

# Fernando Souza-Fonseca-Guimaraes

## List of Publications by Year in descending order

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Version: 2024-02-01

67  
papers

5,153  
citations

126858

33  
h-index

102432

66  
g-index

77  
all docs

77  
docs citations

77  
times ranked

8240  
citing authors

#	ARTICLE	IF	CITATIONS
1	Tumor immunoevasion by the conversion of effector NK cells into type 1 innate lymphoid cells. <i>Nature Immunology</i> , 2017, 18, 1004-1015.	7.0	504
2	TGF- $\beta$ 2 inhibits the activation and functions of NK cells by repressing the mTOR pathway. <i>Science Signaling</i> , 2016, 9, ra19.	1.6	453
3	The receptors CD96 and CD226 oppose each other in the regulation of natural killer cell functions. <i>Nature Immunology</i> , 2014, 15, 431-438.	7.0	410
4	A2AR Adenosine Signaling Suppresses Natural Killer Cell Maturation in the Tumor Microenvironment. <i>Cancer Research</i> , 2018, 78, 1003-1016.	0.4	269
5	Single-cell RNA-seq and computational analysis using temporal mixture modeling resolves T <sub>H</sub> 1/T <sub>FH</sub> fate bifurcation in malaria. <i>Science Immunology</i> , 2017, 2, .	5.6	258
6	Natural Killer (NK) Cells in Antibacterial Innate Immunity: Angels or Devils?. <i>Molecular Medicine</i> , 2012, 18, 270-285.	1.9	252
7	The Emergence of Natural Killer Cells as a Major Target in Cancer Immunotherapy. <i>Trends in Immunology</i> , 2019, 40, 142-158.	2.9	218
8	A Gene Signature Predicting Natural Killer Cell Infiltration and Improved Survival in Melanoma Patients. <i>Cancer Immunology Research</i> , 2019, 7, 1162-1174.	1.6	201
9	NK Cell Tolerance to TLR Agonists Mediated by Regulatory T Cells after Polymicrobial Sepsis. <i>Journal of Immunology</i> , 2012, 188, 5850-5858.	0.4	173
10	TLR-mediated activation of NK cells and their role in bacterial/viral immune responses in mammals. <i>Immunology and Cell Biology</i> , 2014, 92, 256-262.	1.0	167
11	Innate immunodeficiency following genetic ablation of Mcl1 in natural killer cells. <i>Nature Communications</i> , 2014, 5, 4539.	5.8	156
12	Endocytosis Inhibition in Humans to Improve Responses to ADCC-Mediating Antibodies. <i>Cell</i> , 2020, 180, 895-914.e27.	13.5	127
13	DNAM-1 Expression Marks an Alternative Program of NK Cell Maturation. <i>Cell Reports</i> , 2015, 11, 85-97.	2.9	111
14	Toll-like receptors expression and interferon- $\beta$ production by NK cells in human sepsis. <i>Critical Care</i> , 2012, 16, R206.	2.5	100
15	Blockade of the co-inhibitory molecule PD-1 unleashes ILC2-dependent antitumor immunity in melanoma. <i>Nature Immunology</i> , 2021, 22, 851-864.	7.0	97
16	Discrete tissue microenvironments instruct diversity in resident memory T cell function and plasticity. <i>Nature Immunology</i> , 2021, 22, 1140-1151.	7.0	96
17	NK cell heparanase controls tumor invasion and immune surveillance. <i>Journal of Clinical Investigation</i> , 2017, 127, 2777-2788.	3.9	85
18	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> , 2015, 112, E2376-84.	3.3	82

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19	Transforming growth factor- $\beta$ -regulated mTOR activity preserves cellular metabolism to maintain long-term T cell responses in chronic infection. <i>Immunity</i> , 2021, 54, 1698-1714.e5.	6.6	82
20	NLRP1 restricts butyrate producing commensals to exacerbate inflammatory bowel disease. <i>Nature Communications</i> , 2018, 9, 3728.	5.8	81
21	Bench to bedside: NK cells and control of metastasis. <i>Clinical Immunology</i> , 2017, 177, 50-59.	1.4	71
22	CD3 <sup>bright</sup> signals on $\beta$ T cells identify IL-17A-producing $\gamma$ T cells. <i>Immunology and Cell Biology</i> , 2015, 93, 198-212.	1.0	68
23	Cell cycle progression dictates the requirement for BCL2 in natural killer cell survival. <i>Journal of Experimental Medicine</i> , 2017, 214, 491-510.	4.2	66
24	Therapeutic blockade of activin-A improves NK cell function and antitumor immunity. <i>Science Signaling</i> , 2019, 12, .	1.6	64
25	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> , 2018, 44, 1061-1070.	3.9	60
26	NK cell-derived GM-CSF potentiates inflammatory arthritis and is negatively regulated by CIS. <i>Journal of Experimental Medicine</i> , 2020, 217, .	4.2	60
27	IFNAR1-Signalling Obstructs ICOS-mediated Humoral Immunity during Non-lethal Blood-Stage Plasmodium Infection. <i>PLoS Pathogens</i> , 2016, 12, e1005999.	2.1	52
28	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> , 2014, 192, 2449-2459.	0.4	51
29	Harnessing Natural Killer Immunity in Metastatic SCLC. <i>Journal of Thoracic Oncology</i> , 2020, 15, 1507-1521.	0.5	50
30	Tumor Microenvironment-Associated Extracellular Matrix Components Regulate NK Cell Function. <i>Frontiers in Immunology</i> , 2020, 11, 73.	2.2	47
31	MAIT cells regulate NK cell-mediated tumor immunity. <i>Nature Communications</i> , 2021, 12, 4746.	5.8	45
32	Autophagy-dependent regulatory T cells are critical for the control of graft-versus-host disease. <i>JCI Insight</i> , 2016, 1, e86850.	2.3	43
33	Towards efficient immunotherapy for bacterial infection. <i>Trends in Microbiology</i> , 2022, 30, 158-169.	3.5	41
34	Context-Dependent Role for T-bet in T Follicular Helper Differentiation and Germinal Center Function following Viral Infection. <i>Cell Reports</i> , 2019, 28, 1758-1772.e4.	2.9	40
35	GVHD prevents NK-cell-dependent leukemia and virus-specific innate immunity. <i>Blood</i> , 2017, 129, 630-642.	0.6	32
36	Bench-to-bedside review: Natural killer cells in sepsis - guilty or not guilty?. <i>Critical Care</i> , 2013, 17, 235.	2.5	31

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37	Type 2 Innate Lymphoid Cells Protect against Colorectal Cancer Progression and Predict Improved Patient Survival. <i>Cancers</i> , 2021, 13, 559.	1.7	31
38	GM-CSF Quantity Has a Selective Effect on Granulocytic vs. Monocytic Myeloid Development and Function. <i>Frontiers in Immunology</i> , 2018, 9, 1922.	2.2	29
39	Natural killer cells in inflammatory autoimmune diseases. <i>Clinical and Translational Immunology</i> , 2021, 10, e1250.	1.7	29
40	Effectiveness of <i>Vernonia scorpioides</i> ethanolic extract against skin inflammatory processes. <i>Journal of Ethnopharmacology</i> , 2011, 138, 390-397.	2.0	28
41	NK Cell Priming From Endogenous Homeostatic Signals Is Modulated by CIS. <i>Frontiers in Immunology</i> , 2020, 11, 75.	2.2	27
42	Interferon- $\beta$ 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> , 2013, 288, 10715-10721.	1.6	26
43	Molecular insight into targeting the NK cell immune response to cancer. <i>Immunology and Cell Biology</i> , 2018, 96, 477-484.	1.0	26
44	B1 and B2 kinin receptor participation in hyperproliferative and inflammatory skin processes in mice. <i>Journal of Dermatological Science</i> , 2011, 64, 23-30.	1.0	16
45	Rapid loss of group 1 innate lymphoid cells during blood stage <i>Plasmodium</i> infection. <i>Clinical and Translational Immunology</i> , 2018, 7, e1003.	1.7	16
46	A novel immunogenic mouse model of melanoma for the preclinical assessment of combination targeted and immune-based therapy. <i>Scientific Reports</i> , 2019, 9, 1225.	1.6	16
47	NK cell-based immunotherapies: awakening the innate anti-cancer response. <i>Discovery Medicine</i> , 2016, 21, 197-203.	0.5	15
48	Granzyme M has a critical role in providing innate immune protection in ulcerative colitis. <i>Cell Death and Disease</i> , 2016, 7, e2302-e2302.	2.7	14
49	Brown spider ( <i>Loxosceles intermedia</i> ) venom triggers endothelial cells death by anoikis. <i>Toxicon</i> , 2012, 60, 396-405.	0.8	12
50	Anti-CD137 enhances anti-CD20 therapy of systemic B-cell lymphoma with altered immune homeostasis but negligible toxicity. <i>Oncolmmunology</i> , 2016, 5, e1192740.	2.1	11
51	Natural killer cell engineering “a new hope for cancer immunotherapy. <i>Seminars in Hematology</i> , 2020, 57, 194-200.	1.8	11
52	TGF $\beta$ 2 and CIS Inhibition Overcomes NK-cell Suppression to Restore Antitumor Immunity. <i>Cancer Immunology Research</i> , 2022, 10, 1047-1054.	1.6	11
53	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> , 2019, 26, 1516-1530.	5.0	10
54	Enhancing Natural Killer Cell Targeting of Pediatric Sarcoma. <i>Frontiers in Immunology</i> , 2021, 12, 791206.	2.2	9

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55	Pravastatin induces cell cycle arrest and decreased production of VEGF and bFGF in multiple myeloma cell line. Brazilian Journal of Biology, 2016, 76, 59-65.	0.4	8
56	The Antitumor Effect of Heparin is not Mediated by Direct NK Cell Activation. Journal of Clinical Medicine, 2020, 9, 2666.	1.0	7
57	Natural Killer Cells and Type 1 Innate Lymphoid Cells in Hepatocellular Carcinoma: Current Knowledge and Future Perspectives. International Journal of Molecular Sciences, 2021, 22, 9044.	1.8	7
58	Nanobiomaterials to modulate natural killer cell responses for effective cancer immunotherapy. Trends in Biotechnology, 2023, 41, 77-92.	4.9	7
59	Myeloid TGF- $\beta$ 2 Responsiveness Promotes Metastases. Cancer Discovery, 2013, 3, 846-848.	7.7	5
60	A new checkpoint for Natural Killer cell activation. Immunology and Cell Biology, 2018, 96, 5-7.	1.0	5
61	Natural Killer Cell Assessment in Peripheral Circulation and Bronchoalveolar Lavage Fluid of Patients with Severe Sepsis: A Case Control Study. International Journal of Molecular Sciences, 2017, 18, 616.	1.8	4
62	IFN type III: <i>in vivo</i> NK cell response. Oncotarget, 2015, 6, 19960-19961.	0.8	4
63	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. Molecular Immunology, 2019, 115, 56-63.	1.0	3
64	Transcriptome sequencing and multi-plex imaging of prostate cancer microenvironment reveals a dominant role for monocytic cells in progression. BMC Cancer, 2021, 21, 846.	1.1	3
65	New horizons for natural killer cell research in cancer, infection and inflammation. Clinical and Translational Immunology, 2021, 10, e1275.	1.7	1
66	CIS and TGF- $\beta$ 2 regulatory pathways influence immunity to bacterial infection. Immunology, 0, , .	2.0	1
67	Loss-of-Function in SMAD4 Might Not Be Critical for Human Natural Killer Cell Responsiveness to TGF- $\beta$ 2. Frontiers in Immunology, 2019, 10, 904.	2.2	0