

# Susana Gomes Santos

## List of Publications by Year in Descending Order

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The third column is the impact factor (IF) of the journal, and the fourth column is the number of citations of the article.

56  
papers

2,065  
citations

25  
h-index

45  
g-index

57  
ext. papers

2,551  
ext. citations

7.3  
avg, IF

4.9  
L-index

#	Paper	IF	Citations
56	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> , <b>2022</b> , 99, 397-408	16.6	3
55	Advances in carbon nanomaterials for immunotherapy. <i>Applied Materials Today</i> , <b>2022</b> , 27, 101397	6.6	2
54	A bioinspired multifunctional hydrogel patch targeting inflammation and regeneration in chronic intestinal wounds. <i>Biomaterials Science</i> , <b>2021</b> , 9, 6510-6527	7.4	1
53	TNF-alpha-induced microglia activation requires miR-342: impact on NF-kB signaling and neurotoxicity. <i>Cell Death and Disease</i> , <b>2020</b> , 11, 415	9.8	36
52	Modulation of the In Vivo Inflammatory Response by Pro- Versus Anti-Inflammatory Intervertebral Disc Treatments. <i>International Journal of Molecular Sciences</i> , <b>2020</b> , 21,	6.3	8
51	Articular Repair/Regeneration in Healthy and Inflammatory Conditions: From Advanced In Vitro to In Vivo Models. <i>Advanced Functional Materials</i> , <b>2020</b> , 30, 1909523	15.6	1
50	miR-99a in bone homeostasis: Regulating osteogenic lineage commitment and osteoclast differentiation. <i>Bone</i> , <b>2020</b> , 134, 115303	4.7	9
49	Optimization of Rifapentine-Loaded Lipid Nanoparticles Using a Quality-by-Design Strategy. <i>Pharmaceutics</i> , <b>2020</b> , 12,	6.4	7
48	Osteoclasts degrade fibrinogen scaffolds and induce mesenchymal stem/stromal osteogenic differentiation. <i>Journal of Biomedical Materials Research - Part A</i> , <b>2020</b> , 108, 851-862	5.4	2
47	Lipid nanoparticles biocompatibility and cellular uptake in a 3D human lung model. <i>Nanomedicine</i> , <b>2020</b> , 15, 259-271	5.6	8
46	Fibrinogen and magnesium combination biomaterials modulate macrophage phenotype, NF-kB signaling and crosstalk with mesenchymal stem/stromal cells. <i>Acta Biomaterialia</i> , <b>2020</b> , 114, 471-484	10.8	18
45	Chitosan/poly(L-glutamic acid) nanoparticles incorporating IFN- $\gamma$ for immune response modulation in the context of colorectal cancer. <i>Biomaterials Science</i> , <b>2019</b> , 7, 3386-3403	7.4	21
44	Long noncoding RNAs: a missing link in osteoporosis. <i>Bone Research</i> , <b>2019</b> , 7, 10	13.3	41
43	Macrophages Down-Regulate Gene Expression of Intervertebral Disc Degenerative Markers Under a Pro-inflammatory Microenvironment. <i>Frontiers in Immunology</i> , <b>2019</b> , 10, 1508	8.4	17
42	Genetically Engineered-MSC Therapies for Non-unions, Delayed Unions and Critical-size Bone Defects. <i>International Journal of Molecular Sciences</i> , <b>2019</b> , 20,	6.3	17
41	The Contribution of Inflammation to Autism Spectrum Disorders: Recent Clinical Evidence. <i>Methods in Molecular Biology</i> , <b>2019</b> , 2011, 493-510	1.4	15
40	Peripheral Biomarkers of Inflammation in Depression: Evidence from Animal Models and Clinical Studies. <i>Methods in Molecular Biology</i> , <b>2019</b> , 2011, 467-492	1.4	5

39	The Systemic Immune Response to Collagen-Induced Arthritis and the Impact of Bone Injury in Inflammatory Conditions. <i>International Journal of Molecular Sciences</i> , <b>2019</b> , 20,	6.3	4
38	Chitosan porous 3D scaffolds embedded with resolvin D1 to improve in vivo bone healing. <i>Journal of Biomedical Materials Research - Part A</i> , <b>2018</b> , 106, 1626-1633	5.4	15
37	Profiling the circulating miRnome reveals a temporal regulation of the bone injury response. <i>Theranostics</i> , <b>2018</b> , 8, 3902-3917	12.1	8
36	Mesenchymal Stromal Cell Secretome: Influencing Therapeutic Potential by Cellular Pre-conditioning. <i>Frontiers in Immunology</i> , <b>2018</b> , 9, 2837	8.4	203
35	Extracellular vesicles: intelligent delivery strategies for therapeutic applications. <i>Journal of Controlled Release</i> , <b>2018</b> , 289, 56-69	11.7	58
34	Dendritic Cell-derived Extracellular Vesicles mediate Mesenchymal Stem/Stromal Cell recruitment. <i>Scientific Reports</i> , <b>2017</b> , 7, 1667	4.9	41
33	miR-195 inhibits macrophages pro-inflammatory profile and impacts the crosstalk with smooth muscle cells. <i>PLoS ONE</i> , <b>2017</b> , 12, e0188530	3.7	32
32	Bridging Autism Spectrum Disorders and Schizophrenia through inflammation and biomarkers - pre-clinical and clinical investigations. <i>Journal of Neuroinflammation</i> , <b>2017</b> , 14, 179	10.1	72
31	Pro-inflammatory chitosan/poly(L-glutamic acid) nanoparticles modulate human antigen-presenting cells phenotype and revert their pro-invasive capacity. <i>Acta Biomaterialia</i> , <b>2017</b> , 63, 96-109	10.8	30
30	Targeted macrophages delivery of rifampicin-loaded lipid nanoparticles to improve tuberculosis treatment. <i>Nanomedicine</i> , <b>2017</b> , 12, 2721-2736	5.6	38
29	Adsorbed Fibrinogen stimulates TLR-4 on monocytes and induces BMP-2 expression. <i>Acta Biomaterialia</i> , <b>2017</b> , 49, 296-305	10.8	19
28	Systemic Delivery of Bone Marrow Mesenchymal Stem Cells for In Situ Intervertebral Disc Regeneration. <i>Stem Cells Translational Medicine</i> , <b>2017</b> , 6, 1029-1039	6.9	23
27	Extracellular Vesicles: Immunomodulatory messengers in the context of tissue repair/regeneration. <i>European Journal of Pharmaceutical Sciences</i> , <b>2017</b> , 98, 86-95	5.1	63
26	The two faces of metal ions: From implants rejection to tissue repair/regeneration. <i>Biomaterials</i> , <b>2016</b> , 84, 262-275	15.6	76
25	miR-195 in human primary mesenchymal stromal/stem cells regulates proliferation, osteogenesis and paracrine effect on angiogenesis. <i>Oncotarget</i> , <b>2016</b> , 7, 7-22	3.3	61
24	Nanostructured lipid carriers loaded with resveratrol modulate human dendritic cells. <i>International Journal of Nanomedicine</i> , <b>2016</b> , 11, 3501-16	7.3	25
23	Ionizing radiation modulates human macrophages towards a pro-inflammatory phenotype preserving their pro-invasive and pro-angiogenic capacities. <i>Scientific Reports</i> , <b>2016</b> , 6, 18765	4.9	107
22	Fibrinogen scaffolds with immunomodulatory properties promote in vivo bone regeneration. <i>Biomaterials</i> , <b>2016</b> , 111, 163-178	15.6	43

21	Circulating extracellular vesicles: Their role in tissue repair and regeneration. <i>Transfusion and Apheresis Science</i> , <b>2016</b> , 55, 53-61	2.4	23
20	Matrix metalloproteases as maestros for the dual role of LPS- and IL-10-stimulated macrophages in cancer cell behaviour. <i>BMC Cancer</i> , <b>2015</b> , 15, 456	4.8	15
19	Integrated Analysis of Biological Samples by Imaging Flow Cytometry. <i>Microscopy and Microanalysis</i> , <b>2015</b> , 21 Suppl 5, 95-6	0.5	1
18	Injectable MMP-sensitive alginate hydrogels as hMSC delivery systems. <i>Biomacromolecules</i> , <b>2014</b> , 15, 380-90	6.9	78
17	Endoplasmic reticulum degradation-enhancing $\beta$ -mannosidase-like protein 1 targets misfolded HLA-B27 dimers for endoplasmic reticulum-associated degradation. <i>Arthritis and Rheumatology</i> , <b>2014</b> , 66, 2976-88	9.5	25
16	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> , <b>2014</b> , 9, e91406	3.7	21
15	Cross talk between the Akt and p38 $\beta$ pathways in macrophages downstream of Toll-like receptor signaling. <i>Molecular and Cellular Biology</i> , <b>2013</b> , 33, 4152-65	4.8	54
14	Adsorbed fibrinogen leads to improved bone regeneration and correlates with differences in the systemic immune response. <i>Acta Biomaterialia</i> , <b>2013</b> , 9, 7209-17	10.8	43
13	Fibrinogen promotes resorption of chitosan by human osteoclasts. <i>Acta Biomaterialia</i> , <b>2013</b> , 9, 6553-62	10.8	15
12	Chitosan drives anti-inflammatory macrophage polarisation and pro-inflammatory dendritic cell stimulation. <i>European Cells and Materials</i> , <b>2012</b> , 24, 136-52; discussion 152-3	4.3	104
11	Novel MHC class I structures on exosomes. <i>Journal of Immunology</i> , <b>2009</b> , 183, 1884-91	5.3	52
10	Biochemical features of HLA-B27 and antigen processing. <i>Advances in Experimental Medicine and Biology</i> , <b>2009</b> , 649, 210-6	3.6	7
9	The kinases MSK1 and MSK2 act as negative regulators of Toll-like receptor signaling. <i>Nature Immunology</i> , <b>2008</b> , 9, 1028-36	19.1	248
8	Induction of HLA-B27 heavy chain homodimer formation after activation in dendritic cells. <i>Arthritis Research and Therapy</i> , <b>2008</b> , 10, R100	5.7	22
7	Novel detection of in vivo HLA-B27 conformations correlates with ankylosing spondylitis association. <i>Arthritis and Rheumatism</i> , <b>2008</b> , 58, 3419-24		24
6	Major histocompatibility complex class I-ERp57-tapasin interactions within the peptide-loading complex. <i>Journal of Biological Chemistry</i> , <b>2007</b> , 282, 17587-93	5.4	38
5	Open conformers: the hidden face of MHC-I molecules. <i>Trends in Immunology</i> , <b>2007</b> , 28, 115-23	14.4	81
4	ERp57 interacts with conserved cysteine residues in the MHC class I peptide-binding groove. <i>FEBS Letters</i> , <b>2007</b> , 581, 1988-92	3.8	13

- 3 Lack of tyrosine 320 impairs spontaneous endocytosis and enhances release of HLA-B27 molecules. *Journal of Immunology*, **2006**, 176, 2942-9 5-3 21
- 2 The Impact of Environmental Signals on the Growth and Survival of Human T Cells **2005**, 1-32
- 1 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. *Journal of Biological Chemistry*, **2004**, 279, 53062-70 5-4 51