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List of Publications by Year in descending order

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112	6,640	42	76
papers	citations	h-index	g-index
130	130	130	11105
all docs	docs citations	times ranked	citing authors

#	Article	IF	CITATIONS
1	GATA2 deficiency: a protean disorder of hematopoiesis, lymphatics, and immunity. Blood, 2014, 123, 809-821.	1.4	599
2	Early-onset lymphoproliferation and autoimmunity caused by germline STAT3 gain-of-function mutations. Blood, 2015, 125, 591-599.	1.4	436
3	Distinct antibody responses to SARS-CoV-2 in children and adults across the COVID-19 clinical spectrum. Nature Immunology, 2021, 22, 25-31.	14.5	403
4	COPA mutations impair ER-Golgi transport and cause hereditary autoimmune-mediated lung disease and arthritis. Nature Genetics, 2015, 47, 654-660.	21.4	302
5	Primary immunodeficiency diseases: Genomic approaches delineate heterogeneous Mendelian disorders. Journal of Allergy and Clinical Immunology, 2017, 139, 232-245.	2.9	261
6	Mutations in GATA2 cause human NK cell deficiency with specific loss of the CD56bright subset. Blood, 2013, 121, 2669-2677.	1.4	208
7	Natural Killer Cell Lytic Granule Secretion Occurs through a Pervasive Actin Network at the Immune Synapse. PLoS Biology, 2011, 9, e1001151.	5.6	196
8	Cell biological steps and checkpoints in accessing NK cell cytotoxicity. Immunology and Cell Biology, 2014, 92, 245-255.	2.3	171
9	Genetic and mechanistic diversity in pediatric hemophagocytic lymphohistiocytosis. Blood, 2018, 132, 89-100.	1.4	139
10	A novel disorder involving dyshematopoiesis, inflammation, and HLH due to aberrant CDC42 function. Journal of Experimental Medicine, 2019, 216, 2778-2799.	8.5	132
11	Heterozygous Truncating Variants in POMP Escape Nonsense-Mediated Decay and Cause a Unique Immune Dysregulatory Syndrome. American Journal of Human Genetics, 2018, 102, 1126-1142.	6.2	128
12	Diversity of peripheral blood human NK cells identified by single-cell RNA sequencing. Blood Advances, 2020, 4, 1388-1406.	5.2	125
13	Emerging insights into human health and <scp>NK</scp> cell biology from the study of <scp>NK</scp> cell deficiencies. Immunological Reviews, 2019, 287, 202-225.	6.0	123
14	A Cell-Autonomous Mammalian 12Âhr Clock Coordinates Metabolic and Stress Rhythms. Cell Metabolism, 2017, 25, 1305-1319.e9.	16.2	119
15	Biallelic loss-of-function mutation in NIK causes a primary immunodeficiency with multifaceted aberrant lymphoid immunity. Nature Communications, 2014, 5, 5360.	12.8	116
16	RASGRP1 deficiency causes immunodeficiency with impaired cytoskeletal dynamics. Nature Immunology, 2016, 17, 1352-1360.	14.5	115
17	Defective actin accumulation impairs human natural killer cell function in patients with dedicator of cytokinesis 8 deficiency. Journal of Allergy and Clinical Immunology, 2013, 131, 840-848.	2.9	113
18	Lytic immune synapse function requires filamentous actin deconstruction by Coronin 1A. Proceedings of the National Academy of Sciences of the United States of America, 2014, 111, 6708-6713.	7.1	102

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19	Nanoscale Dynamism of Actin Enables Secretory Function in Cytolytic Cells. Current Biology, 2018, 28, 489-502.e9.	3.9	101
20	Practical NK cell phenotyping and variability in healthy adults. Immunologic Research, 2015, 62, 341-356.	2.9	95
21	Cytoskeletal abnormalities and neutrophil dysfunction in WDR1 deficiency. Blood, 2016, 128, 2135-2143.	1.4	94
22	Glycolytic requirement for NK cell cytotoxicity and cytomegalovirus control. JCI Insight, 2017, 2, .	5.0	90
23	NK cells converge lytic granules to promote cytotoxicity and prevent bystander killing. Journal of Cell Biology, 2016, 215, 875-889.	5.2	87
24	A combined immunodeficiency with severe infections, inflammation, and allergy caused by ARPC1B deficiency. Journal of Allergy and Clinical Immunology, 2019, 143, 2296-2299.	2.9	87
25	CD56 Expression Marks Human Group 2 Innate Lymphoid Cell Divergence from a Shared NK Cell and Group 3 Innate Lymphoid Cell Developmental Pathway. Immunity, 2018, 49, 464-476.e4.	14.3	86
26	Ruxolitinib partially reverses functional natural killer cell deficiency in patients with signal transducer and activator of transcription 1 (STAT1) gain-of-function mutations. Journal of Allergy and Clinical Immunology, 2018, 141, 2142-2155.e5.	2.9	79
27	Compound Heterozygous CORO1A Mutations in Siblings with a Mucocutaneous-Immunodeficiency Syndrome of Epidermodysplasia Verruciformis-HPV, Molluscum Contagiosum and Granulomatous Tuberculoid Leprosy. Journal of Clinical Immunology, 2014, 34, 871-890.	3.8	78
28	Biallelic mutations in IRF8 impair human NK cell maturation and function. Journal of Clinical Investigation, 2016, 127, 306-320.	8.2	76
29	IL-2 induces a WAVE2-dependent pathway for actin reorganization that enables WASp-independent human NK cell function. Journal of Clinical Investigation, 2011, 121, 1535-1548.	8.2	75
30	Evaluation of Patients and Families With Concern for Predispositions to Hematologic Malignancies Within the Hereditary Hematologic Malignancy Clinic (HHMC). Clinical Lymphoma, Myeloma and Leukemia, 2016, 16, 417-428.e2.	0.4	74
31	Genetic Causes of Human NK Cell Deficiency and Their Effect on NK Cell Subsets. Frontiers in Immunology, 2016, 7, 545.	4.8	69
32	Complex Autoinflammatory Syndrome Unveils Fundamental Principles of JAK1 Kinase Transcriptional and Biochemical Function. Immunity, 2020, 53, 672-684.e11.	14.3	66
33	HEM1 deficiency disrupts mTORC2 and F-actin control in inherited immunodysregulatory disease. Science, 2020, 369, 202-207.	12.6	65
34	Elucidation of the integrin LFA-1–mediated signaling pathway of actin polarization in natural killer cells. Blood, 2010, 116, 1272-1279.	1.4	64
35	Transcription of the activating receptor NKG2D in natural killer cells is regulated by STAT3 tyrosine phosphorylation. Blood, 2014, 124, 403-411.	1.4	63
36	Antibody targeting of anaplastic lymphoma kinase induces cytotoxicity of human neuroblastoma. Oncogene, 2012, 31, 4859-4867.	5.9	61

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37	Human NK cell development requires CD56-mediated motility and formation of the developmental synapse. Nature Communications, 2016, 7, 12171.	12.8	59
38	A Dual Role for Talin in NK Cell Cytotoxicity: Activation of LFA-1-Mediated Cell Adhesion and Polarization of NK Cells. Journal of Immunology, 2009, 182, 948-956.	0.8	58
39	Rapid activation receptor– or IL-2–induced lytic granule convergence in human natural killer cells requires Src, but not downstream signaling. Blood, 2013, 121, 2627-2637.	1.4	54
40	Phosphorylation of the myosin IIA tailpiece regulates single myosin IIA molecule association with lytic granules to promote NK-cell cytotoxicity. Blood, 2011, 118, 5862-5871.	1.4	50
41	Quantitative Imaging Approaches to Study the CAR Immunological Synapse. Molecular Therapy, 2017, 25, 1757-1768.	8.2	49
42	High-resolution phenotyping identifies NK cell subsets that distinguish healthy children from adults. PLoS ONE, 2017, 12, e0181134.	2.5	49
43	Human DEF6 deficiency underlies an immunodeficiency syndrome with systemic autoimmunity and aberrant CTLA-4 homeostasis. Nature Communications, 2019, 10, 3106.	12.8	48
44	DNA hypermethylation during tuberculosis dampens host immune responsiveness. Journal of Clinical Investigation, 2020, 130, 3113-3123.	8.2	47
45	Human NK cell deficiency as a result of biallelic mutations in MCM10. Journal of Clinical Investigation, 2020, 130, 5272-5286.	8.2	44
46	Schistosomiasis Induces Persistent DNA Methylation and Tuberculosis-Specific Immune Changes. Journal of Immunology, 2018, 201, 124-133.	0.8	41
47	PTEN Is a Negative Regulator of NK Cell Cytolytic Function. Journal of Immunology, 2015, 194, 1832-1840.	0.8	37
48	GATA2 deficiency underlying severeÂblastomycosis and fatal herpes simplex virus–associated hemophagocytic lymphohistiocytosis. Journal of Allergy and Clinical Immunology, 2016, 137, 638-640.	2.9	36
49	Mutations in PI3K $110\^{l}^{\prime}$ cause impaired natural killer cell function partially rescued by rapamycin treatment. Journal of Allergy and Clinical Immunology, 2018, 142, 605-617.e7.	2.9	36
50	NK Cell Lytic Granules Are Highly Motile at the Immunological Synapse and Require F-Actin for Post-Degranulation Persistence. Journal of Immunology, 2012, 189, 4870-4880.	0.8	35
51	Phosphoinositide-3-Kinase Signaling in Human Natural Killer Cells: New Insights from Primary Immunodeficiency. Frontiers in Immunology, 2018, 9, 445.	4.8	33
52	Genome-wide analyses and functional profiling of human NK cell lines. Molecular Immunology, 2019, 115, 64-75.	2.2	33
53	Murine natural killer immunoreceptors use distinct proximal signaling complexes to direct cell function. Blood, 2013, 121, 3135-3146.	1.4	32
54	CD56 regulates human NK cell cytotoxicity through Pyk2. ELife, 2020, 9, .	6.0	30

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55	Tumor-priming converts NK cells to memory-like NK cells. Oncolmmunology, 2017, 6, e1317411.	4.6	28
56	Autoimmune regulator (AIRE) contributes to Dectin-1–induced TNF-α production and complexes with caspase recruitment domain–containing protein 9 (CARD9), spleen tyrosine kinase (Syk), and Dectin-1. Journal of Allergy and Clinical Immunology, 2012, 129, 464-472.e3.	2.9	26
57	Severe cutaneous human papillomavirus infection associated with natural killer cell deficiency following stem cell transplantation for severe combined immunodeficiency. Journal of Allergy and Clinical Immunology, 2014, 134, 1451-1453.e1.	2.9	26
58	Acquisition of cell migration defines NK cell differentiation from hematopoietic stem cell precursors. Molecular Biology of the Cell, 2017, 28, 3573-3581.	2.1	25
59	The Autoimmune Regulator (AIRE), Which Is Defective in Autoimmune Polyendocrinopathy-Candidiasis-Ectodermal Dystrophy Patients, Is Expressed in Human Epidermal and Follicular Keratinocytes and Associates With the Intermediate Filament Protein Cytokeratin 17. American Journal of Pathology, 2011, 178, 983-988.	3.8	24
60	Human signal transducer and activator of transcription 5b (STAT5b) mutation causes dysregulated human natural killer cell maturation and impaired lytic function. Journal of Allergy and Clinical Immunology, 2020, 145, 345-357.e9.	2.9	24
61	Natural Killer Cell Integrins and Their Functions in Tissue Residency. Frontiers in Immunology, 2021, 12, 647358.	4.8	24
62	New views of the human NK cell immunological synapse: recent advances enabled by super- and high-resolution imaging techniques. Frontiers in Immunology, 2012, 3, 421.	4.8	23
63	Warts and DADA2: a Mere Coincidence?. Journal of Clinical Immunology, 2018, 38, 836-843.	3.8	23
64	CD2 Promotes Human Natural Killer Cell Membrane Nanotube Formation. PLoS ONE, 2012, 7, e47664.	2.5	23
65	Dual channel STED nanoscopy of lytic granules on actin filaments in natural killer cells. Communicative and Integrative Biology, 2012, 5, 184-186.	1.4	22
66	A novel Rab27a mutation binds melanophilin, but not Munc13-4, causing immunodeficiency without albinism. Journal of Allergy and Clinical Immunology, 2016, 138, 599-601.e3.	2.9	22
67	Bi-allelic MCM10 variants associated with immune dysfunction and cardiomyopathy cause telomere shortening. Nature Communications, 2021, 12, 1626.	12.8	22
68	Treatment of Relapsing HPV Diseases by Restored Function of Natural Killer Cells. New England Journal of Medicine, 2021, 385, 921-929.	27.0	22
69	Schistosome Soluble Egg Antigen Decreases <i>Mycobacterium tuberculosis</i> –Specific CD4 ⁺ T-Cell Effector Function With Concomitant Arrest of Macrophage Phago-Lysosome Maturation. Journal of Infectious Diseases, 2016, 214, 479-488.	4.0	21
70	Early Signaling in Primary T Cells Activated by Antigen Presenting Cells Is Associated with a Deep and Transient Lamellal Actin Network. PLoS ONE, 2015, 10, e0133299.	2.5	19
71	Novel Heterozygous Mutation in NFKB2 Is Associated With Early Onset CVID and a Functional Defect in NK Cells Complicated by Disseminated CMV Infection and Severe Nephrotic Syndrome. Frontiers in Pediatrics, 2019, 7, 303.	1.9	18
72	Multiple distinct NK-cell synapses. Blood, 2011, 118, 6475-6476.	1.4	17

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73	Notch Regulates Innate Lymphoid Cell Plasticity during Human NK Cell Development. Journal of Immunology, 2020, 205, 2679-2693.	0.8	17
74	Myeloid malignancies with somaticGATA2mutations can be associated with an immunodeficiency phenotype. Leukemia and Lymphoma, 2019, 60, 2025-2033.	1.3	15
75	AHR Regulates NK Cell Migration via ASB2–Mediated Ubiquitination of Filamin A. Frontiers in Immunology, 2021, 12, 624284.	4.8	14
76	Quantification of natural killer cell polarization and visualization of synaptic granule externalization by imaging flow cytometry. Clinical Immunology, 2017, 177, 70-75.	3.2	12
77	The Role of AIRE in the Immunity Against Candida Albicans in a Model of Human Macrophages. Frontiers in Immunology, 2018, 9, 567.	4.8	12
78	Human NK cells prime inflammatory DC precursors to induce Tc17 differentiation. Blood Advances, 2020, 4, 3990-4006.	5.2	12
79	NK cells in treated HIV-infected children display altered phenotype and function. Journal of Allergy and Clinical Immunology, 2019, 144, 294-303.e13.	2.9	11
80	Fc \hat{I}^3 receptor IIIa/CD16a processing correlates with the \hat{A} expression of glycan-related genes in human natural killer cells. Journal of Biological Chemistry, 2021, 296, 100183.	3.4	11
81	From stem cell to immune effector: how adhesion, migration, and polarity shape T-cell and natural killer cell lymphocyte development in vitro and in vivo. Molecular Biology of the Cell, 2020, 31, 981-991.	2.1	10
82	High- and Super-Resolution Microscopy Imaging of the NK Cell Immunological Synapse. Methods in Molecular Biology, 2016, 1441, 141-150.	0.9	9
83	Differential Integrin Adhesome Expression Defines Human NK Cell Residency and Developmental Stage. Journal of Immunology, 2021, 207, 950-965.	0.8	9
84	Visualization of the Immunological Synapse by Dual Color Time-gated Stimulated Emission Depletion (STED) Nanoscopy. Journal of Visualized Experiments, 2014, , .	0.3	8
85	Modest Interference with Actin Dynamics in Primary T Cell Activation by Antigen Presenting Cells Preferentially Affects Lamellal Signaling. PLoS ONE, 2015, 10, e0133231.	2.5	8
86	Comment on: Evidence of innate lymphoid cell redundancy in humans. Nature Immunology, 2018, 19, 788-789.	14.5	8
87	Immunodeficiency, centromeric instability, and facial anomalies (ICF) syndrome with NK dysfunction and EBV-driven malignancy treated with stem cell transplantation. Journal of Allergy and Clinical Immunology: in Practice, 2020, 8, 1103-1106.e3.	3.8	8
88	Identification and Targeting of the Developmental Blockade in Extranodal Natural Killer/T-cell Lymphoma. Blood Cancer Discovery, 2022, 3, 154-169.	5.0	8
89	Insights into primary immune deficiency from quantitative microscopy. Journal of Allergy and Clinical Immunology, 2015, 136, 1150-1162.	2.9	7
90	Requirements for human natural killer cell development informed by primary immunodeficiency. Current Opinion in Allergy and Clinical Immunology, 2016, 16, 541-548.	2.3	7

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91	Generation of cell-derived matrices that support human NK cell migration and differentiation. Journal of Leukocyte Biology, 2020, 108, 1369-1378.	3.3	7
92	Genetic errors of immunity distinguish pediatric nonmalignant lymphoproliferative disorders. Journal of Allergy and Clinical Immunology, 2022, 149, 758-766.	2.9	6
93	Primary Human NK Cell Gene-Editing Reveals a Critical Role for NKG2A in Cytokine-Induced Memory-like NK Cell Responses. Blood, 2019, 134, 3237-3237.	1.4	6
94	The coordinating role of IQGAP1 in the regulation of local, endosome-specific actin networks. Biology Open, 2017, 6, 785-799.	1.2	5
95	Diversity of human NK cell developmental pathways defined by single-cell analyses. Current Opinion in Immunology, 2022, 74, 106-111.	5.5	5
96	A research-driven approach to the identification of novel natural killer cell deficiencies affecting cytotoxic function. Blood, 2020, 135, 629-637.	1.4	4
97	Tumorigenic adenovirus 12 cells evade NK cell lysis by reducing the expression of NKG2D ligands. Immunology Letters, 2012, 144, 16-23.	2.5	3
98	HIV Progression Perturbs the Balance of the Cell-Mediated and Anti-Inflammatory Adaptive and Innate Mycobacterial Immune Response. Mediators of Inflammation, 2016, 2016, 1-6.	3.0	3
99	Membrane and Actin Tethering Transitions Help IQGAP1 Coordinate GTPase and Lipid Messenger Signaling. Biophysical Journal, 2020, 118, 586-599.	0.5	3
100	Three-Dimensional Printing of Super-Resolution Microscopy Images. Microscopy Today, 2015, 23, 26-29.	0.3	2
101	LFA-1 Binding to Ligand Induces Talin-Mediated Reorganization of the Actin Cytoskeleton in Cytotoxic T Cells~!2008-07-24~!2008-11-14~!2008-12-05~!. The Open Immunology Journal, 2008, 1, 51-61.	1.5	2
102	Undetectable NK Cells due to the FCGR3A Variant, L66H, Which May Not Be Directly Disease-Causing. Journal of Clinical Immunology, 2021, 41, 1957-1959.	3.8	1
103	Hemophagocytic Lymphohistiocytosis Associated with NK Cell Dysfunction and Disseminated Herpesvirus Infection in GATA2 Deficiency/Monomac Syndrome. Blood, 2014, 124, 4978-4978.	1.4	1
104	Profiling natural killers in COVID-19. Journal of Allergy and Clinical Immunology, 2022, , .	2.9	1
105	Discovering the Cause of Wiskott–Aldrich Syndrome and Laying the Foundation for Understanding Immune Cell Structuring. Journal of Immunology, 2018, 200, 3667-3670.	0.8	0
106	Editorial: Molecular and Cellular Pathways in NK Cell Development. Frontiers in Immunology, 2020, 11, 1448.	4.8	0
107	4547 Understanding the molecular mechanism of natural killer cell deficiency to improve natural killer cell <i>in vitro</i> differentiation for therapeutics. Journal of Clinical and Translational Science, 2020, 4, 20-20.	0.6	0
108	NK Cell Deficiency in Job's Syndrome Patients. Blood, 2012, 120, 3293-3293.	1.4	0

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109	NK Cell Deficiency In Job Syndrome Patients With Dominant Negative STAT3 Mutations. Blood, 2013, 122, 3476-3476.	1.4	0
110	Genomic Characterization of a Pediatric Cohort with Non-Malignant Lymphoproliferative Disorders. Blood, 2019, 134, 83-83.	1.4	0
111	A WICB 50th Favorite: Rapid lytic granule convergence to the MTOC in natural killer cells is dependent on dynein but not cytolytic commitment. Molecular Biology of the Cell, 2022, 33, fe2.	2.1	O
112	Quantifying Human Natural Killer Cell Migration by Imaging and Image Analysis. Methods in Molecular Biology, 2022, 2463, 129-151.	0.9	0