

# Carla Cunha

## List of Publications by Year in descending order

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Version: 2024-02-01

38  
papers

3,112  
citations

236925

25  
h-index

315739

38  
g-index

39  
all docs

39  
docs citations

39  
times ranked

5348  
citing authors

#	ARTICLE	IF	CITATIONS
1	A simple role for BDNF in learning and memory?. <i>Frontiers in Molecular Neuroscience</i> , 2010, 3, 1.	2.9	583
2	Inflammation in intervertebral disc degeneration and regeneration. <i>Journal of the Royal Society Interface</i> , 2015, 12, 20141191.	3.4	291
3	Electrospun micro- and nanofiber tubes for functional nervous regeneration in sciatic nerve transections. <i>BMC Biotechnology</i> , 2008, 8, 39.	3.3	281
4	Transplantation of Nanostructured Composite Scaffolds Results in the Regeneration of Chronically Injured Spinal Cords. <i>ACS Nano</i> , 2011, 5, 227-236.	14.6	167
5	Emerging nanotechnology approaches in tissue engineering for peripheral nerve regeneration. <i>Nanomedicine: Nanotechnology, Biology, and Medicine</i> , 2011, 7, 50-59.	3.3	164
6	Intrinsically superparamagnetic Fe-hydroxyapatite nanoparticles positively influence osteoblast-like cell behaviour. <i>Journal of Nanobiotechnology</i> , 2012, 10, 32.	9.1	138
7	The inflammatory response in the regression of lumbar disc herniation. <i>Arthritis Research and Therapy</i> , 2018, 20, 251.	3.5	130
8	3D culture of adult mouse neural stem cells within functionalized self-assembling peptide scaffolds. <i>International Journal of Nanomedicine</i> , 2011, 6, 943.	6.7	120
9	Osteochondral tissue engineering approaches for articular cartilage and subchondral bone regeneration. <i>Knee Surgery, Sports Traumatology, Arthroscopy</i> , 2012, 20, 1182-1191.	4.2	120
10	Magnetic Bioinspired Hybrid Nanostructured Collagen-Hydroxyapatite Scaffolds Supporting Cell Proliferation and Tuning Regenerative Process. <i>ACS Applied Materials &amp; Interfaces</i> , 2014, 6, 15697-15707.	8.0	119
11	Brain-derived neurotrophic factor (BDNF) overexpression in the forebrain results in learning and memory impairments. <i>Neurobiology of Disease</i> , 2009, 33, 358-368.	4.4	101
12	Magnetic Hydroxyapatite Bone Substitutes to Enhance Tissue Regeneration: Evaluation In Vitro Using Osteoblast-Like Cells and In Vivo in a Bone Defect. <i>PLoS ONE</i> , 2012, 7, e38710.	2.5	96
13	Hybrid composites made of multiwalled carbon nanotubes functionalized with Fe <sub>3</sub> O <sub>4</sub> nanoparticles for tissue engineering applications. <i>Nanotechnology</i> , 2012, 23, 465102.	2.6	74
14	Predicting sampling saturation of mtDNA haplotypes: an application to an enlarged Portuguese database. <i>International Journal of Legal Medicine</i> , 2004, 118, 132-136.	2.2	59
15	A novel bioactive peptide: assessing its activity over murine neural stem cells and its potential for neural tissue engineering. <i>New Biotechnology</i> , 2013, 30, 552-562.	4.4	56
16	Fibrinogen scaffolds with immunomodulatory properties promote in vivo bone regeneration. <i>Biomaterials</i> , 2016, 111, 163-178.	11.4	54
17	Macrophages Down-Regulate Gene Expression of Intervertebral Disc Degenerative Markers Under a Pro-inflammatory Microenvironment. <i>Frontiers in Immunology</i> , 2019, 10, 1508.	4.8	50
18	Development of a standardized histopathology scoring system for intervertebral disc degeneration in rat models: An initiative of the ORS spine section. <i>JOR Spine</i> , 2021, 4, e1150.	3.2	49

#	ARTICLE	IF	CITATIONS
19	Amino and carboxyl plasma functionalization of collagen films for tissue engineering applications. <i>Journal of Colloid and Interface Science</i> , 2013, 394, 590-597.	9.4	48
20	Fabrication and Pilot In Vivo Study of a Collagen-BDDGE-Elastin Core-Shell Scaffold for Tendon Regeneration. <i>Frontiers in Bioengineering and Biotechnology</i> , 2016, 4, 52.	4.1	38
21	Joint analysis of IVD herniation and degeneration by rat caudal needle puncture model. <i>Journal of Orthopaedic Research</i> , 2017, 35, 258-268.	2.3	31
22	Systemic Delivery of Bone Marrow Mesenchymal Stem Cells for In Situ Intervertebral Disc Regeneration. <i>Stem Cells Translational Medicine</i> , 2017, 6, 1029-1039.	3.3	31
23	African Female Heritage in Iberia: A Reassessment of mtDNA Lineage Distribution in Present Times. <i>Human Biology</i> , 2005, 77, 213-229.	0.2	29
24	Evaluation of the Effects of a Moderate Intensity Static Magnetic Field Application on Human Osteoblast-Like Cells. <i>American Journal of Biomedical Engineering</i> , 2013, 2, 263-268.	0.9	29
25	High biocompatibility and improved osteogenic potential of novel Ca <sup>4+</sup> /titanium composite scaffolds designed for regeneration of load-bearing segmental bone defects. <i>Journal of Biomedical Materials Research - Part A</i> , 2013, 101A, 1612-1619.	4.0	25
26	Hybrid Scaffolds for Tissue Regeneration: Chemotaxis and Physical Confinement as Sources of Biomimesis. <i>Journal of Nanomaterials</i> , 2012, 2012, 1-10.	2.7	19
27	Modulation of the In Vivo Inflammatory Response by Pro- Versus Anti-Inflammatory Intervertebral Disc Treatments. <i>International Journal of Molecular Sciences</i> , 2020, 21, 1730.	4.1	15
28	Bioactivity of surface tethered Osteogenic Growth Peptide motifs. <i>MedChemComm</i> , 2014, 5, 899.	3.4	13
29	Age-Related Phenotypic Alterations in Cells Isolated From Human Degenerated Intervertebral Discs With Contained Hernias. <i>Spine</i> , 2018, 43, E274-E284.	2.0	12
30	The Systemic Immune Response to Collagen-Induced Arthritis and the Impact of Bone Injury in Inflammatory Conditions. <i>International Journal of Molecular Sciences</i> , 2019, 20, 5436.	4.1	11
31	Profiling the circulating miRNome reveals a temporal regulation of the bone injury response. <i>Theranostics</i> , 2018, 8, 3902-3917.	10.0	9
32	Role of neuropeptide Y (NPY) in the differentiation of Trpm-5-positive olfactory microvillar cells. <i>Neuropeptides</i> , 2018, 68, 90-98.	2.2	7
33	Therapeutic Strategies for IVD Regeneration through Hyaluronan/SDF-1-Based Hydrogel and Intravenous Administration of MSCs. <i>International Journal of Molecular Sciences</i> , 2021, 22, 9609.	4.1	7
34	Morphological and behavioural changes occur following the X-ray irradiation of the adult mouse olfactory neuroepithelium. <i>BMC Neuroscience</i> , 2012, 13, 134.	1.9	6
35	Engineering of a 3D Nanostructured Scaffold Made of Functionalized Self-Assembling Peptides and Encapsulated Neural Stem Cells. <i>Methods in Molecular Biology</i> , 2013, 1058, 171-182.	0.9	6
36	Circulating microRNAs Correlate with Multiple Myeloma and Skeletal Osteolytic Lesions. <i>Cancers</i> , 2021, 13, 5258.	3.7	4

#	ARTICLE	IF	CITATIONS
37	Inspired by nature. <i>Materials Today</i> , 2012, 15, 223.	14.2	1
38	Remote Control of Cell Behaviour Through an External Magnetic Field as Tool for Nanomedicine Applications. , 2013, , .		0