

Froilán Granero-Moltó³

List of Publications by Year in descending order

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Version: 2024-02-01

34
papers

1,713
citations

471371

17
h-index

454834

30
g-index

36
all docs

36
docs citations

36
times ranked

2960
citing authors

#	ARTICLE	IF	CITATIONS
1	Regenerative Effects of Transplanted Mesenchymal Stem Cells in Fracture Healing. <i>Stem Cells</i> , 2009, 27, 1887-1898.	1.4	460
2	Intra-articular injection of two different doses of autologous bone marrow mesenchymal stem cells versus hyaluronic acid in the treatment of knee osteoarthritis: multicenter randomized controlled clinical trial (phase I/II). <i>Journal of Translational Medicine</i> , 2016, 14, 246.	1.8	238
3	TGF- β 2 signaling is essential for joint morphogenesis. <i>Journal of Cell Biology</i> , 2007, 177, 1105-1117.	2.3	155
4	Role of mesenchymal stem cells in regenerative medicine: application to bone and cartilage repair. <i>Expert Opinion on Biological Therapy</i> , 2008, 8, 255-268.	1.4	149
5	Intra-articular injection of two different doses of autologous bone marrow mesenchymal stem cells versus hyaluronic acid in the treatment of knee osteoarthritis: long-term follow up of a multicenter randomized controlled clinical trial (phase I/II). <i>Journal of Translational Medicine</i> , 2018, 16, 213.	1.8	97
6	Mesenchymal stem cells at the intersection of cell and gene therapy. <i>Expert Opinion on Biological Therapy</i> , 2010, 10, 1663-1679.	1.4	88
7	Mesenchymal Stem Cells Expressing Insulin-like Growth Factor-I (MSCIGF) Promote Fracture Healing and Restore New Bone Formation in <i>Irs1</i> Knockout Mice: Analyses of MSCIGF Autocrine and Paracrine Regenerative Effects. <i>Stem Cells</i> , 2011, 29, 1537-1548.	1.4	79
8	Combination of Intra-Articular and Intraosseous Injections of Platelet Rich Plasma for Severe Knee Osteoarthritis: A Pilot Study. <i>BioMed Research International</i> , 2016, 2016, 1-10.	0.9	55
9	Phase II multicenter randomized controlled clinical trial on the efficacy of intra-articular injection of autologous bone marrow mesenchymal stem cells with platelet rich plasma for the treatment of knee osteoarthritis. <i>Journal of Translational Medicine</i> , 2020, 18, 356.	1.8	48
10	Culture of human bone marrow-derived mesenchymal stem cells on of poly(L-lactic acid) scaffolds: potential application for the tissue engineering of cartilage. <i>Knee Surgery, Sports Traumatology, Arthroscopy</i> , 2013, 21, 1737-1750.	2.3	41
11	Tissue Mimicry in Morphology and Composition Promotes Hierarchical Matrix Remodeling of Invading Stem Cells in Osteochondral and Meniscus Scaffolds. <i>Advanced Materials</i> , 2018, 30, e1706754.	11.1	37
12	Goodpasture Antigen-binding Protein Is a Soluble Exportable Protein That Interacts with Type IV Collagen. <i>Journal of Biological Chemistry</i> , 2008, 283, 30246-30255.	1.6	26
13	Goodpasture Antigen-binding Protein and Its Spliced Variant, Ceramide Transfer Protein, Have Different Functions in the Modulation of Apoptosis during Zebrafish Development. <i>Journal of Biological Chemistry</i> , 2008, 283, 20495-20504.	1.6	26
14	Hypoxia and Reactive Oxygen Species Homeostasis in Mesenchymal Progenitor Cells Define a Molecular Mechanism for Fracture Nonunion. <i>Stem Cells</i> , 2016, 34, 2342-2353.	1.4	24
15	Subcellular localization of IRS-1 in IGF-I-mediated chondrogenic proliferation, differentiation and hypertrophy of bone marrow mesenchymal stem cells. <i>Growth Factors</i> , 2009, 27, 309-320.	0.5	22
16	Systemically delivered insulin-like growth factor-I enhances mesenchymal stem cell-dependent fracture healing. <i>Growth Factors</i> , 2012, 30, 230-241.	0.5	22
17	Modulation of Synovial Fluid-Derived Mesenchymal Stem Cells by Intra-Articular and Intraosseous Platelet Rich Plasma Administration. <i>Stem Cells International</i> , 2016, 2016, 1-10.	1.2	20
18	Use of glycol chitosan modified by 5 β -cholic acid nanoparticles for the sustained release of proteins during murine embryonic limb skeletogenesis. <i>Journal of Controlled Release</i> , 2010, 144, 101-108.	4.8	19

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19	A finite element inverse analysis to assess functional improvement during the fracture healing process. <i>Journal of Biomechanics</i> , 2010, 43, 557-562.	0.9	18
20	Anisotropic Cryostructured Collagen Scaffolds for Efficient Delivery of RhBMPâ€“2 and Enhanced Bone Regeneration. <i>Materials</i> , 2019, 12, 3105.	1.3	17
21	Periosteumâ€“derived mesenchymal progenitor cells in engineered implants promote fracture healing in a criticalâ€“size defect rat model. <i>Journal of Tissue Engineering and Regenerative Medicine</i> , 2019, 13, 742-752.	1.3	15
22	Mechanical barriers and transforming growth factor beta inhibitor on epidural fibrosis in a rabbit laminectomy model. <i>Journal of Orthopaedic Surgery and Research</i> , 2018, 13, 72.	0.9	12
23	Effect of bone marrow stromal cells in combination with biomaterials in early phases of distraction osteogenesis: An experimental study in a rabbit femur model. <i>Injury</i> , 2018, 49, 1979-1986.	0.7	10
24	Goodpasture Antigen-binding Protein (GPBP) Directs Myofibril Formation. <i>Journal of Biological Chemistry</i> , 2011, 286, 35030-35043.	1.6	9
25	Comparison of microCT and an inverse finite element approach for biomechanical analysis: Results in a mesenchymal stem cell therapeutic system for fracture healing. <i>Journal of Biomechanics</i> , 2012, 45, 2164-2170.	0.9	7
26	Molecular and Cellular Mechanisms of Delayed Fracture Healing in <i>Mmp10</i> (Stromelysin 2) Knockout Mice. <i>Journal of Bone and Mineral Research</i> , 2021, 36, 2203-2213.	3.1	5
27	The bone marrow niche regulates redox and energy balance in MLL::AF9 leukemia stem cells. <i>Leukemia</i> , 2022, 36, 1969-1979.	3.3	5
28	Autologous bioscaffolds based on different concentrations of platelet rich plasma and synovial fluid as a vehicle for mesenchymal stem cells. <i>Journal of Biomedical Materials Research - Part A</i> , 2018, 106, 377-385.	2.1	3
29	Engineering a Humanised Niche to Support Human Haematopoiesis in Mice: Novel Opportunities in Modelling Cancer. <i>Cancers</i> , 2020, 12, 2205.	1.7	3
30	3D printed bioresorbable scaffolds for articular cartilage tissue engineering: a comparative study between neat polycaprolactone (PCL) and poly(lactide-b-ethylene glycol) (PLA-PEG) block copolymer. <i>Biomedical Materials (Bristol)</i> , 2022, 17, 045028.	1.7	2
31	Autocrine Effects of Mesenchymal Stem Cells Expressing IGF-I Rescue the Fracture-Healing Defects of <i>Irs1</i> Knockout Mice. , 2011, , OR12-5-OR12-5.		1
32	Quantifying mechanical properties in a murine fracture healing system using inverse modeling: preliminary work. <i>Proceedings of SPIE</i> , 2010, , .	0.8	0
33	Quantifying Mechanical Properties in a Murine Fracture Healing System Using an Inverse Geometric Nonlinear Elasticity Modeling Framework. <i>Lecture Notes in Computer Science</i> , 2010, , 29-37.	1.0	0
34	CORR InsightsÂ®: Do Mesenchymal Stromal Cells Influence Microscopic Residual or Metastatic Osteosarcoma in a Murine Model?. <i>Clinical Orthopaedics and Related Research</i> , 2016, 474, 716-718.	0.7	0