

# Fernando Souza-Fonseca-Guimaraes

## 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.

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 | Enhancing Natural Killer Cell Targeting of Pediatric Sarcoma. <i>Frontiers in Immunology</i> , <b>2021</b> , 12, 791206   | 8.4  | 1         |
| 64 | 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        |
| 63 | 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         |
| 62 | 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         |
| 61 | Towards efficient immunotherapy for bacterial infection. <i>Trends in Microbiology</i> , <b>2021</b> ,  | 12.4 | 11        |
| 60 | Transforming growth factor- $\beta$ -regulated mTOR activity preserves cellular metabolism to maintain long-term T $\alpha$ cell responses in chronic infection. <i>Immunity</i> , <b>2021</b> , 54, 1698-1714.e5 | 32.3 | 13        |
| 59 | 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        |
| 58 | MAIT cells regulate NK cell-mediated tumor immunity. <i>Nature Communications</i> , <b>2021</b> , 12, 4746  | 17.4 | 8         |
| 57 | 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         |
| 56 | Natural killer cells in inflammatory autoimmune diseases. <i>Clinical and Translational Immunology</i> , <b>2021</b> , 10, e1250  | 6.8  | 9         |
| 55 | Harnessing Natural Killer Immunity in Metastatic SCLC. <i>Journal of Thoracic Oncology</i> , <b>2020</b> , 15, 1507-1528.9  | 8.9  | 23        |
| 54 | Endocytosis Inhibition in Humans to Improve Responses to ADCC-Mediating Antibodies. <i>Cell</i> , <b>2020</b> , 180, 895-914.e27  | 56.2 | 45        |
| 53 | Tumor Microenvironment-Associated Extracellular Matrix Components Regulate NK Cell Function. <i>Frontiers in Immunology</i> , <b>2020</b> , 11, 73  | 8.4  | 28        |
| 52 | NK Cell Priming From Endogenous Homeostatic Signals Is Modulated by CIS. <i>Frontiers in Immunology</i> , <b>2020</b> , 11, 75  | 8.4  | 12        |
| 51 | Natural killer cell engineering - a new hope for cancer immunotherapy. <i>Seminars in Hematology</i> , <b>2020</b> , 57, 194-200  | 4    | 7         |
| 50 | 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        |
| 49 | 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         |

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|----|---|------|-----|
| 48 | Therapeutic blockade of activin-A improves NK cell function and antitumor immunity. <i>Science Signaling</i> , <b>2019</b> , 12,  | 8.8  | 33  |
| 47 | 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  |     |
| 46 | 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 |
| 45 | 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   |
| 44 | 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   |
| 43 | 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  |
| 42 | 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   |
| 41 | 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 |
| 40 | 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  |
| 39 | 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  |
| 38 | A new checkpoint for Natural Killer cell activation. <i>Immunology and Cell Biology</i> , <b>2018</b> , 96, 5-7   | 5    | 2   |
| 37 | 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 <sup>14.5</sup>         | 14.5 | 32  |
| 36 | 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 |
| 35 | 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  |
| 34 | NLRP1 restricts butyrate producing commensals to exacerbate inflammatory bowel disease. <i>Nature Communications</i> , <b>2018</b> , 9, 3728  | 17.4 | 45  |
| 33 | Bench to bedside: NK cells and control of metastasis. <i>Clinical Immunology</i> , <b>2017</b> , 177, 50-59   | 9    | 50  |
| 32 | 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  |
| 31 | 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 |

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|----|---|----------|
| 30 | GVHD prevents NK-cell-dependent leukemia and virus-specific innate immunity. <i>Blood</i> , <b>2017</b> , 129, 630-642  | 21       |
| 29 | 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 |
| 28 | 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    |
| 27 | NK cell heparanase controls tumor invasion and immune surveillance. <i>Journal of Clinical Investigation</i> , <b>2017</b> , 127, 2777-2788   | 15.9 62  |
| 26 | Anti-CD137 enhances anti-CD20 therapy of systemic B-cell lymphoma with altered immune homeostasis but negligible toxicity. <i>Oncotmunology</i> , <b>2016</b> , 5, e1192740   | 7.2 11   |
| 25 | 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  |
| 24 | 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   |
| 23 | 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   |
| 22 | 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    |
| 21 | 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    |
| 20 | NK cell-based immunotherapies: awakening the innate anti-cancer response. <i>Discovery Medicine</i> , <b>2016</b> , 21, 197-203   | 2.5 10   |
| 19 | 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  |
| 18 | DNAM-1 expression marks an alternative program of NK cell maturation. <i>Cell Reports</i> , <b>2015</b> , 11, 85-97   | 10.6 75  |
| 17 | CD3bright signals on T cells identify IL-17A-producing V $\beta$ V $\alpha$ 1+ T cells. <i>Immunology and Cell Biology</i> , <b>2015</b> , 93, 198-212  | 5 50     |
| 16 | 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 |
| 15 | Innate immunodeficiency following genetic ablation of Mcl1 in natural killer cells. <i>Nature Communications</i> , <b>2014</b> , 5, 4539  | 17.4 113 |
| 14 | 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   |
| 13 | 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    |

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|----|--|------|-----|
| 12 | 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> , <b>2013</b> , 288, 10715-21 | 5.4  | 19  |
| 11 | 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  |
| 10 | Myeloid TGF- $\beta$ responsiveness promotes metastases. <i>Cancer Discovery</i> , <b>2013</b> , 3, 846-8  | 24.4 | 4   |
| 9  | 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  |
| 8  | 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  |
| 7  | Natural killer (NK) cells in antibacterial innate immunity: angels or devils?. <i>Molecular Medicine</i> , <b>2012</b> , 18, 270-85  | 6.2  | 220 |
| 6  | 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 |
| 5  | 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  |
| 4  | Effectiveness of <i>Vernonia scorpioides</i> ethanolic extract against skin inflammatory processes. <i>Journal of Ethnopharmacology</i> , <b>2011</b> , 138, 390-7   | 5    | 27  |
| 3  | A natural killer cell gene signature predicts melanoma patient survival  |      | 2   |
| 2  | Temporal mixture modelling of single-cell RNA-seq data resolves a CD4+ T cell fate bifurcation   |      | 4   |
| 1  | Spatial Profiling of Lung SARS-CoV-2 and Influenza Virus Infection Dissects Virus-Specific Host Responses and Gene Signatures  |      | 2   |