Susana C M Fernandes

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.

61	3,045	32	55
papers	citations	h-index	g-index
65	3,500	6	5.23
ext. papers	ext. citations	avg, IF	L-index

#	Paper	IF	Citations
61	Halochromic and antioxidant capacity of smart films of chitosan/chitin nanocrystals with curcuma oil and anthocyanins. *Food Hydrocolloids*, **2022**, 123, 107119	10.6	11
60	Green in the deep blue: deep eutectic solvents as versatile systems for the processing of marine biomass. *Green Chemistry Letters and Reviews*, **2022**, 15, 382-403	4.7	1
59	Microwave-Assisted Extraction of L. Oil: Optimization, Chemical Structure and Composition, Antioxidant Activity and Comparison with Conventional Soxhlet Extraction. *Molecules*, **2021**, 26,	4.8	3
58	Polysaccharides and Glycoproteins **2021**, 43-63		
57	Effect of Deterpenated L. Essential Oil on the Physicochemical and Biological Properties of Chitosan/Chitin Nanofibers Nanocomposite Films. *Polymers*, **2021**, 13,	4.5	3
56	Eco-friendly isolation and characterization of nanochitin from different origins by microwave irradiation: Optimization using response surface methodology. *International Journal of Biological Macromolecules*, **2021**, 186, 218-226	7.9	3
55	Marine-Derived Polymeric Materials and Biomimetics: An Overview. *Polymers*, **2020**, 12,	4.5	24
54	Gas Barrier, Rheological and Mechanical Properties of Immiscible Natural Rubber/Acrylonitrile Butadiene Rubber/Organoclay (NR/NBR/Organoclay) Blend Nanocomposites. *Materials*, **2020**, 13,	3.5	5
53	Using chitin nanocrystals to improve the final properties of poly (vinyl alcohol) films with Origanum vulgare essential oil. *Polymer Degradation and Stability*, **2020**, 179, 109227	4.7	12
52	Adipose-Derived Mesenchymal Stem Cell Chondrospheroids Cultured in Hypoxia and a 3D Porous Chitosan/Chitin Nanocrystal Scaffold as a Platform for Cartilage Tissue Engineering. *International Journal of Molecular Sciences*, **2020**, 21,	6.3	25
51	Chitosan-based materials as templates for essential oils **2020**, 689-720		0
50	Untargeted Analysis for Mycosporines and Mycosporine-Like Amino Acids by Hydrophilic Interaction Liquid Chromatography (HILIC)-Electrospray Orbitrap MS/MS. *Antioxidants*, **2020**, 9,	7.1	4
49	Extraction of Nanochitin from Marine Resources and Fabrication of Polymer Nanocomposites: Recent Advances. *Polymers*, **2020**, 12,	4.5	17
48	Microwave assisted synthesis of poly (N-vinylimidazole) grafted chitosan as an effective adsorbent for mercury (II) removal from aqueous solution: Equilibrium, kinetic, thermodynamics and regeneration studies. *Journal of Dispersion Science and Technology*, **2020**, 41, 828-840	1.5	6
47	Functional Chitosan Derivative and Chitin as Decolorization Materials for Methylene Blue and Methyl Orange from Aqueous Solution. *Materials*, **2019**, 12,	3.5	20
46	Influence of chitin nanocrystals on the dielectric behaviour and conductivity of chitosan-based bionanocomposites. *Composites Science and Technology*, **2018**, 167, 323-330	8.6	14
45	Chitin Nanoforms Provide Mechanical and Topological Cues to Support Growth of Human Adipose Stem Cells in Chitosan Matrices. *Biomacromolecules*, **2018**, 19, 3000-3012	6.9	17

44	Advances in Nanostructured Cellulose-based Biomaterials. *SpringerBriefs in Applied Sciences and Technology*, **2017**,	0.4	14
43	Advances in Nanostructured Cellulose-based Biomaterials. *SpringerBriefs in Applied Sciences and Technology*, **2017**, 1-32	0.4	4
42	The Antifungal Activity of Functionalized Chitin Nanocrystals in Poly (Lactid Acid) Films. *Materials*, **2017**, 10,	3.5	29
41	Surface Modification of Biopolymer-Based Nanoforms and Their Biological Applications **2016**, 209-226		
40	Adsorption of copper on chitin-based materials: Kinetic and thermodynamic studies. *Journal of the Taiwan Institute of Chemical Engineers*, **2016**, 65, 140-148	5.3	66
39	Self-bonded composite films based on cellulose nanofibers and chitin nanocrystals as antifungal materials. *Carbohydrate Polymers*, **2016**, 144, 41-9	10.3	65
38	Functionalized blown films of plasticized polylactic acid/chitin nanocomposite: Preparation and characterization. *Materials and Design*, **2016**, 92, 846-852	8.1	69
37	Chapter 1 Bio-Based New Materials for Packaging Applications **2016**, 1-18		
36	Exploiting Mycosporines as Natural Molecular Sunscreens for the Fabrication of UV-Absorbing Green Materials. *ACS Applied Materials & Interfaces*, **2015**, 7, 16558-64	9.5	51
35	Different routes to turn chitin into stunning nano-objects. *European Polymer Journal*, **2015**, 68, 503-515	5.2	93
34	Preparing valuable renewable nanocomposite films based exclusively on oceanic biomass Chitin nanofillers and chitosan. *Reactive and Functional Polymers*, **2015**, 89, 31-39	4.6	59
33	Pineapple agroindustrial residues for the production of high value bacterial cellulose with different morphologies. *Journal of Applied Polymer Science*, **2015**, 132,	2.9	42
32	Processing of chitin nanofibers by dynamic high pressure homogenization: characterization and antifungal activity against A. niger. *Carbohydrate Polymers*, **2015**, 116, 286-91	10.3	109
31	Photoresponsive Multilayer Films of Chitosan and an Azopolymer. *Journal of Renewable Materials*, **2015**, 3, 49-55	2.4	2
30	Role of chitin nanocrystals and nanofibers on physical, mechanical and functional properties in thermoplastic starch films. *Food Hydrocolloids*, **2015**, 46, 93-102	10.6	102
29	Antimicrobial pullulan derivative prepared by grafting with 3-aminopropyltrimethoxysilane: Characterization and ability to form transparent films. *Food Hydrocolloids*, **2014**, 35, 247-252	10.6	45
28	Chitin nanocrystals and nanofibers as nano-sized fillers into thermoplastic starch-based biocomposites processed by melt-mixing. *Chemical Engineering Journal*, **2014**, 256, 356-364	14.7	113
27	Optically active multilayer films based on chitosan and an azopolymer. *Biomacromolecules*, **2014**, 15, 1399-407	6.9	18

26	A common strategy to extracting cellulose nanoentities from different plants. *Industrial Crops and Products*, **2014**, 55, 140-148	5.9	101
25	Shape-memory bionanocomposites based on chitin nanocrystals and thermoplastic polyurethane with a highly crystalline soft segment. *Biomacromolecules*, **2013**, 14, 4475-82	6.9	71
24	Multifunctional hybrid nanopapers based on bacterial cellulose and sol–gel synthesized titanium/vanadium oxide nanoparticles. *Cellulose*, **2013**, 20, 1301-1311	5.5	36
23	Antifungal activity of transparent nanocomposite thin films of pullulan and silver against Aspergillus niger. *Colloids and Surfaces B: Biointerfaces*, **2013**, 103, 143-8	6	86
22	Novel cellulose-based composites based on nanofibrillated plant and bacterial cellulose: recent advances at the University of Aveiro – a review. *Holzforschung*, **2013**, 67, 603-612	2	27
21	Bioinspired antimicrobial and biocompatible bacterial cellulose membranes obtained by surface functionalization with aminoalkyl groups. *ACS Applied Materials & Interfaces*, **2013**, 5, 3290-7	9.5	175
20	The role of nanocellulose fibers, starch and chitosan on multipolysaccharide based films. *Cellulose*, **2013**, 20, 1807-1818	5.5	54
19	Functionalized chitosan-based coatings for active corrosion protection. *Surface and Coatings Technology*, **2013**, 226, 51-59	4.4	46
18	Chitosan as a Smart Coating for Controlled Release of Corrosion Inhibitor 2-Mercaptobenzothiazole. *ECS Electrochemistry Letters*, **2013**, 2, C19-C22		51
17	Biocompatible bacterial cellulose-poly(2-hydroxyethyl methacrylate) nanocomposite films. *BioMed Research International*, **2013**, 2013, 698141	3	32
16	Self-standing chitosan films as dielectrics in organic thin-film transistors. *EXPRESS Polymer Letters*, **2013**, 7, 960-965	3.4	20
15	Chitosan-based self-healing protective coatings doped with cerium nitrate for corrosion protection of aluminum alloy 2024. *Progress in Organic Coatings*, **2012**, 75, 8-13	4.8	105
14	Conductive photoswitchable vanadium oxide nanopaper based on bacterial cellulose. *ChemSusChem*, **2012**, 5, 2323-7	8.3	32
13	Pullulan–nanofibrillated cellulose composite films with improved thermal and mechanical properties. *Composites Science and Technology*, **2012**, 72, 1556-1561	8.6	97
12	Sustainable nanocomposite films based on bacterial cellulose and pullulan. *Cellulose*, **2012**, 19, 729-737	5.5	87
11	Electrostatic assembly of Ag nanoparticles onto nanofibrillated cellulose for antibacterial paper products. *Cellulose*, **2012**, 19, 1425-1436	5.5	150
10	Antibacterial activity of optically transparent nanocomposite films based on chitosan or its derivatives and silver nanoparticles. *Carbohydrate Research*, **2012**, 348, 77-83	2.9	123
9	Self-healing protective coatings with "green" chitosan based pre-layer reservoir of corrosion inhibitor. *Journal of Materials Chemistry*, **2011**, 21, 4805		119

8	Novel materials based on chitosan and cellulose. *Polymer International*, **2011**, 60, 875-882	3.3	69
7	Production of Coated Papers with Improved Properties by Using a Water-Soluble Chitosan Derivative. *Industrial & Engineering Chemistry Research*, **2010**, 49, 6432-6438	3.9	33
6	Transparent chitosan films reinforced with a high content of nanofibrillated cellulose. *Carbohydrate Polymers*, **2010**, 81, 394-401	10.3	185
5	A study of the distribution of chitosan onto and within a paper sheet using a fluorescent chitosan derivative. *Carbohydrate Polymers*, **2009**, 78, 760-766	10.3	23
4	Novel transparent nanocomposite films based on chitosan and bacterial cellulose. *Green Chemistry*, **2009**, 11, 2023	10	184
3	The bulk oxypropylation of chitin and chitosan and the characterization of the ensuing polyols. *Green Chemistry*, **2008**, 10, 93-97	10	35
2	What is the real value of chitosan's surface energy?. *Biomacromolecules*, **2008**, 9, 610-4	6.9	56
1	Progresses and future prospects in biodegradation of marine biopolymers and emerging biopolymer-based materials for sustainable marine ecosystems. *Green Chemistry*,	10	1