

Susana Gomes Santos

List of Publications by Year in descending order

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Version: 2024-02-01

57
papers

2,953
citations

185998

28
h-index

182168

51
g-index

57
all docs

57
docs citations

57
times ranked

5499
citing authors

| # | ARTICLE | IF | CITATIONS |
|----|--|-----|-----------|
| 1 | Mesenchymal Stromal Cell Secretome: Influencing Therapeutic Potential by Cellular Pre-conditioning. <i>Frontiers in Immunology</i> , 2018, 9, 2837. | 2.2 | 350 |
| 2 | The kinases MSK1 and MSK2 act as negative regulators of Toll-like receptor signaling. <i>Nature Immunology</i> , 2008, 9, 1028-1036. | 7.0 | 297 |
| 3 | Ionizing radiation modulates human macrophages towards a pro-inflammatory phenotype preserving their pro-invasive and pro-angiogenic capacities. <i>Scientific Reports</i> , 2016, 6, 18765. | 1.6 | 139 |
| 4 | Chitosan drives anti-inflammatory macrophage polarisation and pro-inflammatory dendritic cell stimulation. , 2012, 24, 136-153. | | 125 |
| 5 | TNF-alpha-induced microglia activation requires miR-342: impact on NF-kB signaling and neurotoxicity. <i>Cell Death and Disease</i> , 2020, 11, 415. | 2.7 | 108 |
| 6 | Open conformers: the hidden face of MHC-I molecules. <i>Trends in Immunology</i> , 2007, 28, 115-123. | 2.9 | 96 |
| 7 | The two faces of metal ions: From implants rejection to tissue repair/regeneration. <i>Biomaterials</i> , 2016, 84, 262-275. | 5.7 | 95 |
| 8 | Injectable MMP-Sensitive Alginate Hydrogels as hMSC Delivery Systems. <i>Biomacromolecules</i> , 2014, 15, 380-390. | 2.6 | 93 |
| 9 | Bridging Autism Spectrum Disorders and Schizophrenia through inflammation and biomarkers - pre-clinical and clinical investigations. <i>Journal of Neuroinflammation</i> , 2017, 14, 179. | 3.1 | 92 |
| 10 | Extracellular Vesicles: Immunomodulatory messengers in the context of tissue repair/regeneration. <i>European Journal of Pharmaceutical Sciences</i> , 2017, 98, 86-95. | 1.9 | 87 |
| 11 | Extracellular vesicles: intelligent delivery strategies for therapeutic applications. <i>Journal of Controlled Release</i> , 2018, 289, 56-69. | 4.8 | 85 |
| 12 | miR-195 in human primary mesenchymal stromal/stem cells regulates proliferation, osteogenesis and paracrine effect on angiogenesis. <i>Oncotarget</i> , 2016, 7, 7-22. | 0.8 | 83 |
| 13 | Long noncoding RNAs: a missing link in osteoporosis. <i>Bone Research</i> , 2019, 7, 10. | 5.4 | 77 |
| 14 | Cross Talk between the Akt and p38 β Pathways in Macrophages Downstream of Toll-Like Receptor Signaling. <i>Molecular and Cellular Biology</i> , 2013, 33, 4152-4165. | 1.1 | 74 |
| 15 | Novel MHC Class I Structures on Exosomes. <i>Journal of Immunology</i> , 2009, 183, 1884-1891. | 0.4 | 68 |
| 16 | Dendritic Cell-derived Extracellular Vesicles mediate Mesenchymal Stem/Stromal Cell recruitment. <i>Scientific Reports</i> , 2017, 7, 1667. | 1.6 | 62 |
| 17 | Targeted macrophages delivery of rifampicin-loaded lipid nanoparticles to improve tuberculosis treatment. <i>Nanomedicine</i> , 2017, 12, 2721-2736. | 1.7 | 60 |
| 18 | Misfolding of Major Histocompatibility Complex Class I Molecules in Activated T Cells Allows cis-Interactions with Receptors and Signaling Molecules and Is Associated with Tyrosine Phosphorylation. <i>Journal of Biological Chemistry</i> , 2004, 279, 53062-53070. | 1.6 | 56 |

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|----|---|-----|-----------|
| 19 | Fibrinogen scaffolds with immunomodulatory properties promote in vivo bone regeneration. <i>Biomaterials</i> , 2016, 111, 163-178. | 5.7 | 54 |
| 20 | Macrophages Down-Regulate Gene Expression of Intervertebral Disc Degenerative Markers Under a Pro-inflammatory Microenvironment. <i>Frontiers in Immunology</i> , 2019, 10, 1508. | 2.2 | 50 |
| 21 | miR-195 inhibits macrophages pro-inflammatory profile and impacts the crosstalk with smooth muscle cells. <i>PLoS ONE</i> , 2017, 12, e0188530. | 1.1 | 49 |
| 22 | Adsorbed fibrinogen leads to improved bone regeneration and correlates with differences in the systemic immune response. <i>Acta Biomaterialia</i> , 2013, 9, 7209-7217. | 4.1 | 46 |
| 23 | Pro-inflammatory chitosan/poly(β -glutamic acid) nanoparticles modulate human antigen-presenting cells phenotype and revert their pro-invasive capacity. <i>Acta Biomaterialia</i> , 2017, 63, 96-109. | 4.1 | 45 |
| 24 | Major Histocompatibility Complex Class I-ERp57-Tapasin Interactions within the Peptide-loading Complex. <i>Journal of Biological Chemistry</i> , 2007, 282, 17587-17593. | 1.6 | 42 |
| 25 | Fibrinogen and magnesium combination biomaterials modulate macrophage phenotype, NF- κ B signaling and crosstalk with mesenchymal stem/stromal cells. <i>Acta Biomaterialia</i> , 2020, 114, 471-484. | 4.1 | 42 |
| 26 | Endoplasmic Reticulum Degradation-Enhancing β -Mannosidase-like Protein 1 Targets Misfolded HLA-B27 Dimers for Endoplasmic Reticulum-Associated Degradation. <i>Arthritis and Rheumatology</i> , 2014, 66, 2976-2988. | 2.9 | 33 |
| 27 | Genetically Engineered-MSC Therapies for Non-unions, Delayed Unions and Critical-size Bone Defects. <i>International Journal of Molecular Sciences</i> , 2019, 20, 3430. | 1.8 | 32 |
| 28 | Chitosan/poly(β -glutamic acid) nanoparticles incorporating IFN- β for immune response modulation in the context of colorectal cancer. <i>Biomaterials Science</i> , 2019, 7, 3386-3403. | 2.6 | 32 |
| 29 | Systemic Delivery of Bone Marrow Mesenchymal Stem Cells for In Situ Intervertebral Disc Regeneration. <i>Stem Cells Translational Medicine</i> , 2017, 6, 1029-1039. | 1.6 | 31 |
| 30 | Nanostructured lipid carriers loaded with resveratrol modulate human dendritic cells. <i>International Journal of Nanomedicine</i> , 2016, Volume 11, 3501-3516. | 3.3 | 29 |
| 31 | Induction of HLA-B27 heavy chain homodimer formation after activation in dendritic cells. <i>Arthritis Research and Therapy</i> , 2008, 10, R100. | 1.6 | 27 |
| 32 | Circulating extracellular vesicles: Their role in tissue repair and regeneration. <i>Transfusion and Apheresis Science</i> , 2016, 55, 53-61. | 0.5 | 27 |
| 33 | Chitosan porous 3D scaffolds embedded with resolvin D1 to improve in vivo bone healing. <i>Journal of Biomedical Materials Research - Part A</i> , 2018, 106, 1626-1633. | 2.1 | 27 |
| 34 | Novel detection of in vivo HLA-B27 conformations correlates with ankylosing spondylitis association. <i>Arthritis and Rheumatism</i> , 2008, 58, 3419-3424. | 6.7 | 26 |
| 35 | Resveratrol as a Natural Anti-Tumor Necrosis Factor- α Molecule: Implications to Dendritic Cells and Their Crosstalk with Mesenchymal Stromal Cells. <i>PLoS ONE</i> , 2014, 9, e91406. | 1.1 | 25 |
| 36 | The Contribution of Inflammation to Autism Spectrum Disorders: Recent Clinical Evidence. <i>Methods in Molecular Biology</i> , 2019, 2011, 493-510. | 0.4 | 24 |

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|----|---|-----|-----------|
| 37 | Lack of Tyrosine 320 Impairs Spontaneous Endocytosis and Enhances Release of HLA-B27 Molecules. <i>Journal of Immunology</i> , 2006, 176, 2942-2949. | 0.4 | 23 |
| 38 | Matrix metalloproteases as maestros for the dual role of LPS- and IL-10-stimulated macrophages in cancer cell behaviour. <i>BMC Cancer</i> , 2015, 15, 456. | 1.1 | 22 |
| 39 | Adsorbed Fibrinogen stimulates TLR-4 on monocytes and induces BMP-2 expression. <i>Acta Biomaterialia</i> , 2017, 49, 296-305. | 4.1 | 22 |
| 40 | miR-99a in bone homeostasis: Regulating osteogenic lineage commitment and osteoclast differentiation. <i>Bone</i> , 2020, 134, 115303. | 1.4 | 22 |
| 41 | Stress-induced depressive-like behavior in male rats is associated with microglial activation and inflammation dysregulation in the hippocampus in adulthood. <i>Brain, Behavior, and Immunity</i> , 2022, 99, 397-408. | 2.0 | 21 |
| 42 | Fibrinogen promotes resorption of chitosan by human osteoclasts. <i>Acta Biomaterialia</i> , 2013, 9, 6553-6562. | 4.1 | 15 |
| 43 | Lipid nanoparticles biocompatibility and cellular uptake in a 3D human lung model. <i>Nanomedicine</i> , 2020, 15, 259-271. | 1.7 | 15 |
| 44 | 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. | 1.8 | 15 |
| 45 | Advances in carbon nanomaterials for immunotherapy. <i>Applied Materials Today</i> , 2022, 27, 101397. | 2.3 | 15 |
| 46 | ERp57 interacts with conserved cysteine residues in the MHC class I peptide-binding groove. <i>FEBS Letters</i> , 2007, 581, 1988-1992. | 1.3 | 14 |
| 47 | Peripheral Biomarkers of Inflammation in Depression: Evidence from Animal Models and Clinical Studies. <i>Methods in Molecular Biology</i> , 2019, 2011, 467-492. | 0.4 | 11 |
| 48 | 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. | 1.8 | 11 |
| 49 | Optimization of Rifapentine-Loaded Lipid Nanoparticles Using a Quality-by-Design Strategy. <i>Pharmaceutics</i> , 2020, 12, 75. | 2.0 | 11 |
| 50 | Profiling the circulating miRnome reveals a temporal regulation of the bone injury response. <i>Theranostics</i> , 2018, 8, 3902-3917. | 4.6 | 9 |
| 51 | Biochemical Features of HLA-B27 and Antigen Processing. <i>Advances in Experimental Medicine and Biology</i> , 2009, 649, 210-216. | 0.8 | 8 |
| 52 | Osteoclasts degrade fibrinogen scaffolds and induce mesenchymal stem/stromal osteogenic differentiation. <i>Journal of Biomedical Materials Research - Part A</i> , 2020, 108, 851-862. | 2.1 | 8 |
| 53 | A bioinspired multifunctional hydrogel patch targeting inflammation and regeneration in chronic intestinal wounds. <i>Biomaterials Science</i> , 2021, 9, 6510-6527. | 2.6 | 8 |
| 54 | Articular Repair/Regeneration in Healthy and Inflammatory Conditions: From Advanced In Vitro to In Vivo Models. <i>Advanced Functional Materials</i> , 2020, 30, 1909523. | 7.8 | 7 |

| # | ARTICLE | IF | CITATIONS |
|----|--|-----|-----------|
| 55 | Therapeutic Strategies for IVD Regeneration through Hyaluronan/SDF-1-Based Hydrogel and Intravenous Administration of MSCs. International Journal of Molecular Sciences, 2021, 22, 9609. | 1.8 | 7 |
| 56 | Integrated Analysis of Biological Samples by Imaging Flow Cytometry. Microscopy and Microanalysis, 2015, 21, 95-96. | 0.2 | 1 |
| 57 | The Impact of Environmental Signals on the Growth and Survival of Human T Cells. , 2005, , 1-32. | | 0 |