

Ana Colette MaurÃ©cio

List of Publications by Year in descending order

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106
papers

2,309
citations

201674

27
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265206

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116
all docs

116
docs citations

116
times ranked

2812
citing authors

#	ARTICLE	IF	CITATIONS
1	Peripheral Nerve Injury Treatments and Advances: One Health Perspective. International Journal of Molecular Sciences, 2022, 23, 918.	4.1	70
2	Mesenchymal Stem/Stromal Cells and Their Paracrine Activity – Immunomodulation Mechanisms and How to Influence the Therapeutic Potential. Pharmaceutics, 2022, 14, 381.	4.5	46
3	Central airway obstruction: is it time to move forward?. BMC Pulmonary Medicine, 2022, 22, 68.	2.0	8
4	3D Printed Poly(L-caprolactone)/Hydroxyapatite Scaffolds for Bone Tissue Engineering: A Comparative Study on a Composite Preparation by Melt Blending or Solvent Casting Techniques and the Influence of Bioceramic Content on Scaffold Properties. International Journal of Molecular Sciences, 2022, 23, 2318.	4.1	12
5	Effects of Olfactory Mucosa Stem/Stromal Cell and Olfactory Ensheathing Cells Secretome on Peripheral Nerve Regeneration. Biomolecules, 2022, 12, 818.	4.0	1
6	The Application of Mesenchymal Stem Cells on Wound Repair and Regeneration. Applied Sciences (Switzerland), 2021, 11, 3000.	2.5	8
7	Small Ruminants and Its Use in Regenerative Medicine: Recent Works and Future Perspectives. Biology, 2021, 10, 249.	2.8	16
8	The application of Bonelike® Poro as a synthetic bone substitute for the management of critical-sized bone defects - A comparative approach to the autograft technique - A preliminary study. Bone Reports, 2021, 14, 101064.	0.4	2
9	In Vitro and In Vivo Characterization of PLLA-316L Stainless Steel Electromechanical Devices for Bone Tissue Engineering – A Preliminary Study. International Journal of Molecular Sciences, 2021, 22, 7655.	4.1	11
10	A Comparison of Two-Dimensional and Three-Dimensional Techniques for Kinematic Analysis of the Sagittal Motion of Sheep Hindlimbs During Walking on a Treadmill. Frontiers in Veterinary Science, 2021, 8, 545708.	2.2	3
11	Two-dimensional and three-dimensional techniques for determining the kinematic patterns for hindlimb obstacle avoidance during sheep locomotion. Ciencia Rural, 2021, 51, .	0.5	0
12	Combined Use of Chitosan and Olfactory Mucosa Mesenchymal Stem/Stromal Cells to Promote Peripheral Nerve Regeneration In Vivo. Stem Cells International, 2021, 2021, 1-32.	2.5	25
13	Establishment of a Sheep Model for Hind Limb Peripheral Nerve Injury: Common Peroneal Nerve. International Journal of Molecular Sciences, 2021, 22, 1401.	4.1	12
14	Regeneration of critical-sized defects, in a goat model, using a dextrin-based hydrogel associated with granular synthetic bone substitute. International Journal of Energy Production and Management, 2021, 8, rbaa036.	3.7	9
15	Innovative tailor made dextran based membranes with excellent non-inflammatory response: In vivo assessment. Materials Science and Engineering C, 2020, 107, 110243.	7.3	4
16	Dextran-based tube-guides for the regeneration of the rat sciatic nerve after neurotmesis injury. Biomaterials Science, 2020, 8, 798-811.	5.4	11
17	Mesenchymal Stem Cells (MSCs) as a Potential Therapeutic Strategy in COVID-19 Patients: Literature Research. Frontiers in Cell and Developmental Biology, 2020, 8, 602647.	3.7	25
18	Rat Olfactory Mucosa Mesenchymal Stem/Stromal Cells (OM-MSCs): A Characterization Study. International Journal of Cell Biology, 2020, 2020, 1-21.	2.5	11

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19	Synthesis of PEGylated methotrexate conjugated with a novel CPP6, in silico structural insights and activity in MCF-7 cells. Journal of Molecular Structure, 2019, 1192, 201-207.	3.6	4
20	Dental pulp stem cells and Bonelike [®] for bone regeneration in ovine model. International Journal of Energy Production and Management, 2019, 6, 49-59.	3.7	28
21	Mesenchymal Stem/ Stromal Cells metabolomic and bioactive factors profiles: A comparative analysis on the umbilical cord and dental pulp derived Stem/ Stromal Cells secretome. PLoS ONE, 2019, 14, e0221378.	2.5	27
22	Kinematic and kinetic gait analysis to evaluate functional recovery in thoracic spinal cord injured rats. Neuroscience and Biobehavioral Reviews, 2019, 98, 18-28.	6.1	10
23	Title is missing!. , 2019, 14, e0221378.		0
24	Title is missing!. , 2019, 14, e0221378.		0
25	Title is missing!. , 2019, 14, e0221378.		0
26	Title is missing!. , 2019, 14, e0221378.		0
27	The Nasal Cavity of the Rat and Mouse as Source of Mesenchymal Stem Cells for Treatment of Peripheral Nerve Injury. Anatomical Record, 2018, 301, 1678-1689.	1.4	31
28	Peripheral nerve injury and axonotmesis: State of the art and recent advances. Cogent Medicine, 2018, 5, 1466404.	0.7	65
29	Application of Bonelike [®] as synthetic bone graft in orthopaedic and oral surgery in veterinary clinical cases. Biomaterials Research, 2018, 22, 38.	6.9	6
30	Human umbilical cord blood plasma as an alternative to animal sera for mesenchymal stromal cells in vitro expansion – A multicomponent metabolomic analysis. PLoS ONE, 2018, 13, e0203936.	2.5	22
31	Processing, Characterization, and in Vivo Evaluation of Poly(L-lactic acid)-Fish Gelatin Electrospun Membranes for Biomedical Applications. ACS Applied Bio Materials, 2018, 1, 226-236.	4.6	3
32	Kinematic patterns for hindlimb obstacle avoidance during sheep locomotion. Neurological Research, 2018, 40, 963-971.	1.3	8
33	The <i>in vivo</i> performance of an alkali-free bioactive glass for bone grafting, F ₄₃ O ₅₃ S ₁₀ Si [®] BG, assessed with an ovine model. Journal of Biomedical Materials Research - Part B Applied Biomaterials, 2017, 105, 30-38.	3.4	25
34	Evaluation of PVA biodegradable electric conductive membranes for nerve regeneration in axonotmesis injuries: the rat sciatic nerve animal model. Journal of Biomedical Materials Research - Part A, 2017, 105, 1267-1280.	4.0	19
35	The use of sheep as a model for studying peripheral nerve regeneration following nerve injury: review of the literature. Neurological Research, 2017, 39, 926-939.	1.3	33
36	Long term performance evaluation of small-diameter vascular grafts based on polyvinyl alcohol hydrogel and dextran and MSCs-based therapies using the ovine pre-clinical animal model. International Journal of Pharmaceutics, 2017, 523, 515-530.	5.2	17

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37	Regeneration of the peripheral nerve – Development and evaluation of guide tubes of biodegradable polymer. , 2017, , .		1
38	Neuro-muscular regeneration using scaffolds with mesenchymal stem cells (MSCs) isolated from human umbilical cord Wharton's jelly. Ciência & Tecnologia Dos Materiais, 2017, 29, e135-e139.	0.5	2
39	Dynamic feet distance: A new functional assessment during treadmill locomotion in normal and thoracic spinal cord injured rats. Behavioural Brain Research, 2017, 335, 132-135.	2.2	2
40	Scaffolds for Peripheral Nerve Regeneration, the Importance of In Vitro and In Vivo Studies for the Development of Cell-Based Therapies and Biomaterials: State of the Art. , 2017, , .		6
41	Neuromuscular Regeneration: Perspective on the Application of Mesenchymal Stem Cells and Their Secretion Products. Stem Cells International, 2016, 2016, 1-16.	2.5	48
42	Preparation and characterization of electrical conductive PVA based materials for peripheral nerve tube-guides. Journal of Biomedical Materials Research - Part A, 2016, 104, 1981-1987.	4.0	12
43	Bonelike® Graft for Regenerative Bone Applications. , 2016, , 409-437.		0
44	Long term performance evaluation of small-diameter vascular grafts based on polyvinyl alcohol hydrogel and dextran and MSCs-based therapies using the ovine pre-clinical animal model. International Journal of Pharmaceutics, 2016, 513, 332-346.	5.2	15
45	Inflammatory response to dextrin-based hydrogel associated with human mesenchymal stem cells, urinary bladder matrix and Bonelike® granules in rat subcutaneous implants. Biomedical Materials (Bristol), 2016, 11, 065004.	3.3	12
46	Mesenchymal Stem Cells and Biomaterials Systems – Perspectives for Skeletal Muscle Tissue Repair and Regeneration. Procedia Engineering, 2015, 110, 90-97.	1.2	5
47	Neuro-muscular Regeneration Using Scaffolds with Mesenchymal Stem Cells (MSCs) Isolated from Human Umbilical Cord Wharton's Jelly: Functional and Morphological Analysis Using Rat Sciatic Nerve Neurotmesis Injury Model. Procedia Engineering, 2015, 110, 106-113.	1.2	9
48	<i>In vitro</i> and <i>in vivo</i> evaluation of blood coagulation activation of polyvinyl alcohol hydrogel plus dextran-based vascular grafts. Journal of Biomedical Materials Research - Part A, 2015, 103, 1366-1379.	4.0	29
49	The role of hybrid chitosan membranes on scarring process following lumbar surgery: post-laminectomy experimental model. Neurological Research, 2015, 37, 23-29.	1.3	9
50	Morphology effect of bioglass® reinforced hydroxyapatite (Bonelike®) on osteoregeneration. Journal of Biomedical Materials Research - Part B Applied Biomaterials, 2015, 103, 292-304.	3.4	19
51	Evaluation of biodegradable electric conductive tube-guides and mesenchymal stem cells. World Journal of Stem Cells, 2015, 7, 956.	2.8	20
52	Cell Therapy with Human MSCs Isolated from the Umbilical Cord Wharton Jelly Associated to a PVA Membrane in the Treatment of Chronic Skin Wounds. International Journal of Medical Sciences, 2014, 11, 979-987.	2.5	53
53	Promoting Nerve Regeneration in a Neurotmesis Rat Model Using Poly(DL-lactide-co-glycolide) Scaffolds. Tissue Engineering Part B: Applied Tissue Engineering, 2014, 18, 107-117.	1.9	31
54	Mesenchymal Stem Cells from the Wharton's Jelly: <i>In Vitro</i> and <i>In Vivo</i> Analysis. BioMed Research International, 2014, 2014, 1-17.		
54	Challenges for Nerve Repair Using Chitosan-Siloxane Hybrid Porous Scaffolds. BioMed Research International, 2014, 2014, 1-7.	1.9	16

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55	CAN GLOBAL OPTIMIZATION TECHNIQUE COMPENSATE FOR MARKER SKIN MOVEMENT IN RAT KINEMATICS?. Journal of Mechanics in Medicine and Biology, 2014, 14, 1450065.	0.7	2
56	Effects of Human Mesenchymal Stem Cells Isolated from Wharton's Jelly of the Umbilical Cord and Conditioned Media on Skeletal Muscle Regeneration Using a Myectomy Model. Stem Cells International, 2014, 2014, 1-16.	2.5	34
57	Biocompatibility and hemocompatibility of polyvinyl alcohol hydrogel used for vascular grafting-In vitroandin vivostudies. Journal of Biomedical Materials Research - Part A, 2014, 102, n/a-n/a.	4.0	84
58	A new sheep model with automatized analysis of biomaterial-induced bone tissue regeneration. Journal of Materials Science: Materials in Medicine, 2014, 25, 1885-1901.	3.6	10
59	MSCs Conditioned Media and Umbilical Cord Blood Plasma Metabolomics and Composition. PLoS ONE, 2014, 9, e113769.	2.5	59
60	Perspectives of Employing Mesenchymal Stem Cells from the Wharton's Jelly of the Umbilical Cord for Peripheral Nerve Repair. International Review of Neurobiology, 2013, 108, 79-120.	2.0	26
61	Studies on the biocompatibility of bacterial cellulose. Journal of Bioactive and Compatible Polymers, 2013, 28, 97-112.	2.1	59
62	Rolipram promotes functional recovery after contusive thoracic spinal cord injury in rats. Behavioural Brain Research, 2013, 243, 66-73.	2.2	48
63	Biological evaluation of alginate-based hydrogels, with antimicrobial features by Ce(III) incorporation, as vehicles for a bone substitute. Journal of Materials Science: Materials in Medicine, 2013, 24, 2145-2155.	3.6	40
64	Preparation of inorganic-organic hybrid membrane for peripheral nerve reconstruction. Additional Conferences (Device Packaging HiTEC HiTEN & CICMT), 2013, 2013, 000173-000176.	0.2	0
65	A glass-reinforced hydroxyapatite and surgical-grade calcium sulfate for bone regeneration: <i>in vivo</i> biological behavior in a sheep model. Journal of Biomaterials Applications, 2012, 27, 201-217.	2.4	18
66	KINEMATICS ANALYSIS OF RAT'S HINDLIMB. Journal of Biomechanics, 2012, 45, S8.	2.1	0
67	Use of poly(DL-lactide- ϵ -caprolactone) membranes and mesenchymal stem cells from the Wharton's jelly of the umbilical cord for promoting nerve regeneration in axonotmesis: In vitro and in vivo analysis. Differentiation, 2012, 84, 355-365.	1.9	62
68	Use of hybrid chitosan membranes and human mesenchymal stem cells from the Wharton jelly of umbilical cord for promoting nerve regeneration in an axonotmesis rat model. Neural Regeneration Research, 2012, 7, 2247-58.	3.0	27
69	The sensitivity of two-dimensional hindlimb joint kinematics analysis in assessing functional recovery in rats after sciatic nerve crush. Behavioural Brain Research, 2011, 225, 562-573.	2.2	21
70	Characterization and preliminary <i>in vivo</i> evaluation of a novel modified hydroxyapatite produced by extrusion and spheronization techniques. Journal of Biomedical Materials Research - Part B Applied Biomaterials, 2011, 99B, 170-179.	3.4	25
71	Anatomical reference frame versus planar analysis: implications for the kinematics of the rat hindlimb during locomotion. Reviews in the Neurosciences, 2011, 22, 241.	2.9	0
72	Effects of collagen membranes enriched with in vitro-differentiated N1E-115 cells on rat sciatic nerve regeneration after end-to-end repair. Journal of NeuroEngineering and Rehabilitation, 2010, 7, 7.	4.6	41

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73	The Effect of Gait Speed on Three-Dimensional Analysis of Hindlimb Kinematics during Treadmill Locomotion in Rats. <i>Reviews in the Neurosciences</i> , 2010, 21, 487-97.	2.9	7
74	Anatomical Reference Frame versus Planar Analysis: Implications for the Kinematics of the Rat Hindlimb during Locomotion. <i>Reviews in the Neurosciences</i> , 2010, 21, .	2.9	8
75	Use of chitosan scaffolds for repairing rat sciatic nerve defects. <i>Italian Journal of Anatomy and Embryology</i> , 2010, 115, 190-210.	0.1	14
76	Anatomical reference frame versus planar analysis: implications for the kinematics of the rat hindlimb during locomotion. <i>Reviews in the Neurosciences</i> , 2010, 21, 469-85.	2.9	6
77	Methylprednisolone fails to improve functional and histological outcome following spinal cord injury in rats. <i>Experimental Neurology</i> , 2009, 220, 71-81.	4.1	58
78	Chapter 7 Methods and Protocols in Peripheral Nerve Regeneration Experimental Research. <i>International Review of Neurobiology</i> , 2009, 87, 127-139.	2.0	35
79	Use of hybrid chitosan membranes and N1E-115 cells for promoting nerve regeneration in an axonotmesis rat model. <i>Biomaterials</i> , 2008, 29, 4409-4419.	11.4	115
80	Neural cell transplantation effects on sciatic nerve regeneration after a standardized crush injury in the rat. <i>Microsurgery</i> , 2008, 28, 458-470.	1.3	30
81	A comparison of two-dimensional and three-dimensional techniques for the determination of hindlimb kinematics during treadmill locomotion in rats following spinal cord injury. <i>Journal of Neuroscience Methods</i> , 2008, 173, 193-200.	2.5	44
82	Molecular and Functional Characterization of CBAVD-Causing Mutations Located in CFTR Nucleotide-Binding Domains. <i>Cellular Physiology and Biochemistry</i> , 2008, 22, 079-092.	1.6	8
83	Jaw avascular osteonecrosis after treatment of multiple myeloma with zoledronate. <i>Journal of Plastic, Reconstructive and Aesthetic Surgery</i> , 2008, 61, 99-106.	1.0	16
84	Use of PLGA 90:10 Scaffolds Enriched with In Vitro Differentiated Neural Cells for Repairing Rat Sciatic Nerve Defects. <i>Tissue Engineering - Part A</i> , 2008, 14, 979-993.	3.1	44
85	A Clinical Report of Bone Regeneration in Maxillofacial Surgery using Bonelike [®] Synthetic Bone Graft. <i>Journal of Biomaterials Applications</i> , 2008, 22, 373-385.	2.4	26
86	Hybrid Chitosan Membranes Tested in Sheep for Guided Tissue Regeneration. <i>Key Engineering Materials</i> , 2007, 361-363, 1265-1268.	0.4	4
87	PLGA 90/10 and caprolactone biodegradable nerve guides for the reconstruction of the rat sciatic nerve. <i>Microsurgery</i> , 2007, 27, 125-137.	1.3	66
88	Long-term functional and morphological assessment of a standardized rat sciatic nerve crush injury with a non-serrated clamp. <i>Journal of Neuroscience Methods</i> , 2007, 163, 92-104.	2.5	97
89	Maxilla osseus sequestre and oral exposure: effects of the treatment of multiple myeloma with bisphosphonates. <i>Acta Medica Portuguesa</i> , 2007, 20, 185-92.	0.4	1
90	A comparison analysis of hindlimb kinematics during overground and treadmill locomotion in rats. <i>Behavioural Brain Research</i> , 2006, 172, 212-218.	2.2	61

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91	Modifications to Improve the Efficiency of Zona-Free Mouse Nuclear Transfer. Cloning and Stem Cells, 2006, 8, 10-15.	2.6	15
92	Titanium dental implants coated with Bonelike [®] : Clinical case report. Thin Solid Films, 2006, 515, 279-284.	1.8	16
93	Assessment of Bonelike [®] graft with a resorbable matrix using an animal model. Thin Solid Films, 2006, 515, 362-367.	1.8	13
94	Effect of skin movement on the analysis of hindlimb kinematics during treadmill locomotion in rats. Journal of Neuroscience Methods, 2006, 153, 55-61.	2.5	77
95	Effect of Zona Pellucida Removal on DNA Methylation in Early Mouse Embryos ¹ . Biology of Reproduction, 2006, 74, 307-313.	2.7	32
96	Assessment of the Potential of Bonelike [®] Graft for Bone Regeneration by Using an Animal Model. Key Engineering Materials, 2005, 284-286, 877-880.	0.4	9
97	Development of a Zona-Free Method of Nuclear Transfer in the Mouse. Cloning and Stem Cells, 2005, 7, 126-138.	2.6	28
98	Determination of the intracellular Ca ²⁺ concentration in the N1E-115 neuronal cell line in perspective of its use for peripheric nerve regeneration. Bio-Medical Materials and Engineering, 2005, 15, 455-65.	0.6	5
99	Intracellular Ca ²⁺ concentration in the N1E-115 neuronal cell line and its use for peripheric nerve regeneration. Acta Medica Portuguesa, 2005, 18, 323-8.	0.4	4
100	Deoxycholic acid (DOC) affects the transport properties of distal colon. Pflugers Archiv European Journal of Physiology, 2000, 439, 532-540.	2.8	24
101	Activation of ionic channels by deoxycholate in frog and human cell lines. Experimental Physiology, 1999, 84, 489-499.	2.0	5
102	Nerve Regeneration by Using of Chitosan-Silicate Hybrid Porous Membranes. Key Engineering Materials, 0, 529-530, 361-364.	0.4	1
103	Activity-Based Strategies in the Rehabilitation of Peripheral Nerve Injuries. , 0, , .		3
104	Clinical Application of Macroporous Ceramic to Promote Bone Healing in Veterinary Clinical Cases. , 0, , .		1
105	Biomaterials and Cellular Systems at the Forefront of Peripheral Nerve Regeneration. , 0, , .		3
106	Production, Characterisation, and In Vitro Evaluation of 3D Printed PCL/HANp/PEGDA Scaffold for Bone Regeneration. , 0, , .		0