

# Helena P Felgueiras

## List of Publications by Citations

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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	Functionalization of electrospun polymeric wound dressings with antimicrobial peptides. <i>Colloids and Surfaces B: Biointerfaces</i> , <b>2017</b> , 156, 133-148	6	92
53	Poly(Vinyl Alcohol)-Based Nanofibrous Electrospun Scaffolds for Tissue Engineering Applications. <i>Polymers</i> , <b>2019</b> , 12,	4.5	65
52	Electrospun Nanocomposites Containing Cellulose and Its Derivatives Modified with Specialized Biomolecules for an Enhanced Wound Healing. <i>Nanomaterials</i> , <b>2020</b> , 10,	5.4	56
51	Contribution of fibronectin and vitronectin to the adhesion and morphology of MC3T3-E1 osteoblastic cells to poly(NaSS) grafted Ti6Al4V. <i>Acta Biomaterialia</i> , <b>2015</b> , 28, 225-233	10.8	43
50	Biofunctionalization of Natural Fiber-Reinforced Biocomposites for Biomedical Applications. <i>Biomolecules</i> , <b>2020</b> , 10,	5.9	43
49	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. <i>ACS Applied Materials &amp; Interfaces</i> , <b>2017</b> , 9, 7979-7989	9.5	37
48	Antibacterial Electrospun Poly(vinyl alcohol)/Enzymatic Synthesized Poly(catechol) Nanofibrous Midlayer Membrane for Ultrafiltration. <i>ACS Applied Materials &amp; Interfaces</i> , <b>2017</b> , 9, 33107-33118	9.5	36
47	Multifunctional Chitosan/Gold Nanoparticles Coatings for Biomedical Textiles. <i>Nanomaterials</i> , <b>2019</b> , 9,	5.4	31
46	Poly(NaSS) functionalization modulates the conformation of fibronectin and collagen type I to enhance osteoblastic cell attachment onto Ti6Al4V. <i>Langmuir</i> , <b>2014</b> , 30, 9477-83	4	30
45	Sulfonate groups grafted on Ti6Al4V favor MC3T3-E1 cell performance in serum free medium conditions. <i>Materials Science and Engineering C</i> , <b>2014</b> , 39, 196-202	8.3	26
44	Competitive Adsorption of Plasma Proteins Using a Quartz Crystal Microbalance. <i>ACS Applied Materials &amp; Interfaces</i> , <b>2016</b> , 8, 13207-17	9.5	26
43	Dyed Poly(styrene-methyl Methacrylate-acrylic Acid) Photonic Nanocrystals for Enhanced Structural Color. <i>ACS Applied Materials &amp; Interfaces</i> , <b>2018</b> , 10, 23285-23294	9.5	23
42	Bone tissue response induced by bioactive polymer functionalized Ti6Al4V surfaces: In vitro and in vivo study. <i>Journal of Colloid and Interface Science</i> , <b>2017</b> , 491, 44-54	9.3	22
41	Activity of Specialized Biomolecules against Gram-Positive and Gram-Negative Bacteria. <i>Antibiotics</i> , <b>2020</b> , 9,	4.9	22
40	Synergistically enhanced stability of laccase immobilized on synthesized silver nanoparticles with water-soluble polymers. <i>Colloids and Surfaces B: Biointerfaces</i> , <b>2017</b> , 154, 210-220	6	18
39	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. <i>Journal of Materials Science: Materials in Medicine</i> , <b>2015</b> , 26, 261	4.5	18
38	Biotribocorrosion (tribo-electrochemical) characterization of anodized titanium biomaterial containing calcium and phosphorus before and after osteoblastic cell culture. <i>Journal of Biomedical Materials Research - Part B Applied Biomaterials</i> , <b>2015</b> , 103, 661-9	3.5	18

37	Antimicrobial action and clotting time of thin, hydrated poly(vinyl alcohol)/cellulose acetate films functionalized with LL37 for prospective wound-healing applications. <i>Journal of Applied Polymer Science</i> , <b>2020</b> , 137, 48626	2.9	16
36	The osteogenic differentiation improvement of human mesenchymal stem cells on titanium grafted with polyNaSS bioactive polymer. <i>Journal of Biomedical Materials Research - Part A</i> , <b>2013</b> , 101, 582-9	5.4	15
35	Recent Advances in Fiber-Hydrogel Composites for Wound Healing and Drug Delivery Systems. <i>Antibiotics</i> , <b>2021</b> , 10,	4.9	14
34	Eugenol-Containing Essential Oils Loaded onto Chitosan/Polyvinyl Alcohol Blended Films and Their Ability to Eradicate or from Infected Microenvironments. <i>Pharmaceutics</i> , <b>2021</b> , 13,	6.4	14
33	Spun Biotextiles in Tissue Engineering and Biomolecules Delivery Systems. <i>Antibiotics</i> , <b>2020</b> , 9,	4.9	13
32	Cecropin/Melittin Functionalized Polyurethane Surfaces Prevent Staphylococcus epidermidis Adhesion without Inducing Platelet Adhesion and Activation. <i>Advanced Materials Interfaces</i> , <b>2018</b> , 5, 1801390	4.6	12
31	Fundamentals of protein and cell interactions in biomaterials <b>2018</b> , 1-27		11
30	Carbon based membranes with modified properties: thermal, morphological, mechanical and antimicrobial. <i>Cellulose</i> , <b>2020</b> , 27, 1497-1516	5.5	11
29	Electrospun polymeric dressings functionalized with antimicrobial peptides and collagen type I for enhanced wound healing. <i>IOP Conference Series: Materials Science and Engineering</i> , <b>2017</b> , 254, 062004	0.4	10
28	Physical, Thermal, and Antibacterial Effects of Active Essential Oils with Potential for Biomedical Applications Loaded onto Cellulose Acetate/Polycaprolactone Wet-Spun Microfibers. <i>Biomolecules</i> , <b>2020</b> , 10,	5.9	10
27	Biodegradable, spun nanocomposite polymeric fibrous dressings loaded with bioactive biomolecules for an effective wound healing: A review. <i>IOP Conference Series: Materials Science and Engineering</i> , <b>2019</b> , 634, 012033	0.4	9
26	Effect of Dispersion Solvent on the Deposition of PVP-Silver Nanoparticles onto DBD PlasmaTreated Polyamide 6,6 Fabric and Its Antimicrobial Efficiency. <i>Nanomaterials</i> , <b>2020</b> , 10,	5.4	9
25	Porous composites based on cellulose acetate and alfa-hematite with optical and antimicrobial properties. <i>Carbohydrate Polymers</i> , <b>2020</b> , 241, 116362	10.3	8
24	Presence of sulfonate groups on Ti6Al4V surfaces enhances osteoblastic attachment strength at the interface. <i>Irbm</i> , <b>2013</b> , 34, 371-375	4.8	8
23	Smart and Sustainable Materials for Military Applications Based on Natural Fibres and Silver Nanoparticles. <i>Key Engineering Materials</i> , <b>2019</b> , 812, 66-74	0.4	7
22	Cell Spreading and Morphology Variations as a Result of Protein Adsorption and Bioactive Coating on Ti6Al4V Surfaces. <i>Irbm</i> , <b>2016</b> , 37, 165-171	4.8	7
21	New method to produce poly(vinyl alcohol)/cellulose acetate films with improved antibacterial action. <i>Materials Today: Proceedings</i> , <b>2020</b> , 31, S269-S272	1.4	7
20	Bioactivity of Chitosan-Based Particles Loaded with Plant-Derived Extracts for Biomedical Applications: Emphasis on Antimicrobial Fiber-Based Systems. <i>Marine Drugs</i> , <b>2021</b> , 19,	6	7

19	Inhibition of Virus MS2, Surrogate of SARS-CoV-2, via Essential Oils-Loaded Electrospun Fibrous Mats: Increasing the Multifunctionality of Antivirus Protection Masks.. <i>Pharmaceutics</i> , <b>2022</b> , 14,	6.4	4
18	Tunable Spun Fiber Constructs in Biomedicine: Influence of Processing Parameters in the FibersT Architecture.. <i>Pharmaceutics</i> , <b>2022</b> , 14,	6.4	4
17	Drug Targeting of Inflammatory Bowel Diseases by Biomolecules. <i>Nanomaterials</i> , <b>2021</b> , 11,	5.4	4
16	Green Optimization of Glutaraldehyde Vapor-Based Crosslinking on Poly(Vinyl Alcohol)/Cellulose Acetate Electrospun Mats for Applications as Chronic Wound Dressings. <i>Proceedings (mdpi)</i> , <b>2021</b> , 69, 30	0.3	3
15	Competitive Adsorption of Albumin, Fibronectin and Collagen Type I on Different Biomaterial Surfaces: A QCM-D Study. <i>IFMBE Proceedings</i> , <b>2014</b> , 1597-1600	0.2	3
14	An Insight into Biomolecules for the Treatment of Skin Infectious Diseases. <i>Pharmaceutics</i> , <b>2021</b> , 13,	6.4	3
13	Functionalization of Crosslinked Sodium Alginate/Gelatin Wet-Spun Porous Fibers with Nisin Z for the Inhibition of -Induced Infections. <i>International Journal of Molecular Sciences</i> , <b>2021</b> , 22,	6.3	3
12	Stabilization of Silver Nanoparticles on Polyester Fabric Using Organo-Matrices for Controlled Antimicrobial Performance.. <i>Polymers</i> , <b>2022</b> , 14,	4.5	3
11	Production of polymerBioactive glass nanocomposites for bone repair and substitution <b>2019</b> , 373-396		2
10	Dog Wool Microparticles/Polyurethane Composite for Thermal Insulation. <i>Polymers</i> , <b>2020</b> , 12,	4.5	2
9	PVA/CA based electrospun nanofibers: Influence of processing parameters in the fiber diameter. <i>IOP Conference Series: Materials Science and Engineering</i> , <b>2019</b> , 634, 012040	0.4	2
8	Modification of Ca <sup>2+</sup> -Crosslinked Sodium Alginate/Gelatin Films with Propolis for an Improved Antimicrobial Action <b>2020</b> , 69,		1
7	Synthesis of Peptaibolin, an Antimicrobial Peptide. <i>Proceedings (mdpi)</i> , <b>2021</b> , 78, 47	0.3	1
6	Development of an Ultraviolet-C Irradiation Room in a Public Portuguese Hospital for Safe Re-Utilization of Personal Protective Respirators.. <i>International Journal of Environmental Research and Public Health</i> , <b>2022</b> , 19,	4.6	1
5	Neuro-ophthalmologic manifestations of multiple sclerosis other than acute optic neuritis. <i>Multiple Sclerosis and Related Disorders</i> , <b>2021</b> , 48, 102730	4	0
4	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 <b>2022</b> , 212830		0
3	Activity of Wet-Spun Fibers Chemically Modified with Active Biomolecules against Gram-Positive and Gram-Negative Bacteria. <i>Materials Proceedings</i> , <b>2021</b> , 4, 85	0.3	
2	Potentialities of LL37 for Wound Healing Applications: Study of Its Activity in Synergy with Biodegradable Composites Made of PVA and CA. <i>IFMBE Proceedings</i> , <b>2020</b> , 1223-1226	0.2	

- 1 Cellulose Acetate in Wound Dressings Formulations: Potentialities and Electrospinning Capability. *IFMBE Proceedings*, **2020**, 1227-1230 0.2