Naomi Taylor

List of Publications by Year
in descending order

44 papers	3,133 citations	257450 24 h-index	265206 42 g-index
46 all docs	46 docs citations	46 times ranked	4741 citing authors

#	Article	IF	Citations
1	The Ubiquitous Glucose Transporter GLUT-1 Is a Receptor for HTLV. Cell, 2003, 115, 449-459.	28.9	394
2	Glutamine-dependent Î±-ketoglutarate production regulates the balance between T helper 1 cell and regulatory T cell generation. Science Signaling, 2015, 8, ra97.	3.6	372
3	Isolation and functional characterization of human erythroblasts at distinct stages: implications for understanding of normal and disordered erythropoiesis in vivo. Blood, 2013, 121, 3246-3253.	1.4	307
4	Glucose and Glutamine Metabolism Regulate Human Hematopoietic Stem Cell Lineage Specification. Cell Stem Cell, 2014, 15, 169-184.	11.1	226
5	Erythrocyte Glut1 Triggers Dehydroascorbic Acid Uptake in Mammals Unable to Synthesize Vitamin C. Cell, 2008, 132, 1039-1048.	28.9	225
6	CAR Tâ€cell therapy of solid tumors. Immunology and Cell Biology, 2017, 95, 356-363.	2.3	155
7	Glut1-mediated glucose transport regulates HIV infection. Proceedings of the National Academy of Sciences of the United States of America, 2012, 109, 2549-2554.	7.1	130
8	IL-7 surface-engineered lentiviral vectors promote survival and efficient gene transfer in resting primary T lymphocytes. Blood, 2003, 101, 2167-2174.	1.4	103
9	Glucose transporter 1 expression identifies a population of cycling CD4+CD8+ human thymocytes with high CXCR4-induced chemotaxis. Proceedings of the National Academy of Sciences of the United States of America, 2005, 102, 12867-12872.	7.1	85
10	Metabolic regulation of hematopoietic stem cell commitment and erythroid differentiation. Current Opinion in Hematology, 2016, 23, 198-205.	2.5	83
11	Cell surface Glut1 levels distinguish human CD4 and CD8 T lymphocyte subsets with distinct effector functions. Scientific Reports, 2016, 6, 24129.	3.3	82
12	Characterization of HLH-like manifestations as a CRS variant in patients receiving CD22 CAR T cells. Blood, 2021, 138, 2469-2484.	1.4	79
13	The Glut1 and Glut4 glucose transporters are differentially expressed during perinatal and postnatal erythropoiesis. Blood, 2008, 112, 4729-4738.	1.4	71
14	Isolated receptor binding domains of HTLV-1 and HTLV-2 envelopes bind Glut-1 on activated CD4+ and CD8+ T cells. Retrovirology, 2007, 4, 31.	2.0	64
15	Entry of glucose- and glutamine-derived carbons into the citric acid cycle supports early steps of HIV-1 infection in CD4 T cells. Nature Metabolism, 2019, 1, 717-730.	11.9	62
16	The HTLV receptor is an early T-cell activation marker whose expression requires de novo protein synthesis. Blood, 2003, 101, 1913-1918.	1.4	61
17	Erythroid glucose transporters. Current Opinion in Hematology, 2009, 16, 165-172.	2.5	60
18	CD19/22 CAR T cells in children and young adults with B-ALL: phase 1 results and development of a novel bicistronic CAR. Blood, 2022, 140, 451-463.	1.4	56

#	Article	IF	Citations
19	Developmental differences between neonatal and adult human erythropoiesis. American Journal of Hematology, 2018, 93, 494-503.	4.1	45
20	A predictable conserved DNA base composition signature defines human core DNA replication origins. Nature Communications, 2020, 11, 4826.	12.8	41
21	In vivo correction of ZAP-70 immunodeficiency by intrathymic gene transfer. Journal of Clinical Investigation, 2005, 115, 2287-2295.	8.2	41
22	Regulatory TÂcell differentiation is controlled by Î±KG-induced alterations in mitochondrial metabolism and lipid homeostasis. Cell Reports, 2021, 37, 109911.	6.4	39
23	Perforin-deficient CAR T cells recapitulate late-onset inflammatory toxicities observed in patients. Journal of Clinical Investigation, 2020, 130, 5425-5443.	8.2	37
24	Resveratrol stimulates the metabolic reprogramming of human CD4 ⁺ T cells to enhance effector function. Science Signaling, 2017, 10, .	3.6	29
25	Steroid resistance in Diamond Blackfan anemia associates with p57Kip2 dysregulation in erythroid progenitors. Journal of Clinical Investigation, 2020, 130, 2097-2110.	8.2	29
26	Universal antigen encoding of T cell activation from high-dimensional cytokine dynamics. Science, 2022, 376, 880-884.	12.6	29
27	An IDH1-vitamin C crosstalk drives human erythroid development by inhibiting pro-oxidant mitochondrial metabolism. Cell Reports, 2021, 34, 108723.	6.4	28
28	SASH3variants cause a novel form of X-linked combined immunodeficiency with immune dysregulation. Blood, 2021, 138, 1019-1033.	1.4	28
29	Intrathymic transplantation of bone marrowâ€“derived progenitors provides long-term thymopoiesis. Blood, 2010, 115, 1913-1920.	1.4	24
30	Intrathymic administration of hematopoietic progenitor cells enhances T cell reconstitution in ZAP-70 severe combined immunodeficiency. Proceedings of the National Academy of Sciences of the United States of America, 2005, 102, 13586-13591.	7.1	23
31	Cell Surface Expression of the Bovine Leukemia Virus-Binding Receptor on B and T Lymphocytes Is Induced by Receptor Engagement. Journal of Immunology, 2008, 181, 891-898.	0.8	19
32	Metabolic orchestration of T lineage differentiation and function. FEBS Letters, 2017, 591, 3104-3118.	2.8	19
33	Efficient Intrathymic Gene Transfer Following In Situ Administration of a rAAV Serotype 8 Vector in Mice and Nonhuman Primates. Molecular Therapy, 2009, 17, 472-479.	8.2	16
34	Metabolic pathways as regulators of HIV infection. Current Opinion in HIV and AIDS, 2013, 8, 182-189.	3.8	15
35	Intrathymic progenitor cell transplantation across histocompatibility barriers results in the persistence of early thymic progenitors and T-cell differentiation. Blood, 2013, 121, 2144-2153.	1.4	10
36	Human erythroid differentiation requires VDAC1-mediated mitochondrial clearance. Haematologica, 2022, 107, 167-177.	3.5	10

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37	Efficacy and Safety of Baricitinib in Refractory Chronic Graft-Versus-Host Disease (cGVHD): Preliminary Analysis Results of a Phase 1/2 Study. Blood, 2020, 136, 1-1.	1.4	10
38	Concise Review: Hematopoietic Stem Cell Transplantation: Targeting the Thymus. Stem Cells, 2013, 31, 1245-1251.	3.2	8
39	Intrathymic adeno-associated virus gene transfer rapidly restores thymic function and long-term persistence of gene-corrected T cells. Journal of Allergy and Clinical Immunology, 2020, 145, 679-697.e5.	2.9	6
40	Women in immunology: 2020 and beyond. Nature Immunology, 2020, 21, 254-258.	14.5	5
41	Targeting Glutamine Metabolism and PD-L1: A Novel Anti-tumor Pas de Deux. Molecular Cell, 2020, 80, 555-557.	9.7	4
42	Phosphate Transporter Profiles in Murine and Human Thymi Identify Thymocytes at Distinct Stages of Differentiation. Frontiers in Immunology, 2020, 11, 1562.	4.8	3
43	Abstract LB103: Novel DNA-based-T-cell-activation for the generation of chimeric antigen receptor T cells with enhanced anti-leukemia cytotoxicity. Cancer Research, 2022, 82, LB103-LB103.	0.9	0
44	A SNIPpet of safety: a Goldilocks approach in CAR-T therapy. Cell Research, 0, , .	12.0	0