Albino Martins

List of Publications by Year
in descending order

82 papers	4,006 citations	117625 34 h-index	118850 62 g-index
89 all docs	89 docs citations	89 times ranked	6509 citing authors

#	Article	IF	Citations
1	Liposomes in tissue engineering and regenerative medicine. Journal of the Royal Society Interface, 2014, 11, 20140459.	3.4	269
2	Surface Modification of Electrospun Polycaprolactone Nanofiber Meshes by Plasma Treatment to Enhance Biological Performance. Small, 2009, 5, 1195-1206.	10.0	244
3	Distribution of p63, cytokeratins 5/6 and cytokeratin 14 in 51 normal and 400 neoplastic human tissue samples using TARP-4 multi-tumor tissue microarray. Virchows Archiv Fur Pathologische Anatomie Und Physiologie Und Fur Klinische Medizin, 2003, 443, 122-132.	2.8	220
4	Hierarchical starch-based fibrous scaffold for bone tissue engineering applications. Journal of Tissue Engineering and Regenerative Medicine, 2009, 3, 37-42.	2.7	191
5	Overexpression of platelet-derived growth factor receptor Î± in breast cancer is associated with tumour progression. Breast Cancer Research, 2005, 7, R788-95.	5.0	178
6	Electrospun nanostructured scaffolds for tissue engineering applications. Nanomedicine, 2007, 2, 929-942.	3.3	173
7	Osteogenic induction of hBMSCs by electrospun scaffolds with dexamethasone release functionality. Biomaterials, 2010, 31, 5875-5885.	11.4	160
8	Cartilage Tissue Engineering Using Electrospun PCL Nanofiber Meshes and MSCs. Biomacromolecules, 2010, 11, 3228-3236.	5.4	155
9	Antibacterial activity of chitosan nanofiber meshes with liposomes immobilized releasing gentamicin. Acta Biomaterialia, 2015, 18, 196-205.	8.3	154
10	Electrospinning: processing technique for tissue engineering scaffolding. International Materials Reviews, 2008, 53, 257-274.	19.3	147
11	Tissue Engineering and Regenerative Medicine. International Review of Neurobiology, 2013, 108, 1-33.	2.0	107
12	Expression, mutation and copy number analysis of platelet-derived growth factor receptor A (PDGFRA) and its ligand PDGFA in gliomas. British Journal of Cancer, 2009, 101, 973-982.	6.4	104
13	Surface controlled biomimetic coating of polycaprolactone nanofiber meshes to be used as bone extracellular matrix analogues. Journal of Biomaterials Science, Polymer Edition, 2008, 19, 1261-1278.	3.5	91
14	Mutation analysis of B-RAF gene in human gliomas. Acta Neuropathologica, 2005, 109, 207-210.	7.7	85
15	Instructive Nanofibrous Scaffold Comprising Runt-Related Transcription Factor 2 Gene Delivery for Bone Tissue Engineering. ACS Nano, 2014, 8, 8082-8094.	14.6	81
16	Extracellular Vesicles Derived from Osteogenically Induced Human Bone Marrow Mesenchymal Stem Cells Can Modulate Lineage Commitment. Stem Cell Reports, 2016, 6, 284-291.	4.8	81
17	Chondrogenic differentiation of human bone marrow mesenchymal stem cells in chitosan-based scaffolds using a flow-perfusion bioreactor. Journal of Tissue Engineering and Regenerative Medicine, 2011, 5, 722-732.	2.7	78
18	Optimized electro- and wet-spinning techniques for the production of polymeric fibrous scaffolds loaded with bisphosphonate and hydroxyapatite. Journal of Tissue Engineering and Regenerative Medicine, 2011, 5, 253-263.	2.7	77

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19	A review on fucoidan antitumor strategies: From a biological active agent to a structural component of fucoidan-based systems. Carbohydrate Polymers, 2020, 239, 116131.	10.2	77
20	The Key Role of Sulfation and Branching on Fucoidan Antitumor Activity. Macromolecular Bioscience, 2017, 17, 1600340.	4.1	76
21	Endothelial Differentiation of Human Stem Cells Seeded onto Electrospun Polyhydroxybutyrate/Polyhydroxybutyrate-Co-Hydroxyvalerate Fiber Mesh. PLoS ONE, 2012, 7, e35422.	2.5	73
22	Solving cell infiltration limitations of electrospun nanofiber meshes for tissue engineering applications. Nanomedicine, 2010, 5, 539-554.	3.3	71
23	Evaluation of Extracellular Matrix Formation in Polycaprolactone and Starch-Compounded Polycaprolactone Nanofiber Meshes When Seeded with Bovine Articular Chondrocytes. Tissue Engineering - Part A, 2009, 15, 377-385.	3.1	60
24	Immobilization of bioactive factor-loaded liposomes on the surface of electrospun nanofibers targeting tissue engineering. Biomaterials Science, 2014, 2, 1195-1209.	5.4	54
25	Fucoidan from Fucus vesiculosus inhibits new blood vessel formation and breast tumor growth in vivo. Carbohydrate Polymers, 2019, 223, 115034.	10.2	51
26	Nanoparticle-based bioactive agent release systems for bone and cartilage tissue engineering. Regenerative Therapy, 2015, 1, 109-118.	3.0	50
27	Gemcitabine delivered by fucoidan/chitosan nanoparticles presents increased toxicity over human breast cancer cells. Nanomedicine, 2018, 13, 2037-2050.	3.3	47
28	The Influence of Patterned Nanofiber Meshes on Human Mesenchymal Stem Cell Osteogenesis. Macromolecular Bioscience, 2011, 11, 978-987.	4.1	46
29	Degradable particulate composite reinforced with nanofibres for biomedical applications. Acta Biomaterialia, 2009, 5, 1104-1114.	8.3	43
30	Biodegradable Nanofibers-Reinforced Microfibrous Composite Scaffolds for Bone Tissue Engineering. Tissue Engineering - Part A, 2010, 16, 3599-3609.	3.1	42
31	Hyaluronic acid/poly-<scp>l</scp>-lysine bilayered silica nanoparticles enhance the osteogenic differentiation of human mesenchymal stem cells. Journal of Materials Chemistry B, 2014, 2, 6939-6946.	5.8	41
32	Chondroitin sulfate immobilization at the surface of electrospun nanofiber meshes for cartilage tissue regeneration approaches. Applied Surface Science, 2017, 403, 112-125.	6.1	39
33	Spatial immobilization of endogenous growth factors to control vascularization in bone tissue engineering. Biomaterials Science, 2020, 8, 2577-2589.	5.4	38
34	Conditioned medium as a strategy for human stem cells chondrogenic differentiation. Journal of Tissue Engineering and Regenerative Medicine, 2015, 9, 714-723.	2.7	34
35	Biofunctional Nanofibrous Substrate Comprising Immobilized Antibodies and Selective Binding of Autologous Growth Factors. Biomacromolecules, 2014, 15, 2196-2205.	5.4	33
36	On the use of dexamethasone-loaded liposomes to induce the osteogenic differentiation of human mesenchymal stem cells. Journal of Tissue Engineering and Regenerative Medicine, 2015, 9, 1056-1066.	2.7	33

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37	VEGFR-3 expression in breast cancer tissue is not restricted to lymphatic vessels. Pathology Research and Practice, 2005, 201, 93-99.	2.3	29
38	Improvement of electrospun polymer fiber meshes pore size by femtosecond laser irradiation. Applied Surface Science, 2011, 257, 4091-4095.	6.1	27
39	Electrospun colourimetric sensors for detecting volatile amines. Sensors and Actuators B: Chemical, 2020, 322, 128570.	7.8	23
40	Molecular Alterations of KIT Oncogene in Gliomas. Analytical Cellular Pathology, 2007, 29, 399-408.	1.4	22
41	The Use of Electrospinning Technique on Osteochondral Tissue Engineering. Advances in Experimental Medicine and Biology, 2018, 1058, 247-263.	1.6	19
42	Arteriovenous access in hemodialysis: A multidisciplinary perspective for future solutions. International Journal of Artificial Organs, 2021, 44, 3-16.	1.4	19
43	Chondrogenesis-inductive nanofibrous substrate using both biological fluids and mesenchymal stem cells from an autologous source. Materials Science and Engineering C, 2019, 98, 1169-1178.	7.3	18
44	Synergistic effect of scaffold composition and dynamic culturing environment in multilayered systems for bone tissue engineering. Journal of Tissue Engineering and Regenerative Medicine, 2012, 6, e24-e30.	2.7	17
45	Hierarchical scaffolds enhance osteogenic differentiation of human Whartonâ€™s jelly derived stem cells. Biofabrication, 2015, 7, 035009.	7.1	17
46	Tubular Fibrous Scaffolds Functionalized with Tropoelastin as a Small-Diameter Vascular Graft. Biomacromolecules, 2020, 21, 3582-3595.	5.4	17
47	Surface biofunctionalization to improve the efficacy of biomaterial substrates to be used in regenerative medicine. Materials Horizons, 2020, 7, 2258-2275.	12.2	17
48	Electrospun Nanofibrous Meshes Cultured With Wharton's Jelly Stem Cell: An Alternative for Cartilage Regeneration, Without the Need of Growth Factors. Biotechnology Journal, 2017, 12, 1700073.	3.5	16
49	p63-driven Nuclear Accumulation of Î²-Catenin is Not a Frequent Event in Human Neoplasms. Pathology Research and Practice, 2003, 199, 785-793.	2.3	15
50	Piezoresponse force microscopy studies of the triglycine sulfate-based nanofibers. Journal of Applied Physics, 2010, 108, .	2.5	15
51	High nonlinear optical anisotropy of urea nanofibers. Europhysics Letters, 2010, 91, 28007.	2.0	15
52	Automating the Processing Steps for Obtaining Bone Tissue-Engineered Substitutes: From Imaging Tools to Bioreactors. Tissue Engineering - Part B: Reviews, 2014, 20, 567-577.	4.8	15
53	Fucoidan/chitosan nanoparticles functionalized with anti-ErbB-2 target breast cancer cells and impair tumor growth in vivo. International Journal of Pharmaceutics, 2021, 600, 120548.	5.2	15
54	Fucoidan Immobilized at the Surface of a Fibrous Mesh Presents Toxic Effects over Melanoma Cells, But Not over Noncancer Skin Cells. Biomacromolecules, 2020, 21, 2745-2754.	5.4	13

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55	Impact of Biological Agents and Tissue Engineering Approaches on the Treatment of Rheumatic Diseases. Tissue Engineering - Part B: Reviews, 2010, 16, 331-339.	4.8	12
56	Fish sarcoplasmic proteins as a high value marine material for wound dressing applications. Colloids and Surfaces B: Biointerfaces, 2018, 167, 310-317.	5.0	12
57	Influence of PDLA nanoparticles size on drug release and interaction with cells. Journal of Biomedical Materials Research - Part A, 2019, 107, 482-493.	4.0	12
58	Chondrogenic differentiation induced by extracellular vesicles bound to a nanofibrous substrate. Npj Regenerative Medicine, 2021, 6, 79.	5.2	12
59	Micro/Nano Scaffolds for Osteochondral Tissue Engineering. Advances in Experimental Medicine and Biology, 2018, 1058, 125-139.	1.6	11
60	Fibronectin-Functionalized Fibrous Meshes as a Substrate to Support Cultures of Thymic Epithelial Cells. Biomacromolecules, 2020, 21, 4771-4780.	5.4	11
61	The functionalization of natural polymer-coated gold nanoparticles to carry bFGF to promote tissue regeneration. Journal of Materials Chemistry B, 2018, 6, 2104-2115.	5.8	10
62	Fibronectin Bound to a Fibrous Substrate Has Chondrogenic Induction Properties. Biomacromolecules, 2020, 21, 1368-1378.	5.4	10
63	Biofunctional Nanofibrous Substrate for Local TNF-Capturing as a Strategy to Control Inflammation in Arthritic Joints. Nanomaterials, 2019, 9, 567.	4.1	9
64	New Vascular Graft Using the Decellularized Human Chorion Membrane. ACS Biomaterials Science and Engineering, 2021, 7, 3423-3433.	5.2	8
65	Dual release of a hydrophilic and a hydrophobic osteogenic factor from a single liposome. RSC Advances, 2016, 6, 114599-114612.	3.6	6
66	Angiogenic potential of airbrushed fucoidan/polycaprolactone nanofibrous meshes. International Journal of Biological Macromolecules, 2021, 183, 695-706.	7.5	6
67	Microfluidic-assisted electrospinning, an alternative to coaxial, as a controlled dual drug release system to treat inflammatory arthritic diseases. Materials Science and Engineering C, 2022, 134, 112585.	7.3	6
68	Marine-derived biomaterials for cancer treatment. , 2020, , 551-576.		5
69	Recapitulation of Thymic Function by Tissue Engineering Strategies. Advanced Healthcare Materials, 2021, 10, 2100773.	7.6	5
70	Surface modification of a biodegradable composite by UV laser ablation:<i>in vitro</i>biological performance. Journal of Tissue Engineering and Regenerative Medicine, 2010, 4, n/a-n/a.	2.7	4
71	Stimulation of Neurite Outgrowth Using Autologous NGF Bound at the Surface of a Fibrous Substrate. Biomolecules, 2022, 12, 25.	4.0	4
72	Biomimetic Surface Topography from the <i>Rubus fruticosus</i> Leaf as a Guidance of Angiogenesis in Tissue Engineering Applications. ACS Biomaterials Science and Engineering, 2022, 8, 2943-2953.	5.2	4

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73	Synthesis of polymer-based triglycine sulfate nanofibres by electrospinning. Journal Physics D: Applied Physics, 2009, 42, 205403.	2.8	3
74	Biofunctional nanostructured systems for regenerative medicine. Nanomedicine, 2020, 15, 1545-1549.	3.3	3
75	Metronidazole Delivery Nanosystem Able To Reduce the Pathogenicity of Bacteria in Colorectal Infection. Biomacromolecules, 2022, 23, 2415-2427.	5.4	3
76	Advanced polymer composites and structures for bone and cartilage tissue engineering. , 2016, , 123-142.		2
77	Marine-derived polymeric nanostructures for cancer treatment. Nanomedicine, 2021, 16, 1931-1935.	3.3	2
78	Size Also Matters in Biodegradable Composite Microfiber Reinforced by Chitosan Nanofibers. Materials Research Society Symposia Proceedings, 2014, 1621, 59-69.	0.1	1
79	Sulfated Seaweed Polysaccharides. , 2022, , 307-340.		1
80	Biomedical Applications of Fibers Produced by Electrospinning, Microfluidic Spinning and Combinations of Both. , 2022, , 251-295.		1
81	P3 UNDERSTANDING THE ENDOTHELIAL â€" SMOOTH MUSCLE â€" FIBROBLASTIC CELLS INTERACTIONS ON A TISSUE-ENGINEERED VASCULAR GRAFT. Artery Research, 2018, 24, 80.	0.6	0
82	Spatial Immobilization of Autologous Growth Factors to Control Vascularization in Bone Tissue Engineering. SSRN Electronic Journal, 0, , .	0.4	0