# FroilÃ¡n Granero-MoltÃ³

List of Publications by Year
in descending order



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|---|---|---|---|
| 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 | The bone marrow niche regulates redox and energy balance in MLL::AF9 leukemia stem cells. Leukemia, 2022, 36, 1969-1979. | 3.3 | 5 |
| 2 | 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. Biomedical Materials (Bristol), 2022, 17, 045028. | 1.7 | 2 |
| 3 | Molecular and Cellular Mechanisms of Delayed Fracture Healing in Mmp10 (Stromelysin 2) Knockout Mice. Journal of Bone and Mineral Research, 2021, 36, 2203-2213. | 3.1 | 5 |
| 4 | Engineering a Humanised Niche to Support Human Haematopoiesis in Mice: Novel Opportunities in Modelling Cancer. Cancers, 2020, 12, 2205. | 1.7 | 3 |
| 5 | 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. Journal of Translational Medicine, 2020, 18, 356. | 1.8 | 48 |
| 6 | Anisotropic Cryostructured Collagen Scaffolds for Efficient Delivery of RhBMPâ€“2 and Enhanced Bone Regeneration. Materials, 2019, 12, 3105. | 1.3 | 17 |
| 7 | Periosteumâ€derived mesenchymal progenitor cells in engineered implants promote fracture healing in a criticalâ€size defect rat model. Journal of Tissue Engineering and Regenerative Medicine, 2019, 13, 742-752. | 1.3 | 15 |
| 8 | Mechanical barriers and transforming growth factor beta inhibitor on epidural fibrosis in a rabbit laminectomy model. Journal of Orthopaedic Surgery and Research, 2018, 13, 72. | 0.9 | 12 |
| 9 | Autologous bioscaffolds based on different concentrations of platelet rich plasma and synovial fluid as a vehicle for mesenchymal stem cells. Journal of Biomedical Materials Research - Part A, 2018, 106, 377-385. | 2.1 | 3 |
| 10 | Effect of bone marrow stromal cells in combination with biomaterials in early phases of distraction osteogenesis: An experimental study in a rabbit femur model. Injury, 2018, 49, 1979-1986. | 0.7 | 10 |
| 11 | Tissue Mimicry in Morphology and Composition Promotes Hierarchical Matrix Remodeling of Invading Stem Cells in Osteochondral and Meniscus Scaffolds. Advanced Materials, 2018, 30, e1706754. | 11.1 | 37 |
| 12 | 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). Journal of Translational Medicine, 2018, 16, 213. | 1.8 | 97 |
| 13 | Modulation of Synovial Fluid-Derived Mesenchymal Stem Cells by Intra-Articular and Intraosseous Platelet Rich Plasma Administration. Stem Cells International, 2016, 2016, 1-10. | 1.2 | 20 |
| 14 | Combination of Intra-Articular and Intraosseous Injections of Platelet Rich Plasma for Severe Knee Osteoarthritis: A Pilot Study. BioMed Research International, 2016, 2016, 1-10. | 0.9 | 55 |
| 15 | Hypoxia and Reactive Oxygen Species Homeostasis in Mesenchymal Progenitor Cells Define a Molecular Mechanism for Fracture Nonunion. Stem Cells, 2016, 34, 2342-2353. | 1.4 | 24 |
| 16 | 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). Journal of Translational Medicine, 2016, 14, 246. | 1.8 | 238 |
| 17 | CORR InsightsÂ®: Do Mesenchymal Stromal Cells Influence Microscopic Residual or Metastatic Osteosarcoma in a Murine Model?. Clinical Orthopaedics and Related Research, 2016, 474, 716-718. | 0.7 | 0 |
| 18 | Culture of human bone marrow-derived mesenchymal stem cells on of poly(l-lactic acid) scaffolds: potential application for the tissue engineering of cartilage. Knee Surgery, Sports Traumatology, Arthroscopy, 2013, 21, 1737-1750. | 2.3 | 41 |

| # | Article | IF | Citations |
|---|---|---|---|
| 19 | Comparison of microCT and an inverse finite element approach for biomechanical analysis: Results in a mesenchymal stem cell therapeutic system for fracture healing. Journal of Biomechanics, 2012, 45, 2164-2170. | 0.9 | 7 |
| 20 | Systemically delivered insulin-like growth factor-I enhances mesenchymal stem cell-dependent fracture healing. Growth Factors, 2012, 30, 230-241. | 0.5 | 22 |
| 21 | Goodpasture Antigen-binding Protein (GPBP) Directs Myofibril Formation. Journal of Biological Chemistry, 2011, 286, 35030-35043. | 1.6 | 9 |
| 22 | Mesenchymal Stem Cells Expressing Insulin-like Growth Factor-I (MSCIGF) Promote Fracture Healing and Restore New Bone Formation in Irs1 Knockout Mice: Analyses of MSCIGF Autocrine and Paracrine Regenerative Effects. Stem Cells, 2011, 29, 1537-1548. | 1.4 | 79 |
| 23 | Autocrine Effects of Mesenchymal Stem Cells Expressing IGF-I Rescue the Fracture-Healing Defects of Irs1 Knockout Mice. , 2011, , OR12-5-OR12-5. | | 1 |
| 24 | Quantifying mechanical properties in a murine fracture healing system using inverse modeling: preliminary work. Proceedings of SPIE, 2010, , . | 0.8 | 0 |
| 25 | Mesenchymal stem cells at the intersection of cell and gene therapy. Expert Opinion on Biological Therapy, 2010, 10, 1663-1679. | 1.4 | 88 |
| 26 | Use of glycol chitosan modified by 5Î²-cholanic acid nanoparticles for the sustained release of proteins during murine embryonic limb skeletogenesis. Journal of Controlled Release, 2010, 144, 101-108. | 4.8 | 19 |
| 27 | A finite element inverse analysis to assess functional improvement during the fracture healing process. Journal of Biomechanics, 2010, 43, 557-562. | 0.9 | 18 |
| 28 | Quantifying Mechanical Properties in a Murine Fracture Healing System Using an Inverse Geometric Nonlinear Elasticity Modeling Framework. Lecture Notes in Computer Science, 2010, , 29-37. | 1.0 | 0 |
| 29 | Subcellular localization of IRS-1 in IGF-I-mediated chondrogenic proliferation, differentiation and hypertrophy of bone marrow mesenchymal stem cells. Growth Factors, 2009, 27, 309-320. | 0.5 | 22 |
| 30 | Regenerative Effects of Transplanted Mesenchymal Stem Cells in Fracture Healing. Stem Cells, 2009, 27, 1887-1898. | 1.4 | 460 |
| 31 | Role of mesenchymal stem cells in regenerative medicine: application to bone and cartilage repair. Expert Opinion on Biological Therapy, 2008, 8, 255-268. | 1.4 | 149 |
| 32 | Goodpasture Antigen-binding Protein Is a Soluble Exportable Protein That Interacts with Type IV Collagen. Journal of Biological Chemistry, 2008, 283, 30246-30255. | 1.6 | 26 |
| 33 | Goodpasture Antigen-binding Protein and Its Spliced Variant, Ceramide Transfer Protein, Have Different Functions in the Modulation of Apoptosis during Zebrafish Development. Journal of Biological Chemistry, 2008, 283, 20495-20504. | 1.6 | 26 |
| 34 | TGF-Î² signaling is essential for joint morphogenesis. Journal of Cell Biology, 2007, 177, 1105-1117. | 2.3 | 155 |