Joana Costa Antunes

List of Publications by Year
in descending order

48 papers	900 citations	643344 15 h-index	591227 27 g-index
49 all docs	49 docs citations	49 times ranked	1256 citing authors

#	Article	IF	Citations
1	Magneto-mechanical destruction of cancer-associated fibroblasts using ultra-small iron oxide nanoparticles and low frequency rotating magnetic fields. Nanoscale Advances, 2022, 4, 421-436.	2.2	27
2	Inhibition of Escherichia Virus MS2, Surrogate of SARS-CoV-2, via Essential Oils-Loaded Electrospun Fibrous Mats: Increasing the Multifunctionality of Antivirus Protection Masks. Pharmaceutics, 2022, 14, 303.	2.0	13
3	Recent Trends in Protective Textiles against Biological Threats: A Focus on Biological Warfare Agents. Polymers, 2022, 14, 1599.	2.0	13
4	A Review on Flexible Electrochemical Biosensors to Monitor Alcohol in Sweat. Biosensors, 2022, 12, 252.	2.3	8
5	Tiger 17 and pexiganan as antimicrobial and hemostatic boosters of cellulose acetate-containing poly(vinyl alcohol) electrospun mats for potential wound care purposes. International Journal of Biological Macromolecules, 2022, 209, 1526-1541.	3.6	14
6	Antibacterial and hemostatic capacities of cellulose nanocrystalline-reinforced poly(vinyl alcohol) electrospun mats doped with Tiger 17 and pexiganan peptides for prospective wound healing applications. , 2022, 137, 212830.		10
7	Extraction of Cellulose-Based Polymers from Textile Wastes. Polymers, 2022, 14, 2063.	2.0	0
8	Biodegradable wet-spun fibers modified with antimicrobial agents for potential applications in biomedical engineering. Journal of Physics: Conference Series, 2021, 1765, 012007.	0.3	4
9	Eugenol-Containing Essential Oils Loaded onto Chitosan/Polyvinyl Alcohol Blended Films and Their Ability to Eradicate Staphylococcus aureus or Pseudomonas aeruginosa from Infected Microenvironments. Pharmaceutics, 2021, 13, 195.	2.0	37
10	Functionalization of Crosslinked Sodium Alginate/Gelatin Wet-Spun Porous Fibers with Nisin Z for the Inhibition of Staphylococcus aureus-Induced Infections. International Journal of Molecular Sciences, 2021, 22, 1930.	1.8	14
11	P-selectin targeting polysaccharide-based nanogels for miRNA delivery. International Journal of Pharmaceutics, 2021, 597, 120302.	2.6	11
12	Recent Advances in Fiberâ€"Hydrogel Composites for Wound Healing and Drug Delivery Systems. Antibiotics, 2021, 10, 248.	1.5	33
13	Bioactivity of Chitosan-Based Particles Loaded with Plant-Derived Extracts for Biomedical Applications: Emphasis on Antimicrobial Fiber-Based Systems. Marine Drugs, 2021, 19, 359.	2.2	23
14	Drug Targeting of Inflammatory Bowel Diseases by Biomolecules. Nanomaterials, 2021, 11, 2035.	1.9	14
15	Activity of Wet-Spun Fibers Chemically Modified with Active Biomolecules against Gram-Positive and Gram-Negative Bacteria. Materials Proceedings, 2021, 4, 85.	0.2	0
16	Physical, Thermal, and Antibacterial Effects of Active Essential Oils with Potential for Biomedical Applications Loaded onto Cellulose Acetate/Polycaprolactone Wet-Spun Microfibers. Biomolecules, 2020, 10, 1129.	1.8	24
17	USPIOâ€"PEG nanoparticles functionalized with a highly specific collagen-binding peptide: a step towards MRI diagnosis of fibrosis. Journal of Materials Chemistry B, 2020, 8, 5515-5528.	2.9	11
18	Activity of Specialized Biomolecules against Gram-Positive and Gram-Negative Bacteria. Antibiotics, 2020, 9, 314.	1.5	77

#	Article	IF	Citations
19	Synthesis of cationic quaternized pullulan derivatives for miRNA delivery. International Journal of Pharmaceutics, 2020, 577, 119041.	2.6	24
20	Biofunctionalization of Natural Fiber-Reinforced Biocomposites for Biomedical Applications. Biomolecules, 2020, 10, 148.	1.8	91
21	Green Optimization of Glutaraldehyde Vapor-Based Crosslinking on Poly(Vinyl Alcohol)/Cellulose Acetate Electrospun Mats for Applications as Chronic Wound Dressings. Proceedings (mdpi), 2020, 69, .	0.2	6
22	Controlled Release of Cinnamon Leaf Oil from Chitosan Microcapsules Embedded within a Sodium Alginate/Gelatin Hydrogel-Like Film for Pseudomonas aeruginosa Elimination. , 2020, 69, .		1
23	Combinatory Action of Chitosan-Based Blended Films and Loaded Cajeput Oil against Staphylococcus aureus and Pseudomonas aeruginosa-Mediated Infections. , 2020, 69, .		0
24	Modification of Ca2+-Crosslinked Sodium Alginate/Gelatin Films with Propolis for an Improved Antimicrobial Action. , 2020, 69, .		1
25	Core-Shell Polymer-Based Nanoparticles Deliver miR-155-5p to Endothelial Cells. Molecular Therapy - Nucleic Acids, 2019, 17, 210-222.	2.3	16
26	Fundamentals of protein and cell interactions in biomaterials. , 2018, , 1-27.		23
27	Poly(Î³-glutamic acid) and poly(Î³-glutamic acid)-based nanocomplexes enhance type II collagen production in intervertebral disc. Journal of Materials Science: Materials in Medicine, 2017, 28, 6.	1.7	20
28	Chitosan/Poly(Î³-glutamic acid) Polyelectrolyte Complexes: From Self- Assembly to Application in Biomolecules Delivery and Regenerative Medicine. Research & Reviews Journal of Material Sciences, 2016, 04, .	0.1	6
29	An interferon-Î³-delivery system based on chitosan/poly(Î³-glutamic acid) polyelectrolyte complexes modulates macrophage-derived stimulation of cancer cell invasion in vitro. Acta Biomaterialia, 2015, 23, 157-171.	4.1	45
30	Poly(Î³-Glutamic Acid) as an Exogenous Promoter of Chondrogenic Differentiation of Human Mesenchymal Stem/Stromal Cells. Tissue Engineering - Part A, 2015, 21, 1869-1885.	1.6	11
31	Protein Adsorption Characterization. Methods in Molecular Biology, 2012, 811, 141-161.	0.4	16
32	Biosynthesis of highly pure poly-Î³-glutamic acid for biomedical applications. Journal of Materials Science: Materials in Medicine, 2012, 23, 1583-1591.	1.7	32
33	Mesenchymal stem cell recruitment by stromal derived factor-1-delivery systems based on chitosan/poly(Î³-glutamic acid) polyelectrolyte complexes. , 2012, 23, 249-261.		46
34	Layer-by-Layer Self-Assembly of Chitosan and Poly(Î³-glutamic acid) into Polyelectrolyte Complexes. Biomacromolecules, 2011, 12, 4183-4195.	2.6	107
35	Three-Dimensional Scaffolds as a Model System for Neural and Endothelial â€˜In Vitroâ€™ Culture. Journal of Biomaterials Applications, 2011, 26, 293-310.	1.2	6
36	Novel poly(<scp>L</scp>â€lactic acid)/hyaluronic acid macroporous hybrid scaffolds: Characterization and assessment of cytotoxicity. Journal of Biomedical Materials Research - Part A, 2010, 94A, 856-869.	2.1	35

#	Article	IF	Citations
37	TERMIS EU 2008 Porto Meeting June 22â€“26, 2008 Porto Congress Centerâ€“AlfÃ¢ndega Portugal. Tissue Engineering - Part A, 2008, 14, 691-943.	1.6	6
38	Chitosan-Based Blended Films for Wound Dressing Applications. , 0, , .		0
39	Antibacterial Activity of Specialized Biomolecules. , 0, , .		0
40	Flexible, biodegradable LL37-anchored poly(vinyl alcohol)/cellulose acetate films for enhanced infection control. , 0, , .		0
41	Bactericidal action of cinnamon, clove and cajeput oils loaded onto CA/PCL wet-spun fibers for a localized, controlled biomolecule delivery. , 0, , .		0
42	Propolis loaded sodium alginate/gelatin films cross-linked with Ca²⁺ for potential wound dressing and healing applications. , 0, , .		0
43	Chitosan-based blended films loaded with cajeput oil as enhancers of antibacterial action against Staphylococcus aureus and Pseudomonas aeruginosa. , 0, , .		0
44	Antibacterial activity of marine-derived chitosan and plant-derived cajeput oil as loaded blended films in Staphylococcus aureus and Pseudomonas aeruginosa-enriched settings. , 0, , .		0
45	Irradication of Pseudomans aeruginosa via sodium alginate/gelatin films impregnated with chitosan microcapsules loaded with cinnamon leaf oil. , 0, , .		0
46	Biodegradable wet-spun fibers as delivery platforms for the bactericidal effect of the natural-origin biomolecules, cinnamon, clove and cajeput essential oils. , 0, , .		0
47	Optimization of the crosslinking process with glutaraldehyde vapor in PVA based electrospun membranes to wound dressings applications. , 0, , .		0
48	Bactericidal effect of cinnamon leaf oil loaded onto chitosan microcapsules-modified biodegradable hydrogel-like films: an alternative for treating Pseudomonas aeruginosa infections. , 0, , .		0