W Nicholas Haining

List of Publications by Year
in descending order

70 papers	16,479 citations	81434 41 h-index	116156 66 g-index
75 all docs	75 docs citations	75 times ranked	28670 citing authors

#	Article	IF	Citations
1	Batf-mediated epigenetic control of effector CD8 ⁺ T cell differentiation. Science Immunology, 2022, 7, eabi4919.	5.6	19
2	InÂvivo screens using a selective CRISPR antigen removal lentiviral vector system reveal immune dependencies in renal cell carcinoma. Immunity, 2021, 54, 571-585.e6.	6.6	50
3	Epigenetic Features of HIV-Induced T-Cell Exhaustion Persist Despite Early Antiretroviral Therapy. Frontiers in Immunology, 2021, 12, 647688.	2.2	19
4	Epigenetic scars of CD8+ T cell exhaustion persist after cure of chronic infection in humans. Nature Immunology, 2021, 22, 1020-1029.	7.0	124
5	Differentiation of exhausted CD8+ T cells after termination of chronic antigen stimulation stops short of achieving functional T cell memory. Nature Immunology, 2021, 22, 1030-1041.	7.0	63
6	The PD-1 Pathway Regulates Development and Function of Memory CD8+ T Cells following Respiratory Viral Infection. Cell Reports, 2020, 31, 107827.	2.9	72
7	9-O-acetyl sialic acid levels identify committed progenitors of plasmacytoid dendritic cells. Glycobiology, 2019, 29, 861-875.	1.3	1
8	Defining â€˜T cell exhaustionâ€™. Nature Reviews Immunology, 2019, 19, 665-674.	10.6	879
9	A CRISPR-Cas9 delivery system for in vivo screening of genes in the immune system. Nature Communications, 2019, 10, 1668.	5.8	78
10	Subsets of exhausted CD8+ T cells differentially mediate tumor control and respond to checkpoint blockade. Nature Immunology, 2019, 20, 326-336.	7.0	1,148
11	PTPN2 regulates the generation of exhausted CD8+ T cell subpopulations and restrains tumor immunity. Nature Immunology, 2019, 20, 1335-1347.	7.0	142
12	Fibroblastic reticular cells enhance T cell metabolism and survival via epigenetic remodeling. Nature Immunology, 2019, 20, 1668-1680.	7.0	53
13	Loss of ADAR1 in tumours overcomes resistance to immune checkpoint blockade. Nature, 2019, 565, 43-48.	13.7	449
14	c-Maf in CD4+ T cells: itâ€™s all about context. Nature Immunology, 2018, 19, 429-431.	7.0	5
15	Pooled in vivo screens for cancer immunotherapy target discovery. Immunotherapy, 2018, 10, 167-170.	1.0	3
16	Comparative transcriptome analysis reveals distinct genetic modules associated with Helios expression in intratumoral regulatory T cells. Proceedings of the National Academy of Sciences of the United States of America, 2018, 115, 2162-2167.	3.3	36
17	CDK4/6 Inhibition Augments Antitumor Immunity by Enhancing T-cell Activation. Cancer Discovery, 2018, 8, 216-233.	7.7	503
18	Maintenance of CD4 T cell fitness through regulation of Foxo1. Nature Immunology, 2018, 19, 838-848.	7.0	49

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19	The metabolic function of cyclin D3â€“CDK6 kinase in cancer cell survival. Nature, 2017, 546, 426-430.	13.7	276
20	PD-L1 on tumor cells is sufficient for immune evasion in immunogenic tumors and inhibits CD8 T cell cytotoxicity. Journal of Experimental Medicine, 2017, 214, 895-904.	4.2	614
21	The histone demethylase UTX regulates the lineage-specific epigenetic program of invariant natural killer T cells. Nature Immunology, 2017, 18, 184-195.	7.0	56
22	Early Transcriptional Divergence Marks Virus-Specific Primary Human CD8+ T Cells in Chronic versus Acute Infection. Immunity, 2017, 47, 648-663.e8.	6.6	50
23	Targeted reconstruction of T cell receptor sequence from single cell RNA-seq links CDR3 length to T cell differentiation state. Nucleic Acids Research, 2017, 45, e148-e148.	6.5	77
24	In vivo CRISPR screening identifies Ptpn2 as a cancer immunotherapy target. Nature, 2017, 547, 413-418.	13.7	792
25	Origin and differentiation of human memory CD8 T cells after vaccination. Nature, 2017, 552, 362-367.	13.7	412
26	Normalizing the environment recapitulates adult human immune traits in laboratory mice. Nature, 2016, 532, 512-516.	13.7	848
27	Sequential Infection with Common Pathogens Promotes Human-like Immune Gene Expression and Altered Vaccine Response. Cell Host and Microbe, 2016, 19, 713-719.	5.1	189
28	Suppression by TFR cells leads to durable and selective inhibition of B cell effector function. Nature Immunology, 2016, 17, 1436-1446.	7.0	189
29	Immediate Dysfunction of Vaccine-Elicited CD8+ T Cells Primed in the Absence of CD4+ T Cells. Journal of Immunology, 2016, 197, 1809-1822.	0.4	41
30	The epigenetic landscape of T cell exhaustion. Science, 2016, 354, 1165-1169.	6.0	694
31	Epigenetic stability of exhausted T cells limits durability of reinvigoration by PD-1 blockade. Science, 2016, 354, 1160-1165.	6.0	939
32	Compendium of Immune Signatures Identifies Conserved and Species-Specific Biology in Response to Inflammation. Immunity, 2016, 44, 194-206.	6.6	238
33	A Regulatory T-Cell Gene Signature Is a Specific and Sensitive Biomarker to Identify Children With New-Onset Type 1 Diabetes. Diabetes, 2016, 65, 1031-1039.	0.3	59
34	Early Effector CD8 T Cells Display Plasticity in Populating the Short-Lived Effector and Memory-Precursor Pools Following Bacterial or Viral Infection. Scientific Reports, 2015, 5, 12264.	1.6	41
35	Inducible RNAi in vivo reveals that the transcription factor BATF is required to initiate but not maintain CD8 ⁺ T-cell effector differentiation. Proceedings of the National Academy of Sciences of the United States of America, 2015, 112, 512-517.	3.3	29
36	Vaccine-elicited CD4 T cells induce immunopathology after chronic LCMV infection. Science, 2015, 347, 278-282.	6.0	71

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37	Stable inhibitory activity of regulatory T cells requires the transcription factor Helios. Science, 2015, 350, 334-339.	6.0	323
38	CD39 Expression Identifies Terminally Exhausted CD8+ T Cells. PLoS Pathogens, 2015, 11, e1005177.	2.1	296
39	Strength in numbers: comparing vaccine signatures the modular way. Nature Immunology, 2014, 15, 139-141.	7.0	3
40	The transcription factor BATF operates as an essential differentiation checkpoint in early effector CD8+ T cells. Nature Immunology, 2014, 15, 373-383.	7.0	289
41	Gene signatures related to <scp>B</scp>â€cell proliferation predict influenza vaccineâ€induced antibody response. European Journal of Immunology, 2014, 44, 285-295.	1.6	57
42	Transcriptional Hallmarks Of Tumor Infiltrating Lymphocyte Responses To Melanoma. Blood, 2013, 122, 3491-3491.	0.6	1
43	The Transcription Factor BATF Controls CD8+ T Cell Effector Differentiation. Blood, 2013, 122, 189-189.	0.6	1
44	Deconvolving heterogeneity in the CD8+ T-cell response to HIV. Current Opinion in HIV and AIDS, 2012, 7, 38-43.	1.5	1
45	Travels in time: Assessing the functional complexity of T cells. Proceedings of the National Academy of Sciences of the United States of America, 2012, 109, 1359-1360.	3.3	8
46	The Numerology of T Cell Functional Diversity. Immunity, 2012, 36, 10-12.	6.6	4
47	Identifying gnostic predictors of the vaccine response. Current Opinion in Immunology, 2012, 24, 332-336.	2.4	17
48	Reversal of T Cell Exhaustion in Pre-Treatment Marrow T Cells Is Associated with Effective Graft-Versus-Leukemia Responses to Donor Lymphocyte Infusion. Blood, 2012, 120, 1903-1903.	0.6	0
49	Systems biology of vaccination for seasonal influenza in humans. Nature Immunology, 2011, 12, 786-795.	7.0	749
50	Densely Interconnected Transcriptional Circuits Control Cell States in Human Hematopoiesis. Cell, 2011, 144, 296-309.	13.5	843
51	Phenotype, Function, and Gene Expression Profiles of Programmed Death-1hi CD8 T Cells in Healthy Human Adults. Journal of Immunology, 2011, 186, 4200-4212.	0.4	211
52	Integrating Genomic Signatures for Immunologic Discovery. Immunity, 2010, 32, 152-161.	6.6	52
53	Transcriptional analysis of HIV-specific CD8+ T cells shows that PD-1 inhibits T cell function by upregulating BATF. Nature Medicine, 2010, 16, 1147-1151.	15.2	448
54	Coregulation of CD8+ T cell exhaustion by multiple inhibitory receptors during chronic viral infection. Nature Immunology, 2009, 10, 29-37.	7.0	1,754

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55	Integrative Genomic Analysis of HIV-Specific CD8+ T Cells Reveals That PD-1 Inhibits T Cell Function by Upregulating the AP-1 Transcription Factor BATF.. Blood, 2009, 114, 916-916.	0.6	0
56	High-throughput gene expression profiling of memory differentiation in primary human T cells. BMC Immunology, 2008, 9, 44.	0.9	25
57	Identification of an Evolutionarily Conserved Transcriptional Signature of CD8 Memory Differentiation That Is Shared by T and B Cells. Journal of Immunology, 2008, 181, 1859-1868.	0.4	65
58	CpG Oligodeoxynucleotides Alter Lymphocyte and Dendritic Cell Trafficking in Humans. Clinical Cancer Research, 2008, 14, 5626-5634.	3.2	65
59	Functional and Genomic Profiling of Effector CD8 T Cell Subsets with Distinct Fates. FASEB Journal, 2008, 22, 846.16.	0.2	3
60	Molecular Signature of CD8+ T Cell Exhaustion during Chronic Viral Infection. Immunity, 2007, 27, 670-684.	6.6	1,695
61	A Novel Role for CpG Oligonucleotides in Tumor Immunotherapy: CpG-ODN Induce Targeted Chemokine-Induced Lymphocyte Migration to the Peripheral Tissues in Humans.. Blood, 2007, 110, 1791-1791.	0.6	0
62	All Memory Lymphocytes Share a Common Differentiation Program.. Blood, 2006, 108, 865-865.	0.6	0
63	Antigen-specific T-cell memory is preserved in children treated for acute lymphoblastic leukemia. Blood, 2005, 106, 1749-1754.	0.6	44
64	Failure to define window of time for autologous tumor vaccination in patients with newly diagnosed or relapsed acute lymphoblastic leukemia. Experimental Hematology, 2005, 33, 286-294.	0.2	30
65	Gene Expression Profiling Identifies BAX-Î´ as a Novel Tumor Antigen in Acute Lymphoblastic Leukemia. Cancer Research, 2005, 65, 10050-10058.	0.4	33
66	Transcriptional Mapping of T Cell Memory Reveals That Chronic Viral Infection Arrests Memory Differentiation.. Blood, 2005, 106, 328-328.	0.6	2
67	pH-Triggered Microparticles for Peptide Vaccination. Journal of Immunology, 2004, 173, 2578-2585.	0.4	72
68	Measuring T cell immunity to influenza vaccination in children after haemopoietic stem cell transplantation. British Journal of Haematology, 2004, 127, 322-325.	1.2	30
69	Protective, Antigen-Specific Immunity in Children Treated for ALL Is Due to Selective Preservation of T-Cell Memory.. Blood, 2004, 104, 600-600.	0.6	0
70	Adoptive T-Cell Therapy for B-Cell Acute Lymphoblastic Leukemia: Preclinical Studies. Blood, 1999, 94, 3531-3540.	0.6	28