

# Miguel Gama

## List of Publications by Citations

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151  
papers

5,489  
citations

43  
h-index

67  
g-index

157  
ext. papers

6,257  
ext. citations

5.5  
avg, IF

5.89  
L-index

#	Paper	IF	Citations
151	Nanocellulose as a natural source for groundbreaking applications in materials science: Today's state. <i>Materials Today</i> , <b>2018</b> , 21, 720-748	21.8	419
150	Wound healing activity of the human antimicrobial peptide LL37. <i>Peptides</i> , <b>2011</b> , 32, 1469-76	3.8	153
149	Bacterial cellulose nanocrystals produced under different hydrolysis conditions: Properties and morphological features. <i>Carbohydrate Polymers</i> , <b>2017</b> , 155, 425-431	10.3	151
148	In vitro assessment of the enzymatic degradation of several starch based biomaterials. <i>Biomacromolecules</i> , <b>2003</b> , 4, 1703-12	6.9	144
147	Surface modification of bacterial cellulose by nitrogen-containing plasma for improved interaction with cells. <i>Carbohydrate Polymers</i> , <b>2010</b> , 82, 692-698	10.3	129
146	Improving bacterial cellulose for blood vessel replacement: Functionalization with a chimeric protein containing a cellulose-binding module and an adhesion peptide. <i>Acta Biomaterialia</i> , <b>2010</b> , 6, 4034-41	10.8	120
145	Self-Assembled Hydrogel Nanoparticles for Drug Delivery Applications. <i>Materials</i> , <b>2010</b> , 3, 1420-1460	3.5	117
144	Biocompatibility of poly(lactic acid) with incorporated graphene-based materials. <i>Colloids and Surfaces B: Biointerfaces</i> , <b>2013</b> , 104, 229-38	6	112
143	BC nanofibres: in vitro study of genotoxicity and cell proliferation. <i>Toxicology Letters</i> , <b>2009</b> , 189, 235-41	4.4	104
142	Effect of poling state and morphology of piezoelectric poly(vinylidene fluoride) membranes for skeletal muscle tissue engineering. <i>RSC Advances</i> , <b>2013</b> , 3, 17938	3.7	103
141	Proving the suitability of magnetoelectric stimuli for tissue engineering applications. <i>Colloids and Surfaces B: Biointerfaces</i> , <b>2016</b> , 140, 430-436	6	99
140	Bacterial cellulose production by <i>Gluconacetobacter xylinus</i> by employing alternative culture media. <i>Applied Microbiology and Biotechnology</i> , <b>2015</b> , 99, 1181-90	5.7	93
139	Bacterial cellulose: long-term biocompatibility studies. <i>Journal of Biomaterials Science, Polymer Edition</i> , <b>2012</b> , 23, 1339-54	3.5	90
138	Studies on the hemocompatibility of bacterial cellulose. <i>Journal of Biomedical Materials Research - Part A</i> , <b>2011</b> , 98, 554-66	5.4	89
137	Recombinant CBM-fusion technology - Applications overview. <i>Biotechnology Advances</i> , <b>2015</b> , 33, 358-69	17.8	88
136	Enhanced proliferation of pre-osteoblastic cells by dynamic piezoelectric stimulation. <i>RSC Advances</i> , <b>2012</b> , 2, 11504	3.7	82
135	Selective enzyme-mediated extraction of capsaicinoids and carotenoids from chili guajillo puya ( <i>Capsicum annum</i> L.) using ethanol as solvent. <i>Journal of Agricultural and Food Chemistry</i> , <b>2000</b> , 48, 3063-7	5.7	82

134	Polymeric nanogels as vaccine delivery systems. <i>Nanomedicine: Nanotechnology, Biology, and Medicine</i> , <b>2013</b> , 9, 159-73	6	78
133	Celluclast and Cellic <sup>®</sup> CTec2: Saccharification/fermentation of wheat straw, solid-liquid partition and potential of enzyme recycling by alkaline washing. <i>Enzyme and Microbial Technology</i> , <b>2015</b> , 79-80, 70-7	3.8	77
132	Poly(vinylidene fluoride) and copolymers as porous membranes for tissue engineering applications. <i>Polymer Testing</i> , <b>2015</b> , 44, 234-241	4.5	76
131	Production and characterization of a new dextrin based hydrogel. <i>European Polymer Journal</i> , <b>2007</b> , 43, 3050-3059	5.2	70
130	Development of a hybrid dextrin hydrogel encapsulating dextrin nanogel as protein delivery system. <i>Biomacromolecules</i> , <b>2012</b> , 13, 517-27	6.9	69
129	NMR structural elucidation of the arabinan from <i>Prunus dulcis</i> immunobiological active pectic polysaccharides. <i>Carbohydrate Polymers</i> , <b>2006</b> , 66, 27-33	10.3	68
128	Quantification of the CBD-FITC conjugates surface coating on cellulose fibres. <i>BMC Biotechnology</i> , <b>2008</b> , 8, 1	3.5	67
127	Hemocompatibility study of a bacterial cellulose/polyvinyl alcohol nanocomposite. <i>Colloids and Surfaces B: Biointerfaces</i> , <b>2013</b> , 111, 493-502	6	66
126	Improving the affinity of fibroblasts for bacterial cellulose using carbohydrate-binding modules fused to RGD. <i>Journal of Biomedical Materials Research - Part A</i> , <b>2010</b> , 92, 9-17	5.4	66
125	Protection against systemic candidiasis in mice immunized with secreted aspartic proteinase 2. <i>Immunology</i> , <b>2004</b> , 111, 334-42	7.8	62
124	Delivery of LLKKK18 loaded into self-assembling hyaluronic acid nanogel for tuberculosis treatment. <i>Journal of Controlled Release</i> , <b>2016</b> , 235, 112-124	11.7	61
123	Enzymatic versus chemical deinking of non-impact ink printed paper. <i>Journal of Biotechnology</i> , <b>2004</b> , 108, 79-89	3.7	60
122	Molecular aspects of bacterial nanocellulose biosynthesis. <i>Microbial Biotechnology</i> , <b>2019</b> , 12, 633-649	6.3	59
121	Self-assembled nanoparticles of dextrin substituted with hexadecanethiol. <i>Biomacromolecules</i> , <b>2007</b> , 8, 392-8	6.9	57
120	Bacterial cellulose modified using recombinant proteins to improve neuronal and mesenchymal cell adhesion. <i>Biotechnology Progress</i> , <b>2012</b> , 28, 526-32	2.8	54
119	Studies on the biocompatibility of bacterial cellulose. <i>Journal of Bioactive and Compatible Polymers</i> , <b>2013</b> , 28, 97-112	2	52
118	Cellulase recycling in biorefineries--is it possible?. <i>Applied Microbiology and Biotechnology</i> , <b>2015</b> , 99, 4131-43	5.43	51
117	Purification, structure and immunobiological activity of an arabinan-rich pectic polysaccharide from the cell walls of <i>Prunus dulcis</i> seeds. <i>Carbohydrate Research</i> , <b>2004</b> , 339, 2555-66	2.9	51

116	Improved burn wound healing by the antimicrobial peptide LLKKK18 released from conjugates with dextrin embedded in a carbopol gel. <i>Acta Biomaterialia</i> , <b>2015</b> , 26, 249-62	10.8	50
115	Recycling of cellulases in lignocellulosic hydrolysates using alkaline elution. <i>Bioresource Technology</i> , <b>2012</b> , 110, 526-33	11	50
114	Studies on the properties of Celluclast/Eudragit L-100 conjugate. <i>Journal of Biotechnology</i> , <b>2002</b> , 99, 121-31	3.7	50
113	Antimicrobial peptides as novel anti-tuberculosis therapeutics. <i>Biotechnology Advances</i> , <b>2016</b> , 34, 924-940	17.8	49
112	Enzymatic depolymerisation of cellulose. <i>Carbohydrate Polymers</i> , <b>2007</b> , 68, 101-108	10.3	48
111	Nanocellulose Bio-Based Composites for Food Packaging. <i>Nanomaterials</i> , <b>2020</b> , 10,	5.4	46
110	Dextrin nanoparticles: studies on the interaction with murine macrophages and blood clearance. <i>Colloids and Surfaces B: Biointerfaces</i> , <b>2010</b> , 75, 483-9	6	45
109	Enzymatic upgrade of old paperboard containers. <i>Enzyme and Microbial Technology</i> , <b>2001</b> , 29, 274-279	3.8	45
108	Surface roughness dependent osteoblast and fibroblast response on poly(L-lactide) films and electrospun membranes. <i>Journal of Biomedical Materials Research - Part A</i> , <b>2015</b> , 103, 2260-8	5.4	43
107	Neuronal cells' behavior on polypyrrole coated bacterial nanocellulose three-dimensional (3D) scaffolds. <i>Journal of Biomaterials Science, Polymer Edition</i> , <b>2013</b> , 24, 1368-77	3.5	43
106	Biocompatibility of a self-assembled glycol chitosan nanogel. <i>Toxicology in Vitro</i> , <b>2015</b> , 29, 638-46	3.6	41
105	Development of novel bacterial cellulose composites for the textile and shoe industry. <i>Microbial Biotechnology</i> , <b>2019</b> , 12, 650-661	6.3	40
104	Production and Characterization of a New Bacterial Cellulose/Poly(Vinyl Alcohol) Nanocomposite. <i>Materials</i> , <b>2013</b> , 6, 1956-1966	3.5	37
103	A novel crosslinked hyaluronic acid nanogel for drug delivery. <i>Macromolecular Bioscience</i> , <b>2014</b> , 14, 1556-68	5.8	36
102	Cellulase stability, adsorption/desorption profiles and recycling during successive cycles of hydrolysis and fermentation of wheat straw. <i>Bioresource Technology</i> , <b>2014</b> , 156, 163-9	11	34
101	Escherichia coli expression and purification of LL37 fused to a family III carbohydrate-binding module from Clostridium thermocellum. <i>Protein Expression and Purification</i> , <b>2010</b> , 71, 1-7	2	34
100	Atomic force microscopy study of cellulose surface interaction controlled by cellulose binding domains. <i>Colloids and Surfaces B: Biointerfaces</i> , <b>2004</b> , 35, 125-35	6	34
99	Valorizing recycled paper sludge by a bioethanol production process with cellulase recycling. <i>Bioresource Technology</i> , <b>2016</b> , 216, 637-44	11	33

98	Characterisation and application of glycanases secreted by <i>Aspergillus terreus</i> CCMI 498 and <i>Trichoderma viride</i> CCMI 84 for enzymatic deinking of mixed office wastepaper. <i>Journal of Biotechnology</i> , <b>2003</b> , 100, 209-19	3.7	33
97	Response surface statistical optimization of bacterial nanocellulose fermentation in static culture using a low-cost medium. <i>New Biotechnology</i> , <b>2019</b> , 49, 19-27	6.4	33
96	Recombinant expression and purification of the antimicrobial peptide magainin-2. <i>Biotechnology Progress</i> , <b>2013</b> , 29, 17-22	2.8	32
95	Acetylated bacterial cellulose coated with urinary bladder matrix as a substrate for retinal pigment epithelium. <i>Colloids and Surfaces B: Biointerfaces</i> , <b>2016</b> , 139, 1-9	6	31
94	Friction and wear behaviour of bacterial cellulose against articular cartilage. <i>Wear</i> , <b>2011</b> , 271, 2328-2333	3.5	30
93	Studies on the cellulose-binding domains adsorption to cellulose. <i>Langmuir</i> , <b>2004</b> , 20, 1409-13	4	30
92	A Novel Small-Caliber Bacterial Cellulose Vascular Prosthesis: Production, Characterization, and Preliminary In Vivo Testing. <i>Macromolecular Bioscience</i> , <b>2016</b> , 16, 139-50	5.5	30
91	<i>Escherichia coli</i> expression and purification of four antimicrobial peptides fused to a family 3 carbohydrate-binding module (CBM) from <i>Clostridium thermocellum</i> . <i>Protein Expression and Purification</i> , <b>2008</b> , 59, 161-8	2	29
90	Characterization of the self-assembly process of hydrophobically modified dextrin. <i>European Polymer Journal</i> , <b>2008</b> , 44, 3529-3534	5.2	29
89	The enhancement of the cellulolytic activity of cellobiohydrolase I and endoglucanase by the addition of cellulose binding domains derived from <i>Trichoderma reesei</i> . <i>Enzyme and Microbial Technology</i> , <b>2003</b> , 32, 35-40	3.8	29
88	A Review on the toxicology and dietetic role of bacterial cellulose. <i>Toxicology Reports</i> , <b>2017</b> , 4, 543-553	4.8	28
87	Glycol chitosan-based nanogel as a potential targetable carrier for siRNA. <i>Macromolecular Bioscience</i> , <b>2013</b> , 13, 1369-78	5.5	28
86	Characterization of dextrin hydrogels by FTIR spectroscopy and solid state NMR spectroscopy. <i>European Polymer Journal</i> , <b>2008</b> , 44, 2318-2329	5.2	28
85	Targetability of hyaluronic acid nanogel to cancer cells: In vitro and in vivo studies. <i>European Journal of Pharmaceutical Sciences</i> , <b>2017</b> , 104, 102-113	5.1	27
84	Biological activity of heterologous murine interleukin-10 and preliminary studies on the use of a dextrin nanogel as a delivery system. <i>International Journal of Pharmaceutics</i> , <b>2010</b> , 400, 234-42	6.5	26
83	Structural analysis of dextrans and characterization of dextrin-based biomedical hydrogels. <i>Carbohydrate Polymers</i> , <b>2014</b> , 114, 458-466	10.3	25
82	Insights into the economic viability of cellulases recycling on bioethanol production from recycled paper sludge. <i>Bioresource Technology</i> , <b>2018</b> , 267, 347-355	11	24
81	Determinants on an efficient cellulase recycling process for the production of bioethanol from recycled paper sludge under high solid loadings. <i>Biotechnology for Biofuels</i> , <b>2018</b> , 11, 111	7.8	24

80	Precipitation of <i>Trichoderma reesei</i> commercial cellulase preparations under standard enzymatic hydrolysis conditions for lignocelluloses. <i>Biotechnology Letters</i> , <b>2012</b> , 34, 1475-82	3	24
79	Biocompatibility of mannan nanogel--safe interaction with plasma proteins. <i>Biochimica Et Biophysica Acta - General Subjects</i> , <b>2012</b> , 1820, 1043-51	4	24
78	Self-assembled nanogel made of mannan: synthesis and characterization. <i>Langmuir</i> , <b>2010</b> , 26, 11413-20	4	24
77	Continuous recycling of enzymes during production of lignocellulosic bioethanol in demonstration scale. <i>Applied Energy</i> , <b>2015</b> , 159, 188-195	10.7	23
76	Biocompatibility evaluation of bacterial cellulose as a scaffold material for tissue-engineered corneal stroma. <i>Cellulose</i> , <b>2020</b> , 27, 2775-2784	5.5	22
75	Enhanced UV Flexible Photodetectors and Photocatalysts Based on TiO <sub>2</sub> Nanoplatfoms. <i>Topics in Catalysis</i> , <b>2018</b> , 61, 1591-1606	2.3	22
74	Supramolecular assembled nanogel made of mannan. <i>Journal of Colloid and Interface Science</i> , <b>2011</b> , 361, 97-108	9.3	22
73	Factors influencing MOW deinking: Laboratory scale studies. <i>Enzyme and Microbial Technology</i> , <b>2006</b> , 38, 81-87	3.8	21
72	Large-scale production of cellulose-binding domains. Adsorption studies using CBD-FITC conjugates. <i>Cellulose</i> , <b>2006</b> , 13, 557-569	5.5	21
71	Processing and size range separation of pristine and magnetic poly(l-lactic acid) based microspheres for biomedical applications. <i>Journal of Colloid and Interface Science</i> , <b>2016</b> , 476, 79-86	9.3	20
70	Self-aggregation of hydrophobically modified dextrin and their interaction with surfactant. <i>Thermochimica Acta</i> , <b>2008</b> , 467, 54-62	2.9	20
69	Self-assembled dextrin nanogel as protein carrier: controlled release and biological activity of IL-10. <i>Biotechnology and Bioengineering</i> , <b>2011</b> , 108, 1977-86	4.9	19
68	In Vivo Biocompatibility and Biodegradability of Dextrin-based Hydrogels. <i>Journal of Bioactive and Compatible Polymers</i> , <b>2010</b> , 25, 141-153	2	19
67	Biofabrication of a novel bacteria/bacterial cellulose composite for improved adsorption capacity. <i>Composites Part A: Applied Science and Manufacturing</i> , <b>2019</b> , 125, 105560	8.4	17
66	Comparative study of cellulose fragmentation by enzymes and ultrasound. <i>Enzyme and Microbial Technology</i> , <b>1997</b> , 20, 12-17	3.8	17
65	A simple method to separate cellulose-binding domains of fungal cellulases after digestion by a protease. <i>Biotechnology Letters</i> , <b>2000</b> , 22, 703-707	3	17
64	Hydrophobic modification of bacterial cellulose using oxygen plasma treatment and chemical vapor deposition. <i>Cellulose</i> , <b>2020</b> , 27, 10733-10746	5.5	16
63	New dextrin nanomagnetogels as contrast agents for magnetic resonance imaging. <i>Journal of Materials Chemistry B</i> , <b>2013</b> , 1, 5853-5864	7.3	16

62	New dextrin-vinylacrylate hydrogel: Studies on protein diffusion and release. <i>Carbohydrate Polymers</i> , <b>2009</b> , 75, 322-327	10.3	16
61	Synthesis and Characterization of Self-Assembled Nanogels Made of Pullulan. <i>Materials</i> , <b>2011</b> , 4, 601-620	9.5	16
60	A dry and fully dispersible bacterial cellulose formulation as a stabilizer for oil-in-water emulsions. <i>Carbohydrate Polymers</i> , <b>2020</b> , 230, 115657	10.3	15
59	Inhalation of Bacterial Cellulose Nanofibrils Triggers an Inflammatory Response and Changes Lung Tissue Morphology of Mice. <i>Toxicological Research</i> , <b>2019</b> , 35, 45-63	3.7	14
58	Endogenous cathelicidin production limits inflammation and protective immunity to <i>Mycobacterium avium</i> in mice. <i>Immunity, Inflammation and Disease</i> , <b>2014</b> , 2, 1-12	2.4	14
57	Effect of cellulase adsorption on the surface and interfacial properties of cellulose. <i>Cellulose</i> , <b>1999</b> , 6, 265-282	5.5	14
56	Optoelectronic Devices from Bacterial NanoCellulose <b>2016</b> , 179-197		14
55	Development of a method using image analysis for the measurement of cellulose-binding domains adsorbed onto cellulose fibers. <i>Biotechnology Progress</i> , <b>2007</b> , 23, 1492-7	2.8	13
54	New methodology for the characterization of endoglucanase activity and its application on the <i>Trichoderma longibrachiatum</i> cellulolytic complex. <i>Enzyme and Microbial Technology</i> , <b>1993</b> , 15, 57-61	3.8	13
53	Partial characterization of cell wall from a flocculent strain of <i>Kluyveromyces marxianus</i> . <i>Biotechnology Letters</i> , <b>1989</b> , 11, 579-582	3	13
52	siRNA Inhibition of Endocytic Pathways to Characterize the Cellular Uptake Mechanisms of Folate-Functionalized Glycol Chitosan Nanogels. <i>Molecular Pharmaceutics</i> , <b>2015</b> , 12, 1970-9	5.6	12
51	Effects of gamma irradiation and periodate oxidation on the structure of dextrin assessed by mass spectrometry. <i>European Polymer Journal</i> , <b>2018</b> , 103, 158-169	5.2	12
50	In Vivo Imaging of Glycol Chitosan-Based Nanogel Biodistribution. <i>Macromolecular Bioscience</i> , <b>2016</b> , 16, 432-40	5.5	12
49	Antiproliferative activity of fucan nanogel. <i>Marine Drugs</i> , <b>2012</b> , 10, 2002-22	6	12
48	Development of a strategy to functionalize a dextrin-based hydrogel for animal cell cultures using a starch-binding module fused to RGD sequence. <i>BMC Biotechnology</i> , <b>2008</b> , 8, 78	3.5	12
47	Biocompatibility of a Self-Assembled Crosslinkable Hyaluronic Acid Nanogel. <i>Macromolecular Bioscience</i> , <b>2016</b> , 16, 1610-1620	5.5	12
46	Recombinant family 3 carbohydrate-binding module as a new additive for enhanced enzymatic saccharification of whole slurry from autohydrolyzed <i>Eucalyptus globulus</i> wood. <i>Cellulose</i> , <b>2018</b> , 25, 2505-2514	5.5	11
45	Bacterial cellulose nanofiber-based films incorporating gelatin hydrolysate from tilapia skin: production, characterization and cytotoxicity assessment. <i>Cellulose</i> , <b>2018</b> , 25, 6011-6029	5.5	11

44	Fabrication of a novel hierarchical fibrous scaffold for breast cancer cell culture. <i>Polymer Testing</i> , <b>2019</b> , 80, 106107	4.5	10
43	Modification of paper properties using carbohydrate-binding module 3 from the <i>Clostridium thermocellum</i> CipA scaffolding protein produced in <i>Pichia pastoris</i> : elucidation of the glycosylation effect. <i>Cellulose</i> , <b>2015</b> , 22, 2755-2765	5.5	10
42	Enzymatic Modification of Paper Fibres. <i>Biocatalysis and Biotransformation</i> , <b>2002</b> , 20, 353-361	2.5	10
41	Stable microfluidized bacterial cellulose suspension. <i>Cellulose</i> , <b>2019</b> , 26, 5851-5864	5.5	9
40	Dextrin-based nanomagnetogel: in vivo biodistribution and stability. <i>Bioconjugate Chemistry</i> , <b>2015</b> , 26, 699-706	6.3	9
39	Inflammatory response to dextrin-based hydrogel associated with human mesenchymal stem cells, urinary bladder matrix and Bonelike granules in rat subcutaneous implants. <i>Biomedical Materials (Bristol)</i> , <b>2016</b> , 11, 065004	3.5	9
38	Studies on the biodistribution of dextrin nanoparticles. <i>Nanotechnology</i> , <b>2010</b> , 21, 295103	3.4	9
37	Characterization of dextrin-based hydrogels: rheology, biocompatibility, and degradation. <i>Journal of Biomedical Materials Research - Part A</i> , <b>2010</b> , 93, 389-99	5.4	9
36	Exo- and endo-glucanolytic activity of cellulases purified from <i>Trichoderma reesei</i> . <i>Biotechnology Letters</i> , <b>1998</b> , 12, 677-681		9
35	Characterisation of Rosa Mosqueta seeds: cell wall polysaccharide composition and light microscopy observations. <i>Journal of the Science of Food and Agriculture</i> , <b>2000</b> , 80, 1859-1865	4.3	9
34	Interpenetrated nano- and submicro-fibrous biomimetic scaffolds towards enhanced mechanical and biological performances. <i>Materials Science and Engineering C</i> , <b>2020</b> , 108, 110416	8.3	9
33	Celluloses as Food Ingredients/Additives: Is There a Room for BNC? <b>2016</b> , 123-133		9
32	Effect of hot calendering on physical properties and water vapor transfer resistance of bacterial cellulose films. <i>Journal of Materials Science</i> , <b>2016</b> , 51, 9562-9572	4.3	9
31	Incorporating graphene oxide into biomimetic nano-microfibrous cellulose scaffolds for enhanced breast cancer cell behavior. <i>Cellulose</i> , <b>2020</b> , 27, 4471-4485	5.5	8
30	Optimization of bacterial nanocellulose fermentation using recycled paper sludge and development of novel composites. <i>Applied Microbiology and Biotechnology</i> , <b>2019</b> , 103, 9143-9154	5.7	8
29	Studies on the interaction of the carbohydrate binding module 3 from the <i>Clostridium thermocellum</i> CipA scaffolding protein with cellulose and paper fibres. <i>Cellulose</i> , <b>2009</b> , 16, 817-824	5.5	8
28	Characterisation of Chilean hazelnut ( <i>Gevuina avellana</i> ) tissues: light microscopy and cell wall polysaccharides. <i>Journal of the Science of Food and Agriculture</i> , <b>2003</b> , 83, 158-165	4.3	8
27	Development of dextrin-amphotericin B formulations for the treatment of Leishmaniasis. <i>International Journal of Biological Macromolecules</i> , <b>2020</b> , 153, 276-288	7.9	7



26	Escherichia coli expression, refolding and characterization of human laforin. <i>Protein Expression and Purification</i> , <b>2010</b> , 71, 195-9	2	7
25	Novel hydrogel obtained by chitosan and dextrin-VA co-polymerization. <i>Biotechnology Letters</i> , <b>2006</b> , 28, 1279-84	3	7
24	Bacterial Cellulose and Emulsified AESO Biocomposites as an Ecological Alternative to Leather. <i>Nanomaterials</i> , <b>2019</b> , 9,	5-4	7
23	Process Modeling and Techno-Economic Evaluation of an Industrial Bacterial NanoCellulose Fermentation Process <b>2016</b> , 199-214		6
22	Dry Bacterial Cellulose and Carboxymethyl Cellulose formulations with interfacial-active performance: processing conditions and redispersion. <i>Cellulose</i> , <b>2020</b> , 27, 6505-6520	5-5	5
21	Taxonomic Review and Microbial Ecology in Bacterial NanoCellulose Fermentation <b>2016</b> , 1-17		5
20	Expression of the functional carbohydrate-binding module (CBM) of human laforin. <i>Protein Expression and Purification</i> , <b>2010</b> , 74, 169-74	2	5
19	The inhibitory effect of an RGD-human chitin-binding domain fusion protein on the adhesion of fibroblasts to reacylated chitosan films. <i>Molecular Biotechnology</i> , <b>2008</b> , 40, 269-79	3	5
18	Textile depilling: Superior finishing using cellulose-binding domains with residual enzymatic activity. <i>Biocatalysis and Biotransformation</i> , <b>2007</b> , 25, 35-42	2-5	5
17	Mechanical fatigue performance of PCL-chondroprogenitor constructs after cell culture under bioreactor mechanical stimulus. <i>Journal of Biomedical Materials Research - Part B Applied Biomaterials</i> , <b>2016</b> , 104, 330-8	3-5	5
16	In vivo systemic toxicity assessment of an oxidized dextrin-based hydrogel and its effectiveness as a carrier and stabilizer of granular synthetic bone substitutes. <i>Journal of Biomedical Materials Research - Part A</i> , <b>2019</b> , 107, 1678-1689	5-4	4
15	Self-assembled mannan nanogel: cytocompatibility and cell localization. <i>Journal of Biomedical Nanotechnology</i> , <b>2012</b> , 8, 473-81	4	4
14	Physicochemical, functional and structural characterization of fibre from defatted Rosa rubiginosa and Gevuina avellana seeds. <i>Journal of the Science of Food and Agriculture</i> , <b>2004</b> , 84, 1951-1959	4-3	4
13	Identification of the Bacterial Pathogens in Children with Otitis Media: A Study in the Northwestern Portuguese District of Braga.. <i>Microorganisms</i> , <b>2021</b> , 10,	4-9	4
12	Potential of mannan or dextrin nanogels as vaccine carrier/adjuvant systems. <i>Journal of Bioactive and Compatible Polymers</i> , <b>2016</b> , 31, 453-466	2	4
11	Application of Bacterial Cellulose in the Textile and Shoe Industry: Development of Biocomposites. <i>Polysaccharides</i> , <b>2021</b> , 2, 566-581	3	4
10	Unraveling the uptake mechanisms of mannan nanogel in bone-marrow-derived macrophages. <i>Macromolecular Bioscience</i> , <b>2012</b> , 12, 1172-80	5-5	3
9	Patterned Piezoelectric Scaffolds for Osteogenic Differentiation. <i>International Journal of Molecular Sciences</i> , <b>2020</b> , 21,	6-3	3

8	In vitro genotoxicity assessment of an oxidized dextrin-based hydrogel for biomedical applications. <i>Journal of Applied Toxicology</i> , <b>2019</b> , 39, 639-649	4.1	3
7	Injectable hydrogels as a delivery system for bone regeneration <b>2017</b> , 241-271		2
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3	Study and valorisation of wastewaters generated in the production of bacterial nanocellulose. <i>Biodegradation</i> , <b>2020</b> , 31, 47-56	4.1	1
2	Process Modelling and Techno-Economic Evaluation of an Industrial Airlift Bacterial Cellulose Fermentation Process <b>2018</b> , 1-16		1
1	European Regulatory Framework on Novel Foods and Novel Food Additives <b>2016</b> , 135-144		1