

# Susana Gomes Santos

## List of Publications by Year in descending order

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57  
papers

2,953  
citations

186265

28  
h-index

182427

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.	4.8	350
2	The kinases MSK1 and MSK2 act as negative regulators of Toll-like receptor signaling. <i>Nature Immunology</i> , 2008, 9, 1028-1036.	14.5	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.	3.3	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.	6.3	108
6	Open conformers: the hidden face of MHC-I molecules. <i>Trends in Immunology</i> , 2007, 28, 115-123.	6.8	96
7	The two faces of metal ions: From implants rejection to tissue repair/regeneration. <i>Biomaterials</i> , 2016, 84, 262-275.	11.4	95
8	Injectable MMP-Sensitive Alginate Hydrogels as hMSC Delivery Systems. <i>Biomacromolecules</i> , 2014, 15, 380-390.	5.4	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.	7.2	92
10	Extracellular Vesicles: Immunomodulatory messengers in the context of tissue repair/regeneration. <i>European Journal of Pharmaceutical Sciences</i> , 2017, 98, 86-95.	4.0	87
11	Extracellular vesicles: intelligent delivery strategies for therapeutic applications. <i>Journal of Controlled Release</i> , 2018, 289, 56-69.	9.9	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.	1.8	83
13	Long noncoding RNAs: a missing link in osteoporosis. <i>Bone Research</i> , 2019, 7, 10.	11.4	77
14	Cross Talk between the Akt and p38 $\beta$ Pathways in Macrophages Downstream of Toll-Like Receptor Signaling. <i>Molecular and Cellular Biology</i> , 2013, 33, 4152-4165.	2.3	74
15	Novel MHC Class I Structures on Exosomes. <i>Journal of Immunology</i> , 2009, 183, 1884-1891.	0.8	68
16	Dendritic Cell-derived Extracellular Vesicles mediate Mesenchymal Stem/Stromal Cell recruitment. <i>Scientific Reports</i> , 2017, 7, 1667.	3.3	62
17	Targeted macrophages delivery of rifampicin-loaded lipid nanoparticles to improve tuberculosis treatment. <i>Nanomedicine</i> , 2017, 12, 2721-2736.	3.3	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.	3.4	56

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19	Fibrinogen scaffolds with immunomodulatory properties promote in vivo bone regeneration. <i>Biomaterials</i> , 2016, 111, 163-178.	11.4	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.	4.8	50
21	miR-195 inhibits macrophages pro-inflammatory profile and impacts the crosstalk with smooth muscle cells. <i>PLoS ONE</i> , 2017, 12, e0188530.	2.5	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.	8.3	46
23	Pro-inflammatory chitosan/poly( $\beta$ -glutamic acid) nanoparticles modulate human antigen-presenting cells phenotype and revert their pro-invasive capacity. <i>Acta Biomaterialia</i> , 2017, 63, 96-109.	8.3	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.	3.4	42
25	Fibrinogen and magnesium combination biomaterials modulate macrophage phenotype, NF- $\kappa$ B signaling and crosstalk with mesenchymal stem/stromal cells. <i>Acta Biomaterialia</i> , 2020, 114, 471-484.	8.3	42
26	Endoplasmic Reticulum Degradation-Enhancing $\beta$ -Mannosidase-like Protein 1 Targets Misfolded HLA-B27 Dimers for Endoplasmic Reticulum-Associated Degradation. <i>Arthritis and Rheumatology</i> , 2014, 66, 2976-2988.	5.6	33
27	Genetically Engineered-MS-C Therapies for Non-unions, Delayed Unions and Critical-size Bone Defects. <i>International Journal of Molecular Sciences</i> , 2019, 20, 3430.	4.1	32
28	Chitosan/poly( $\beta$ -glutamic acid) nanoparticles incorporating IFN- $\beta$ for immune response modulation in the context of colorectal cancer. <i>Biomaterials Science</i> , 2019, 7, 3386-3403.	5.4	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.	3.3	31
30	Nanostructured lipid carriers loaded with resveratrol modulate human dendritic cells. <i>International Journal of Nanomedicine</i> , 2016, Volume 11, 3501-3516.	6.7	29
31	Induction of HLA-B27 heavy chain homodimer formation after activation in dendritic cells. <i>Arthritis Research and Therapy</i> , 2008, 10, R100.	3.5	27
32	Circulating extracellular vesicles: Their role in tissue repair and regeneration. <i>Transfusion and Apheresis Science</i> , 2016, 55, 53-61.	1.0	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.	4.0	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- $\alpha$ Molecule: Implications to Dendritic Cells and Their Crosstalk with Mesenchymal Stromal Cells. <i>PLoS ONE</i> , 2014, 9, e91406.	2.5	25
36	The Contribution of Inflammation to Autism Spectrum Disorders: Recent Clinical Evidence. <i>Methods in Molecular Biology</i> , 2019, 2011, 493-510.	0.9	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.	0.8	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.	2.6	22
39	Adsorbed Fibrinogen stimulates TLR-4 on monocytes and induces BMP-2 expression. <i>Acta Biomaterialia</i> , 2017, 49, 296-305.	8.3	22
40	miR-99a in bone homeostasis: Regulating osteogenic lineage commitment and osteoclast differentiation. <i>Bone</i> , 2020, 134, 115303.	2.9	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.	4.1	21
42	Fibrinogen promotes resorption of chitosan by human osteoclasts. <i>Acta Biomaterialia</i> , 2013, 9, 6553-6562.	8.3	15
43	Lipid nanoparticles biocompatibility and cellular uptake in a 3D human lung model. <i>Nanomedicine</i> , 2020, 15, 259-271.	3.3	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.	4.1	15
45	Advances in carbon nanomaterials for immunotherapy. <i>Applied Materials Today</i> , 2022, 27, 101397.	4.3	15
46	ERp57 interacts with conserved cysteine residues in the MHC class I peptide-binding groove. <i>FEBS Letters</i> , 2007, 581, 1988-1992.	2.8	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.	0.9	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.	4.1	11
49	Optimization of Rifapentine-Loaded Lipid Nanoparticles Using a Quality-by-Design Strategy. <i>Pharmaceutics</i> , 2020, 12, 75.	4.5	11
50	Profiling the circulating miRnome reveals a temporal regulation of the bone injury response. <i>Theranostics</i> , 2018, 8, 3902-3917.	10.0	9
51	Biochemical Features of HLA-B27 and Antigen Processing. <i>Advances in Experimental Medicine and Biology</i> , 2009, 649, 210-216.	1.6	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.	4.0	8
53	A bioinspired multifunctional hydrogel patch targeting inflammation and regeneration in chronic intestinal wounds. <i>Biomaterials Science</i> , 2021, 9, 6510-6527.	5.4	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.	14.9	7

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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.	4.1	7
56	Integrated Analysis of Biological Samples by Imaging Flow Cytometry. Microscopy and Microanalysis, 2015, 21, 95-96.	0.4	1
57	The Impact of Environmental Signals on the Growth and Survival of Human T Cells. , 2005, , 1-32.		0