Geoffrey Neale

List of Publications by Year
in descending order

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93 papers	11,360 citations	50244 46 h-index	48277 88 g-index
94 all docs	94 docs citations	94 times ranked	19425 citing authors

#	Article	IF	Citations
1	HIF1Î±â€“dependent glycolytic pathway orchestrates a metabolic checkpoint for the differentiation of TH17 and Treg cells. Journal of Experimental Medicine, 2011, 208, 1367-1376.	4.2	1,447
2	Synergism of TNF-Î± and IFN-Î³ Triggers Inflammatory Cell Death, Tissue Damage, and Mortality in SARS-CoV-2 Infection and Cytokine Shock Syndromes. Cell, 2021, 184, 149-168.e17.	13.5	923
3	mTORC1 couples immune signals and metabolic programming to establish Treg-cell function. Nature, 2013, 499, 485-490.	13.7	645
4	The genomic landscape of hypodiploid acute lymphoblastic leukemia. Nature Genetics, 2013, 45, 242-252.	9.4	588
5	De Novo Epigenetic Programs Inhibit PD-1 Blockade-Mediated T Cell Rejuvenation. Cell, 2017, 170, 142-157.e19.	13.5	536
6	ZBP1/DAI is an innate sensor of influenza virus triggering the NLRP3 inflammasome and programmed cell death pathways. Science Immunology, 2016, 1, .	5.6	464
7	A novel retinoblastoma therapy from genomic and epigenetic analyses. Nature, 2012, 481, 329-334.	13.7	442
8	Autophagy enforces functional integrity of regulatory T cells by coupling environmental cues and metabolic homeostasis. Nature Immunology, 2016, 17, 277-285.	7.0	357
9	T Cell Exit from Quiescence and Differentiation into Th2 Cells Depend on Raptor-mTORC1-Mediated Metabolic Reprogramming. Immunity, 2013, 39, 1043-1056.	6.6	316
10	Treg cells require the phosphatase PTEN to restrain TH1 and TFH cell responses. Nature Immunology, 2015, 16, 178-187.	7.0	309
11	The transcription factor IRF1 and guanylate-binding proteins target activation of the AIM2 inflammasome by Francisella infection. Nature Immunology, 2015, 16, 467-475.	7.0	291
12	mTORC1 and mTORC2 Kinase Signaling and Glucose Metabolism Drive Follicular Helper T Cell Differentiation. Immunity, 2016, 45, 540-554.	6.6	283
13	Critical Role for the DNA Sensor AIM2 in Stem Cell Proliferation and Cancer. Cell, 2015, 162, 45-58.	13.5	266
14	The tumor suppressor Tsc1 enforces quiescence of naive T cells to promote immune homeostasis and function. Nature Immunology, 2011, 12, 888-897.	7.0	247
15	IRGB10 Liberates Bacterial Ligands for Sensing by the AIM2 and Caspase-11-NLRP3 Inflammasomes. Cell, 2016, 167, 382-396.e17.	13.5	237
16	TNF Counterbalances the Emergence of M2 Tumor Macrophages. Cell Reports, 2015, 12, 1902-1914.	2.9	232
17	ADAR1 restricts ZBP1-mediated immune response and PANoptosis to promote tumorigenesis. Cell Reports, 2021, 37, 109858.	2.9	157
18	Hippo/Mst signalling couples metabolic state and immune function of CD8Î±+ dendritic cells. Nature, 2018, 558, 141-145.	13.7	152

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19	Homeostatic control of metabolic and functional fitness of Treg cells by LKB1 signalling. Nature, 2017, 548, 602-606.	13.7	143
20	IRF8 Regulates Transcription of Naips for NLRC4 Inflammasome Activation. Cell, 2018, 173, 920-933.e13.	13.5	142
21	Metabolic heterogeneity underlies reciprocal fates of TH17 cell stemness and plasticity. Nature, 2019, 565, 101-105.	13.7	141
22	SYK-CARD9 Signaling Axis Promotes Gut Fungi-Mediated Inflammasome Activation to Restrict Colitis and Colon Cancer. Immunity, 2018, 49, 515-530.e5.	6.6	138
23	mTOR coordinates transcriptional programs and mitochondrial metabolism of activated Treg subsets to protect tissue homeostasis. Nature Communications, 2018, 9, 2095.	5.8	133
24	Multi-organ Mapping of Cancer Risk. Cell, 2016, 166, 1132-1146.e7.	13.5	128
25	Myeloid-Derived Suppressor Activity Is Mediated by Monocytic Lineages Maintained by Continuous Inhibition of Extrinsic and Intrinsic Death Pathways. Immunity, 2014, 41, 947-959.	6.6	121
26	Molecular Characterization of the Pediatric Preclinical Testing Panel. Clinical Cancer Research, 2008, 14, 4572-4583.	3.2	116
27	Outcomes by Clinical and Molecular Features in Children With Medulloblastoma Treated With Risk-Adapted Therapy: Results of an International Phase III Trial (SJMB03). Journal of Clinical Oncology, 2021, 39, 822-835.	0.8	106
28	Germline Elongator mutations in Sonic Hedgehog medulloblastoma. Nature, 2020, 580, 396-401.	13.7	94
29	Mutational Landscape and Patterns of Clonal Evolution in Relapsed Pediatric Acute Lymphoblastic Leukemia. Blood Cancer Discovery, 2020, 1, 96-111.	2.6	93
30	Hippo Kinases Mst1 and Mst2 Sense and Amplify IL-2R-STAT5 Signaling in Regulatory T Cells to Establish Stable Regulatory Activity. Immunity, 2018, 49, 899-914.e6.	6.6	84
31	The Hippo Pathway Prevents YAP/TAZ-Driven Hypertranscription and Controls Neural Progenitor Number. Developmental Cell, 2018, 47, 576-591.e8.	3.1	80
32	IRF1 Is a Transcriptional Regulator of ZBP1 Promoting NLRP3 Inflammasome Activation and Cell Death during Influenza Virus Infection. Journal of Immunology, 2018, 200, 1489-1495.	0.4	78
33	Inherited coding variants at the CDKN2A locus influence susceptibility to acute lymphoblastic leukaemia in children. Nature Communications, 2015, 6, 7553.	5.8	72
34	Cathepsin B modulates lysosomal biogenesis and host defense against Francisella novicida infection. Journal of Experimental Medicine, 2016, 213, 2081-2097.	4.2	72
35	Relapse-Fated Latent Diagnosis Subclones in Acute B Lineage Leukemia Are Drug Tolerant and Possess Distinct Metabolic Programs. Cancer Discovery, 2020, 10, 568-587.	7.7	72
36	MYC competes with MiT/TFE in regulating lysosomal biogenesis and autophagy through an epigenetic rheostat. Nature Communications, 2019, 10, 3623.	5.8	71

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37	Cohort Profile: The St. Jude Lifetime Cohort Study (SJLIFE) for paediatric cancer survivors. International Journal of Epidemiology, 2021, 50, 39-49.	0.9	70
38	Genome-Wide Association Study to Identify Susceptibility Loci That Modify Radiation-Related Risk for Breast Cancer After Childhood Cancer. Journal of the National Cancer Institute, 2017, 109, .	3.0	66
39	Tsc1 promotes the differentiation of memory CD8 ⁺ T cells via orchestrating the transcriptional and metabolic programs. Proceedings of the National Academy of Sciences of the United States of America, 2014, 111, 14858-14863.	3.3	64
40	Serial assessment of measurable residual disease in medulloblastoma liquid biopsies. Cancer Cell, 2021, 39, 1519-1530.e4.	7.7	64
41	Metabolic signaling directs the reciprocal lineage decisions of Î±Î² and Î³Î´ T cells. Science Immunology, 2018, 3, .	5.6	63
42	An in vivo screen identifies ependymoma oncogenes and tumor-suppressor genes. Nature Genetics, 2015, 47, 878-887.	9.4	62
43	SK-NEP-1 and Rh1 are Ewing family tumor lines. Pediatric Blood and Cancer, 2008, 50, 703-706.	0.8	61
44	Homeostasis and transitional activation of regulatory T cells require c-Myc. Science Advances, 2020, 6, eaaw6443.	4.7	59
45	Genetic risk factors for the development of osteonecrosis in children under age 10 treated for acute lymphoblastic leukemia. Blood, 2016, 127, 558-564.	0.6	56
46	Mito-protective autophagy is impaired in erythroid cells of aged mtDNA-mutator mice. Blood, 2015, 125, 162-174.	0.6	53
47	T Cells Encountering Myeloid Cells Programmed for Amino Acid-dependent Immunosuppression Use Rictor/mTORC2 Protein for Proliferative Checkpoint Decisions. Journal of Biological Chemistry, 2017, 292, 15-30.	1.6	52
48	LKB1 orchestrates dendritic cell metabolic quiescence and anti-tumor immunity. Cell Research, 2019, 29, 391-405.	5.7	45
49	Low-level GATA2 overexpression promotes myeloid progenitor self-renewal and blocks lymphoid differentiation in mice. Experimental Hematology, 2015, 43, 565-577.e10.	0.2	43
50	Binding of estrogen receptors to switch sites and regulatory elements in the immunoglobulin heavy chain locus of activated B cells suggests a direct influence of estrogen on antibody expression. Molecular Immunology, 2016, 77, 97-102.	1.0	42
51	Critical roles of mTORC1 signaling and metabolic reprogramming for M-CSFâ€“mediated myelopoiesis. Journal of Experimental Medicine, 2017, 214, 2629-2647.	4.2	42
52	XAF1 as a modifier of p53 function and cancer susceptibility. Science Advances, 2020, 6, eaba3231.	4.7	37
53	Epigenetic Age Acceleration and Chronic Health Conditions Among Adult Survivors of Childhood Cancer. Journal of the National Cancer Institute, 2021, 113, 597-605.	3.0	37
54	Upregulated heme biosynthesis, an exploitable vulnerability in MYCN-driven leukemogenesis. JCI Insight, 2017, 2, .	2.3	37

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55	An Epithelial Integrin Regulates the Amplitude of Protective Lung Interferon Responses against Multiple Respiratory Pathogens. PLoS Pathogens, 2016, 12, e1005804.	2.1	37
56	Discrete roles and bifurcation of PTEN signaling and mTORC1-mediated anabolic metabolism underlie IL-7â€“driven B lymphopoiesis. Science Advances, 2018, 4, eaar5701.	4.7	35
57	Complex sex-biased antibody responses: estrogen receptors bind estrogen response elements centered within immunoglobulin heavy chain gene enhancers. International Immunology, 2019, 31, 141-156.	1.8	35
58	Maternal bile acid transporter deficiency promotes neonatal demise. Nature Communications, 2015, 6, 8186.	5.8	34
59	Identification of Clinical and Biologic Correlates Associated With Outcome in Children With Adrenocortical Tumors Without Germline TP53 Mutations: A St Jude Adrenocortical Tumor Registry and Childrenâ€™s Oncology Group Study. Journal of Clinical Oncology, 2017, 35, 3956-3963.	0.8	33
60	PLCÎ³-dependent mTOR signalling controls IL-7-mediated early B cell development. Nature Communications, 2017, 8, 1457.	5.8	30
61	An Eye Organoid Approach Identifies Six3 Suppression of R-spondin 2 as a Critical Step in Mouse Neuroretina Differentiation. Cell Reports, 2017, 21, 1534-1549.	2.9	28
62	Bromodomain-Selective BET Inhibitors Are Potent Antitumor Agents against MYC-Driven Pediatric Cancer. Cancer Research, 2020, 80, 3507-3518.	0.4	28
63	Forty-five patient-derived xenografts capture the clinical and biological heterogeneity of Wilms tumor. Nature Communications, 2019, 10, 5806.	5.8	27
64	Prognostic Significance of Major Histocompatibility Complex Class II Expression in Pediatric Adrenocortical Tumors: A St. Jude and Children's Oncology Group Study. Clinical Cancer Research, 2016, 22, 6247-6255.	3.2	22
65	Matters of life and death: How estrogen and estrogen receptor binding to the immunoglobulin heavy chain locus may influence outcomes of infection, allergy, and autoimmune disease. Cellular Immunology, 2019, 346, 103996.	1.4	20
66	Downregulation of Prdm16 mRNA is a specific antileukemic mechanism during HOXB4-mediated HSC expansion in vivo. Blood, 2014, 124, 1737-1747.	0.6	19
67	Lack of Prox1 Downregulation Disrupts the Expansion and Maturation of Postnatal Murine Î²-Cells. Diabetes, 2016, 65, 687-698.	0.3	18
68	Evaluation of a two-step iterative resampling procedure for internal validation of genome-wide association studies. Journal of Human Genetics, 2015, 60, 729-738.	1.1	17
69	Vitamin A deficient mice exhibit increased viral antigens and enhanced cytokine/chemokine production in nasal tissues following respiratory virus infection despite the presence of FoxP3 + T cells. International Immunology, 2016, 28, 139-152.	1.8	17
70	Exogenous remodeling of lung resident macrophages protects against infectious consequences of bone marrow-suppressive chemotherapy. Proceedings of the National Academy of Sciences of the United States of America, 2016, 113, E6153-E6161.	3.3	16
71	A MyD88/IL1R Axis Regulates PD-1 Expression on Tumor-Associated Macrophages and Sustains Their Immunosuppressive Function in Melanoma. Cancer Research, 2021, 81, 2358-2372.	0.4	16
72	Persistent variations of blood DNA methylation associated with treatment exposures and risk for cardiometabolic outcomes in long-term survivors of childhood cancer in the St. Jude Lifetime Cohort. Genome Medicine, 2021, 13, 53.	3.6	16

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73	Hippo/Mst signaling coordinates cellular quiescence with terminal maturation in iNKT cell development and fate decisions. Journal of Experimental Medicine, 2020, 217, .	4.2	15
74	Interferon inducible GBPs restrict Burkholderia thailandensisÂmotility induced cell-cell fusion. PLoS Pathogens, 2020, 16, e1008364.	2.1	15
75	Will Attention by Vaccine Developers to the Hostâ€™s Nuclear Hormone Levels and Immunocompetence Improve Vaccine Success?. Vaccines, 2019, 7, 26.	2.1	14
76	Uncovering the Genomic Landscape in Newly Diagnosed and Relapsed Pediatric Cytogenetically Normal FLT3â€ITD AML. Clinical and Translational Science, 2019, 12, 641-647.	1.5	12
77	Genome-wide association studies identify novel genetic loci for epigenetic age acceleration among survivors of childhood cancer. Genome Medicine, 2022, 14, 32.	3.6	12
78	Prox1-Heterozygosis Sensitizes the Pancreas to Oncogenic Kras-Induced Neoplastic Transformation. Neoplasia, 2016, 18, 172-184.	2.3	11
79	Gfi1-Foxo1 axis controls the fidelity of effector gene expression and developmental maturation of thymocytes. Proceedings of the National Academy of Sciences of the United States of America, 2017, 114, E67-E74.	3.3	11
80	Mevalonate metabolismâ€“dependent protein geranylgeranylation regulates thymocyte egress. Journal of Experimental Medicine, 2020, 217, .	4.2	10
81	From Influenza Virus Infections to Lupus: Synchronous Estrogen ReceptorÎ±and RNA Polymerase II Binding Within the Immunoglobulin Heavy Chain Locus. Viral Immunology, 2020, 33, 307-315.	0.6	9
82	The Common Germline TP53-R337H Mutation Is Hypomorphic and Confers Incomplete Penetrance and Late Tumor Onset in a Mouse Model. Cancer Research, 2021, 81, 2442-2456.	0.4	9
83	Tissue-Specific Regulation of the Wnt/Î²-Catenin Pathway by PAGE4 Inhibition of Tankyrase. Cell Reports, 2020, 32, 107922.	2.9	7
84	Expansion and CD2/CD3/CD28 stimulation enhance Th2 cytokine secretion of human invariant NKT cells with retained anti-tumor cytotoxicity. Cytotherapy, 2020, 22, 276-290.	0.3	7
85	Astrovirus-induced epithelial-mesenchymal transition via activated TGF-Î² increases viral replication. PLoS Pathogens, 2022, 18, e1009716.	2.1	7
86	SLFN11 is Widely Expressed in Pediatric Sarcoma and Induces Variable Sensitization to Replicative Stress Caused By DNA-Damaging Agents. Molecular Cancer Therapeutics, 2021, 20, 2151-2165.	1.9	6
87	Blood DNA methylation signatures are associated with social determinants of health among survivors of childhood cancer. Epigenetics, 2022, , 1-15.	1.3	5
88	Heme Interaction with the Pyruvate Dehydrogenase Complex: A Novel Strategy to Promote Hypoxic Survival. FASEB Journal, 2019, 33, 652.12.	0.2	3
89	Mutational Landscape and Patterns of Clonal Evolution in Relapsed Pediatric Acute Lymphoblastic Leukemia. Blood Cancer Discovery, 2020, 1, 96-111.	2.6	3
90	Abstract 685: A social epigenomic investigation of racial disparity in pulmonary impairment among aging survivors of childhood cancer. , 2021, , .		0

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91	Abstract 904: Epigenome-wide association study of dyslipidemia in survivors of childhood cancer: A report from the St. Jude lifetime cohort. , 2021, , .		0
92	The ABC transporter Mrp4 (Abcc4) plays a crucial role in normal testosterone production. FASEB Journal, 2011, 25, 1015.9.	0.2	0
93	Deregulated Hepatic Metabolism Exacerbates Impaired Testosterone Production in Mrp4â€Deficient Mice. FASEB Journal, 2012, 26, .	0.2	0