

# Fernando Souza-Fonseca-Guimaraes

## List of Publications by Citations

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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.

65  
papers

3,242  
citations

27  
h-index

56  
g-index

77  
ext. papers

4,447  
ext. citations

10.3  
avg, IF

5.37  
L-index

#	Paper	IF	Citations
65	Tumor immunoevasion by the conversion of effector NK cells into type 1 innate lymphoid cells. <i>Nature Immunology</i> , <b>2017</b> , 18, 1004-1015	19.1	330
64	TGF- $\beta$ inhibits the activation and functions of NK cells by repressing the mTOR pathway. <i>Science Signaling</i> , <b>2016</b> , 9, ra19	8.8	297
63	The receptors CD96 and CD226 oppose each other in the regulation of natural killer cell functions. <i>Nature Immunology</i> , <b>2014</b> , 15, 431-8	19.1	285
62	Natural killer (NK) cells in antibacterial innate immunity: angels or devils?. <i>Molecular Medicine</i> , <b>2012</b> , 18, 270-85	6.2	220
61	Single-cell RNA-seq and computational analysis using temporal mixture modelling resolves Th1/Tfh fate bifurcation in malaria. <i>Science Immunology</i> , <b>2017</b> , 2,	28	171
60	A2AR Adenosine Signaling Suppresses Natural Killer Cell Maturation in the Tumor Microenvironment. <i>Cancer Research</i> , <b>2018</b> , 78, 1003-1016	10.1	159
59	NK cell tolerance to TLR agonists mediated by regulatory T cells after polymicrobial sepsis. <i>Journal of Immunology</i> , <b>2012</b> , 188, 5850-8	5.3	153
58	The Emergence of Natural Killer Cells as a Major Target in Cancer Immunotherapy. <i>Trends in Immunology</i> , <b>2019</b> , 40, 142-158	14.4	147
57	TLR-mediated activation of NK cells and their role in bacterial/viral immune responses in mammals. <i>Immunology and Cell Biology</i> , <b>2014</b> , 92, 256-62	5	125
56	Innate immunodeficiency following genetic ablation of Mcl1 in natural killer cells. <i>Nature Communications</i> , <b>2014</b> , 5, 4539	17.4	113
55	A Gene Signature Predicting Natural Killer Cell Infiltration and Improved Survival in Melanoma Patients. <i>Cancer Immunology Research</i> , <b>2019</b> , 7, 1162-1174	12.5	103
54	Toll-like receptors expression and interferon- $\beta$ production by NK cells in human sepsis. <i>Critical Care</i> , <b>2012</b> , 16, R206	10.8	76
53	DNAM-1 expression marks an alternative program of NK cell maturation. <i>Cell Reports</i> , <b>2015</b> , 11, 85-97	10.6	75
52	NK cells require IL-28R for optimal in vivo activity. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , <b>2015</b> , 112, E2376-84	11.5	64
51	NK cell heparanase controls tumor invasion and immune surveillance. <i>Journal of Clinical Investigation</i> , <b>2017</b> , 127, 2777-2788	15.9	62
50	Bench to bedside: NK cells and control of metastasis. <i>Clinical Immunology</i> , <b>2017</b> , 177, 50-59	9	50
49	CD3bright signals on $\Gamma$ cells identify IL-17A-producing V $\beta$ V $\alpha$ + T cells. <i>Immunology and Cell Biology</i> , <b>2015</b> , 93, 198-212	5	50

48	Endocytosis Inhibition in Humans to Improve Responses to ADCC-Mediating Antibodies. <i>Cell</i> , <b>2020</b> , 180, 895-914.e27	56.2	45
47	NLRP1 restricts butyrate producing commensals to exacerbate inflammatory bowel disease. <i>Nature Communications</i> , <b>2018</b> , 9, 3728	17.4	45
46	CD24-triggered caspase-dependent apoptosis via mitochondrial membrane depolarization and reactive oxygen species production of human neutrophils is impaired in sepsis. <i>Journal of Immunology</i> , <b>2014</b> , 192, 2449-59	5.3	41
45	Cell cycle progression dictates the requirement for BCL2 in natural killer cell survival. <i>Journal of Experimental Medicine</i> , <b>2017</b> , 214, 491-510	16.6	40
44	IFNAR1-Signalling Obstructs ICOS-mediated Humoral Immunity during Non-lethal Blood-Stage Plasmodium Infection. <i>PLoS Pathogens</i> , <b>2016</b> , 12, e1005999	7.6	39
43	Therapeutic blockade of activin-A improves NK cell function and antitumor immunity. <i>Science Signaling</i> , <b>2019</b> , 12,	8.8	33
42	Autophagy-dependent regulatory T cells are critical for the control of graft-versus-host disease. <i>JCI Insight</i> , <b>2016</b> , 1, e86850	9.9	33
41	Circulating biomarkers may be unable to detect infection at the early phase of sepsis in ICU patients: the CAPTAIN prospective multicenter cohort study. <i>Intensive Care Medicine</i> , <b>2018</b> , 44, 1061-1070	14.5	32
40	Tumor Microenvironment-Associated Extracellular Matrix Components Regulate NK Cell Function. <i>Frontiers in Immunology</i> , <b>2020</b> , 11, 73	8.4	28
39	Effectiveness of Vernonia scorpioides ethanolic extract against skin inflammatory processes. <i>Journal of Ethnopharmacology</i> , <b>2011</b> , 138, 390-7	5	27
38	NK cell-derived GM-CSF potentiates inflammatory arthritis and is negatively regulated by CIS. <i>Journal of Experimental Medicine</i> , <b>2020</b> , 217,	16.6	25
37	Harnessing Natural Killer Immunity in Metastatic SCLC. <i>Journal of Thoracic Oncology</i> , <b>2020</b> , 15, 1507-1528	8.9	23
36	Context-Dependent Role for T-bet in T Follicular Helper Differentiation and Germinal Center Function following Viral Infection. <i>Cell Reports</i> , <b>2019</b> , 28, 1758-1772.e4	10.6	23
35	Blockade of the co-inhibitory molecule PD-1 unleashes ILC2-dependent antitumor immunity in melanoma. <i>Nature Immunology</i> , <b>2021</b> , 22, 851-864	19.1	23
34	GVHD prevents NK-cell-dependent leukemia and virus-specific innate immunity. <i>Blood</i> , <b>2017</b> , 129, 630-642	4.2	21
33	Bench-to-bedside review: Natural killer cells in sepsis - guilty or not guilty?. <i>Critical Care</i> , <b>2013</b> , 17, 235	10.8	20
32	Interferon- $\gamma$ and granulocyte/monocyte colony-stimulating factor production by natural killer cells involves different signaling pathways and the adaptor stimulator of interferon genes (STING). <i>Journal of Biological Chemistry</i> , <b>2013</b> , 288, 10715-21	5.4	19
31	GM-CSF Quantity Has a Selective Effect on Granulocytic vs. Monocytic Myeloid Development and Function. <i>Frontiers in Immunology</i> , <b>2018</b> , 9, 1922	8.4	19

30	Rapid loss of group 1 innate lymphoid cells during blood stage infection. <i>Clinical and Translational Immunology</i> , <b>2018</b> , 7, e1003	6.8	15
29	Molecular insight into targeting the NK cell immune response to cancer. <i>Immunology and Cell Biology</i> , <b>2018</b> , 96, 477-484	5	15
28	B1 and B2 kinin receptor participation in hyperproliferative and inflammatory skin processes in mice. <i>Journal of Dermatological Science</i> , <b>2011</b> , 64, 23-30	4.3	15
27	Discrete tissue microenvironments instruct diversity in resident memory T cell function and plasticity. <i>Nature Immunology</i> , <b>2021</b> , 22, 1140-1151	19.1	14
26	Transforming growth factor-β-regulated mTOR activity preserves cellular metabolism to maintain long-term T <sub>H</sub> cell responses in chronic infection. <i>Immunity</i> , <b>2021</b> , 54, 1698-1714.e5	32.3	13
25	NK Cell Priming From Endogenous Homeostatic Signals Is Modulated by CIS. <i>Frontiers in Immunology</i> , <b>2020</b> , 11, 75	8.4	12
24	Anti-CD137 enhances anti-CD20 therapy of systemic B-cell lymphoma with altered immune homeostasis but negligible toxicity. <i>Oncotarget</i> , <b>2016</b> , 5, e1192740	7.2	11
23	Brown spider ( <i>Loxosceles intermedia</i> ) venom triggers endothelial cells death by anoikis. <i>Toxicon</i> , <b>2012</b> , 60, 396-405	2.8	11
22	Towards efficient immunotherapy for bacterial infection. <i>Trends in Microbiology</i> , <b>2021</b> ,	12.4	11
21	NK cell-based immunotherapies: awakening the innate anti-cancer response. <i>Discovery Medicine</i> , <b>2016</b> , 21, 197-203	2.5	10
20	Type 2 Innate Lymphoid Cells Protect against Colorectal Cancer Progression and Predict Improved Patient Survival. <i>Cancers</i> , <b>2021</b> , 13,	6.6	9
19	Natural killer cells in inflammatory autoimmune diseases. <i>Clinical and Translational Immunology</i> , <b>2021</b> , 10, e1250	6.8	9
18	A novel immunogenic mouse model of melanoma for the preclinical assessment of combination targeted and immune-based therapy. <i>Scientific Reports</i> , <b>2019</b> , 9, 1225	4.9	8
17	Granzyme M has a critical role in providing innate immune protection in ulcerative colitis. <i>Cell Death and Disease</i> , <b>2016</b> , 7, e2302	9.8	8
16	Recipient BCL2 inhibition and NK cell ablation form part of a reduced intensity conditioning regime that improves allo-bone marrow transplantation outcomes. <i>Cell Death and Differentiation</i> , <b>2019</b> , 26, 1516-1530 <sup>8</sup>	12.7	8
15	MAIT cells regulate NK cell-mediated tumor immunity. <i>Nature Communications</i> , <b>2021</b> , 12, 4746	17.4	8
14	Natural killer cell engineering - a new hope for cancer immunotherapy. <i>Seminars in Hematology</i> , <b>2020</b> , 57, 194-200	4	7
13	Pravastatin induces cell cycle arrest and decreased production of VEGF and bFGF in multiple myeloma cell line. <i>Brazilian Journal of Biology</i> , <b>2016</b> , 76, 59-65	1.5	6

12	Myeloid TGF- $\beta$ responsiveness promotes metastases. <i>Cancer Discovery</i> , <b>2013</b> , 3, 846-8	24.4	4
11	Temporal mixture modelling of single-cell RNA-seq data resolves a CD4+ T cell fate bifurcation		4
10	The Antitumor Effect of Heparin is not Mediated by Direct NK Cell Activation. <i>Journal of Clinical Medicine</i> , <b>2020</b> , 9,	5.1	4
9	Natural Killer Cell Assessment in Peripheral Circulation and Bronchoalveolar Lavage Fluid of Patients with Severe Sepsis: A Case Control Study. <i>International Journal of Molecular Sciences</i> , <b>2017</b> , 18,	6.3	3
8	Natural Killer Cells and Type 1 Innate Lymphoid Cells in Hepatocellular Carcinoma: Current Knowledge and Future Perspectives. <i>International Journal of Molecular Sciences</i> , <b>2021</b> , 22,	6.3	3
7	A new checkpoint for Natural Killer cell activation. <i>Immunology and Cell Biology</i> , <b>2018</b> , 96, 5-7	5	2
6	A natural killer cell gene signature predicts melanoma patient survival		2
5	Spatial Profiling of Lung SARS-CoV-2 and Influenza Virus Infection Dissects Virus-Specific Host Responses and Gene Signatures		2
4	Generation of novel Id2 and E2-2, E2A and HEB antibodies reveals novel Id2 binding partners and species-specific expression of E-proteins in NK cells. <i>Molecular Immunology</i> , <b>2019</b> , 115, 56-63	4.3	1
3	Enhancing Natural Killer Cell Targeting of Pediatric Sarcoma. <i>Frontiers in Immunology</i> , <b>2021</b> , 12, 791206	8.4	1
2	Transcriptome sequencing and multi-plex imaging of prostate cancer microenvironment reveals a dominant role for monocytic cells in progression. <i>BMC Cancer</i> , <b>2021</b> , 21, 846	4.8	1
1	Loss-of-Function in SMAD4 Might Not Be Critical for Human Natural Killer Cell Responsiveness to TGF- $\beta$ <i>Frontiers in Immunology</i> , <b>2019</b> , 10, 904	8.4	