol sensor. Journal of Environmental Chemical Engineering, 2020, 8, 104163.	3.3	13
30	Dye Adsorption Capacity of MoS₂ Nanoflakes Immobilized on Poly(lactic acid) Fibrous Membranes. ACS Applied Nano Materials, 2021, 4, 4881-4894.	2.4	12
31	N-(2-hydroxy)-propyl-3-trimethylammonium, O-palmitoyl chitosan: Synthesis, physicochemical and biological properties. International Journal of Biological Macromolecules, 2021, 178, 558-568.	3.6	12
32	Extensive N -methylation of chitosan: evaluating the effects of the reaction conditions by using response surface methodology. Polymer International, 2015, 64, 1617-1626.	1.6	11
33	Tuning the Electrical Properties of Electrospun Nanofibers with Hybrid Nanomaterials for Detecting Isoborneol in Water Using an Electronic Tongue. Surfaces, 2019, 2, 432-443.	1.0	10
34	Tracking Sulfonated Polystyrene Diffusion in a Chitosan/Carboxymethyl Cellulose Layer-by-Layer Film: Exploring the Internal Architecture of Nanocoatings. Langmuir, 2020, 36, 4985-4994.	1.6	10
35	Electrospun nanofibers versus drop casting films for designing an electronic tongue: comparison of performance for monitoring geosmin and 2â€methylisoborneol in water samples. Polymers for Advanced Technologies, 2020, 31, 2075-2082.	1.6	8
36	Frontiers in Biomaterials. , 2017, , .		8

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37	Insight into morphological, physicochemical and spectroscopic properties of Î²-chitin nanocrystalline structures. Carbohydrate Polymers, 2021, 273, 118563.	5.1	5
38	Microwave irradiation to the rapid extraction of Stryphnodendron adstringens (BarbatimÃ£o) compounds by statistical planning. Natural Product Research, 2021, 35, 354-358.	1.0	4
39	Fast-forward approach of time-domain NMR relaxometry for solid-state chemistry of chitosan. Carbohydrate Polymers, 2021, 256, 117576.	5.1	4
40	Electrochemical Immunosensor Made with Zeinâ€based Nanofibers for Onâ€site Detection of Aflatoxin B1. Electroanalysis, 2023, 35, .	1.5	4
41	Biodegradable Polymer Nanofibers Applied in Slow Release Systems for Agri-Food Applications. , 2019, , 291-316.		3
42	Sensing Materials: Nanofibers Produced by Electrospinning and Solution Blow Spinning. , 2023, , 521-541.		2
43	TiO₂ Hollow Nanofiber/Polyaniline Nanocomposites for Ammonia Detection at Room Temperature. ChemNanoMat, 2022, 8, .	1.5	2
44	PROCESSAMENTO E APLICAÃ‡ÃƒO DE BIOMATERIAIS POLIMÃ‰RICOS: AVANÃ‡OS RECENTES E PERSPECTIVAS. Quimica Nova, 0, , .	0.3	0