Helena P Felgueiras

List of Publications by Year in Descending Order

54 papers	830 citations	17 h-index	27 g-index
61 ext. papers	1,088 ext. citations	4.6 avg, IF	5.1 L-index

#	Paper	IF	Citations
54	Inhibition of Virus MS2, Surrogate of SARS-CoV-2, via Essential Oils-Loaded Electrospun Fibrous Mats: Increasing the Multifunctionality of Antivirus Protection Masks.. *Pharmaceutics*, **2022**, 14,	6.4	4
53	Tunable Spun Fiber Constructs in Biomedicine: Influence of Processing Parameters in the FibersT Architecture.. *Pharmaceutics*, **2022**, 14,	6.4	4
52	Stabilization of Silver Nanoparticles on Polyester Fabric Using Organo-Matrices for Controlled Antimicrobial Performance.. *Polymers*, **2022**, 14,	4.5	3
51	Development of an Ultraviolet-C Irradiation Room in a Public Portuguese Hospital for Safe Re-Utilization of Personal Protective Respirators.. *International Journal of Environmental Research and Public Health*, **2022**, 19,	4.6	1
50	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**, 212830		0
49	Activity of Wet-Spun Fibers Chemically Modified with Active Biomolecules against Gram-Positive and Gram-Negative Bacteria. *Materials Proceedings*, **2021**, 4, 85	0.3	
48	Green Optimization of Glutaraldehyde Vapor-Based Crosslinking on Poly(Vinyl Alcohol)/Cellulose Acetate Electrospun Mats for Applications as Chronic Wound Dressings. *Proceedings (mdpi)*, **2021**, 69, 30	0.3	3
47	Synthesis of Peptaibolin, an Antimicrobial Peptide. *Proceedings (mdpi)*, **2021**, 78, 47	0.3	1
46	Recent Advances in Fiber-Hydrogel Composites for Wound Healing and Drug Delivery Systems. *Antibiotics*, **2021**, 10,	4.9	14
45	Bioactivity of Chitosan-Based Particles Loaded with Plant-Derived Extracts for Biomedical Applications: Emphasis on Antimicrobial Fiber-Based Systems. *Marine Drugs*, **2021**, 19,	6	7
44	An Insight into Biomolecules for the Treatment of Skin Infectious Diseases. *Pharmaceutics*, **2021**, 13,	6.4	3
43	Eugenol-Containing Essential Oils Loaded onto Chitosan/Polyvinyl Alcohol Blended Films and Their Ability to Eradicate or from Infected Microenvironments. *Pharmaceutics*, **2021**, 13,	6.4	14
42	Functionalization of Crosslinked Sodium Alginate/Gelatin Wet-Spun Porous Fibers with Nisin Z for the Inhibition of -Induced Infections. *International Journal of Molecular Sciences*, **2021**, 22,	6.3	3
41	Neuro-ophthalmologic manifestations of multiple sclerosis other than acute optic neuritis. *Multiple Sclerosis and Related Disorders*, **2021**, 48, 102730	4	0
40	Drug Targeting of Inflammatory Bowel Diseases by Biomolecules. *Nanomaterials*, **2021**, 11,	5.4	4
39	Dog Wool Microparticles/Polyurethane Composite for Thermal Insulation. *Polymers*, **2020**, 12,	4.5	2
38	Porous composites based on cellulose acetate and alfa-hematite with optical and antimicrobial properties. *Carbohydrate Polymers*, **2020**, 241, 116362	10.3	8

37	Activity of Specialized Biomolecules against Gram-Positive and Gram-Negative Bacteria. *Antibiotics*, **2020**, 9,	4.9	22
36	Electrospun Nanocomposites Containing Cellulose and Its Derivatives Modified with Specialized Biomolecules for an Enhanced Wound Healing. *Nanomaterials*, **2020**, 10,	5.4	56
35	Biofunctionalization of Natural Fiber-Reinforced Biocomposites for Biomedical Applications. *Biomolecules*, **2020**, 10,	5.9	43
34	Spun Biotextiles in Tissue Engineering and Biomolecules Delivery Systems. *Antibiotics*, **2020**, 9,	4.9	13
33	Modification of Ca2+-Crosslinked Sodium Alginate/Gelatin Films with Propolis for an Improved Antimicrobial Action **2020**, 69,		1
32	Potentialities of LL37 for Wound Healing Applications: Study of Its Activity in Synergy with Biodegradable Composites Made of PVA and CA. *IFMBE Proceedings*, **2020**, 1223-1226	0.2	
31	Cellulose Acetate in Wound Dressings Formulations: Potentialities and Electrospinning Capability. *IFMBE Proceedings*, **2020**, 1227-1230	0.2	
30	Antimicrobial action and clotting time of thin, hydrated poly(vinyl alcohol)/cellulose acetate films functionalized with LL37 for prospective wound-healing applications. *Journal of Applied Polymer Science*, **2020**, 137, 48626	2.9	16
29	New method to produce poly(vinyl alcohol)/cellulose acetate films with improved antibacterial action. *Materials Today: Proceedings*, **2020**, 31, S269-S272	1.4	7
28	Carbon based membranes with modified properties: thermal, morphological, mechanical and antimicrobial. *Cellulose*, **2020**, 27, 1497-1516	5.5	11
27	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,	5.9	10
26	Effect of Dispersion Solvent on the Deposition of PVP-Silver Nanoparticles onto DBD PlasmaTreated Polyamide 6,6 Fabric and Its Antimicrobial Efficiency. *Nanomaterials*, **2020**, 10,	5.4	9
25	Smart and Sustainable Materials for Military Applications Based on Natural Fibres and Silver Nanoparticles. *Key Engineering Materials*, **2019**, 812, 66-74	0.4	7
24	Production of polymerBioactive glass nanocomposites for bone repair and substitution **2019**, 373-396		2
23	Multifunctional Chitosan/Gold Nanoparticles Coatings for Biomedical Textiles. *Nanomaterials*, **2019**, 9,	5.4	31
22	Poly(Vinyl Alcohol)-Based Nanofibrous Electrospun Scaffolds for Tissue Engineering Applications. *Polymers*, **2019**, 12,	4.5	65
21	PVA/CA based electrospun nanofibers: Influence of processing parameters in the fiber diameter. *IOP Conference Series: Materials Science and Engineering*, **2019**, 634, 012040	0.4	2
20	Biodegradable, spun nanocomposite polymeric fibrous dressings loaded with bioactive biomolecules for an effective wound healing: A review. *IOP Conference Series: Materials Science and Engineering*, **2019**, 634, 012033	0.4	9

19	Fundamentals of protein and cell interactions in biomaterials **2018**, 1-27		11
18	Dyed Poly(styrene-methyl Methacrylate-acrylic Acid) Photonic Nanocrystals for Enhanced Structural Color. *ACS Applied Materials & Interfaces*, **2018**, 10, 23285-23294	9.5	23
17	CecropinMelittin Functionalized Polyurethane Surfaces Prevent Staphylococcus epidermidis Adhesion without Inducing Platelet Adhesion and Activation. *Advanced Materials Interfaces*, **2018**, 5, 1801390	4.6	12
16	Octadecyl Chains Immobilized onto Hyaluronic Acid Coatings by Thiol-ene "Click Chemistry" Increase the Surface Antimicrobial Properties and Prevent Platelet Adhesion and Activation to Polyurethane. *ACS Applied Materials & Interfaces*, **2017**, 9, 7979-7989	9.5	37
15	Functionalization of electrospun polymeric wound dressings with antimicrobial peptides. *Colloids and Surfaces B: Biointerfaces*, **2017**, 156, 133-148	6	92
14	Synergistically enhanced stability of laccase immobilized on synthesized silver nanoparticles with water-soluble polymers. *Colloids and Surfaces B: Biointerfaces*, **2017**, 154, 210-220	6	18
13	Bone tissue response induced by bioactive polymer functionalized Ti6Al4V surfaces: In vitro and in vivo study. *Journal of Colloid and Interface Science*, **2017**, 491, 44-54	9.3	22
12	Electrospun polymeric dressings functionalized with antimicrobial peptides and collagen type I for enhanced wound healing. *IOP Conference Series: Materials Science and Engineering*, **2017**, 254, 062004	0.4	10
11	Antibacterial Electrospun Poly(vinyl alcohol)/Enzymatic Synthesized Poly(catechol) Nanofibrous Midlayer Membrane for Ultrafiltration. *ACS Applied Materials & Interfaces*, **2017**, 9, 33107-33118	9.5	36
10	Cell Spreading and Morphology Variations as a Result of Protein Adsorption and Bioactive Coating on Ti6Al4V Surfaces. *Irbm*, **2016**, 37, 165-171	4.8	7
9	Competitive Adsorption of Plasma Proteins Using a Quartz Crystal Microbalance. *ACS Applied Materials & Interfaces*, **2016**, 8, 13207-17	9.5	26
8	Contributions of adhesive proteins to the cellular and bacterial response to surfaces treated with bioactive polymers: case of poly(sodium styrene sulfonate) grafted titanium surfaces. *Journal of Materials Science: Materials in Medicine*, **2015**, 26, 261	4.5	18
7	Contribution of fibronectin and vitronectin to the adhesion and morphology of MC3T3-E1 osteoblastic cells to poly(NaSS) grafted Ti6Al4V. *Acta Biomaterialia*, **2015**, 28, 225-233	10.8	43
6	Biotribocorrosion (tribo-electrochemical) characterization of anodized titanium biomaterial containing calcium and phosphorus before and after osteoblastic cell culture. *Journal of Biomedical Materials Research - Part B Applied Biomaterials*, **2015**, 103, 661-9	3.5	18
5	Poly(NaSS) functionalization modulates the conformation of fibronectin and collagen type I to enhance osteoblastic cell attachment onto Ti6Al4V. *Langmuir*, **2014**, 30, 9477-83	4	30
4	Sulfonate groups grafted on Ti6Al4V favor MC3T3-E1 cell performance in serum free medium conditions. *Materials Science and Engineering C*, **2014**, 39, 196-202	8.3	26
3	Competitive Adsorption of Albumin, Fibronectin and Collagen Type I on Different Biomaterial Surfaces: A QCM-D Study. *IFMBE Proceedings*, **2014**, 1597-1600	0.2	3
2	Presence of sulfonate groups on Ti6Al4V surfaces enhances osteoblastic attachment strength at the interface. *Irbm*, **2013**, 34, 371-375	4.8	8

1	The osteogenic differentiation improvement of human mesenchymal stem cells on titanium grafted with polyNaSS bioactive polymer. *Journal of Biomedical Materials Research - Part A*, **2013**, 101, 582-9	5.4	15