List of Publications by Year in descending order

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ALEXANDER MARSON

#	Article	IF	CITATIONS
1	Genetic and epigenetic fine mapping of causal autoimmune disease variants. Nature, 2015, 518, 337-343.	27.8	1,669
2	Connecting microRNA Genes to the Core Transcriptional Regulatory Circuitry of Embryonic Stem Cells. Cell, 2008, 134, 521-533.	28.9	1,332
3	Multiplexed droplet single-cell RNA-sequencing using natural genetic variation. Nature Biotechnology, 2018, 36, 89-94.	17.5	745
4	Foxp3 occupancy and regulation of key target genes during T-cell stimulation. Nature, 2007, 445, 931-935.	27.8	644
5	Reprogramming human T cell function and specificity with non-viral genome targeting. Nature, 2018, 559, 405-409.	27.8	630
6	Generation of knock-in primary human T cells using Cas9 ribonucleoproteins. Proceedings of the National Academy of Sciences of the United States of America, 2015, 112, 10437-10442.	7.1	600
7	Enhancer connectome in primary human cells identifies target genes of disease-associated DNA elements. Nature Genetics, 2017, 49, 1602-1612.	21.4	419
8	Revisiting IL-2: Biology and therapeutic prospects. Science Immunology, 2018, 3, .	11.9	398
9	Wnt Signaling Promotes Reprogramming of Somatic Cells to Pluripotency. Cell Stem Cell, 2008, 3, 132-135.	11.1	396
10	Genome-wide CRISPR Screens in Primary Human T Cells Reveal Key Regulators of Immune Function. Cell, 2018, 175, 1958-1971.e15.	28.9	378
11	A genome-wide CRISPR screen identifies a restricted set of HIV host dependency factors. Nature Genetics, 2017, 49, 193-203.	21.4	290
12	Small-Molecule RORγt Antagonists Inhibit T Helper 17 Cell Transcriptional Network by Divergent Mechanisms. Immunity, 2014, 40, 477-489.	14.3	253
13	The Chromatin-Modifying Enzyme Ezh2 Is Critical for the Maintenance of Regulatory T Cell Identity after Activation. Immunity, 2015, 42, 227-238.	14.3	253
14	Evaluation of SARS-CoV-2 serology assays reveals a range of test performance. Nature Biotechnology, 2020, 38, 1174-1183.	17.5	251
15	Transcriptional role of cyclin D1 in development revealed by a genetic–proteomic screen. Nature, 2010, 463, 374-378.	27.8	247
16	Discovery of stimulation-responsive immune enhancers with CRISPR activation. Nature, 2017, 549, 111-115.	27.8	247
17	Inhibitory CD161 receptor identified in glioma-infiltrating TÂcells by single-cell analysis. Cell, 2021, 184, 1281-1298.e26.	28.9	210
18	Polymer-stabilized Cas9 nanoparticles and modified repair templates increase genome editing efficiency. Nature Biotechnology, 2020, 38, 44-49.	17.5	198

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19	Landscape of stimulation-responsive chromatin across diverse human immune cells. Nature Genetics, 2019, 51, 1494-1505.	21.4	196
20	A tissue checkpoint regulates type 2 immunity. Nature Immunology, 2016, 17, 1381-1387.	14.5	184
21	A Cas9 Ribonucleoprotein Platform for Functional Genetic Studies of HIV-Host Interactions in Primary Human T Cells. Cell Reports, 2016, 17, 1438-1452.	6.4	167
22	Thymic regulatory T cells arise via two distinct developmental programs. Nature Immunology, 2019, 20, 195-205.	14.5	163
23	CRISPR screen in regulatory T cells reveals modulators of Foxp3. Nature, 2020, 582, 416-420.	27.8	141
24	Pooled Knockin Targeting for Genome Engineering of Cellular Immunotherapies. Cell, 2020, 181, 728-744.e21.	28.9	131
25	CRISPR activation and interference screens decode stimulation responses in primary human T cells. Science, 2022, 375, eabj4008.	12.6	119
26	Orthotopic replacement of T-cell receptor α- and β-chains with preservation of near-physiological T-cell function. Nature Biomedical Engineering, 2019, 3, 974-984.	22.5	112
27	CRISPR–Cas9 genome engineering of primary CD4+ T cells for the interrogation of HIV–host factor interactions. Nature Protocols, 2019, 14, 1-27.	12.0	98
28	Genetic basis of autoimmunity. Journal of Clinical Investigation, 2015, 125, 2234-2241.	8.2	96
29	Obesity alters pathology and treatment response in inflammatory disease. Nature, 2022, 604, 337-342.	27.8	93
30	Targeted delivery of CRISPR-Cas9 and transgenes enables complex immune cell engineering. Cell Reports, 2021, 35, 109207.	6.4	91
31	Large dataset enables prediction of repair after CRISPR–Cas9 editing in primary T cells. Nature Biotechnology, 2019, 37, 1034-1037.	17.5	87
32	Timed inhibition of CDC7 increases CRISPR-Cas9 mediated templated repair. Nature Communications, 2020, 11, 2109.	12.8	84
33	The HVEM-BTLA Axis Restrains T Cell Help to Germinal Center B Cells and Functions as a Cell-Extrinsic Suppressor in Lymphomagenesis. Immunity, 2019, 51, 310-323.e7.	14.3	74
34	A Mutation in the Transcription Factor Foxp3 Drives T Helper 2 Effector Function in Regulatory T Cells. Immunity, 2019, 50, 362-377.e6.	14.3	72
35	Cyclophilin A Prevents HIV-1 Restriction in Lymphocytes by Blocking Human TRIM5α Binding to the Viral Core. Cell Reports, 2020, 30, 3766-3777.e6.	6.4	68
36	miR-15/16 Restrain Memory T Cell Differentiation, Cell Cycle, and Survival. Cell Reports, 2019, 28, 2169-2181.e4.	6.4	65

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37	XYZeq: Spatially resolved single-cell RNA sequencing reveals expression heterogeneity in the tumor microenvironment. Science Advances, 2021, 7, .	10.3	64
38	The CD28-Transmembrane Domain Mediates Chimeric Antigen Receptor Heterodimerization With CD28. Frontiers in Immunology, 2021, 12, 639818.	4.8	60
39	Regulatory T cells use arginase 2 to enhance their metabolic fitness in tissues. JCI Insight, 2019, 4, .	5.0	60
40	Functional CRISPR dissection of gene networks controlling human regulatory T cell identity. Nature Immunology, 2020, 21, 1456-1466.	14.5	57
41	NR4A nuclear receptors restrain B cell responses to antigen when second signals are absent or limiting. Nature Immunology, 2020, 21, 1267-1279.	14.5	56
42	TCF-1 regulates HIV-specific CD8+ T cell expansion capacity. JCI Insight, 2021, 6, .	5.0	43
43	ARIH2 Is a Vif-Dependent Regulator of CUL5-Mediated APOBEC3G Degradation in HIV Infection. Cell Host and Microbe, 2019, 26, 86-99.e7.	11.0	42
44	CD97 promotes spleen dendritic cell homeostasis through the mechanosensing of red blood cells. Science, 2022, 375, eabi5965.	12.6	42
45	Light-activated cell identification and sorting (LACIS) for selection of edited clones on a nanofluidic device. Communications Biology, 2018, 1, 41.	4.4	40
46	Genetic engineering in primary human B cells with CRISPR-Cas9 ribonucleoproteins. Journal of Immunological Methods, 2018, 457, 33-40.	1.4	39
47	CRISPR–Cas9-mediated nuclear transport and genomic integration of nanostructured genes in human primary cells. Nucleic Acids Research, 2022, 50, 1256-1268.	14.5	39
48	CRISPR-Based Tools in Immunity. Annual Review of Immunology, 2019, 37, 571-597.	21.8	38
49	Rewired signaling network in T cells expressing the chimeric antigen receptor ( <scp>CAR</scp> ). EMBO Journal, 2020, 39, e104730.	7.8	37
50	Decreased RORC-dependent silencing of prostaglandin receptor EP2 induces autoimmune Th17 cells. Journal of Clinical Investigation, 2014, 124, 2513-2522.	8.2	37
51	Helios enhances the preferential differentiation of human fetal CD4 <sup>+</sup> naÃ <sup>-</sup> ve T cells into regulatory T cells. Science Immunology, 2019, 4, .	11.9	31
52	Constrained chromatin accessibility in PU.1-mutated agammaglobulinemia patients. Journal of Experimental Medicine, 2021, 218, .	8.5	31
53	Systematic discovery and perturbation of regulatory genes in human T cells reveals the architecture of immune networks. Nature Genetics, 2022, 54, 1133-1144.	21.4	31
54	PML bodies control the nuclear dynamics and function of the CHFR mitotic checkpoint protein. Nature Structural and Molecular Biology, 2004, 11, 1114-1121.	8.2	30

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55	Enhanced Genome Editing with Cas9 Ribonucleoprotein in Diverse Cells and Organisms. Journal of Visualized Experiments, 2018, , .	0.3	29
56	Epithelial miR-141 regulates IL-13â $\in$ "induced airway mucus production. JCI Insight, 2021, 6, .	5.0	29
57	Efficient generation of isogenic primary human myeloid cells using CRISPR-Cas9 ribonucleoproteins. Cell Reports, 2021, 35, 109105.	6.4	29
58	Layilin augments integrin activation to promote antitumor immunity. Journal of Experimental Medicine, 2020, 217, .	8.5	28
59	A functional map of HIV-host interactions in primary human T cells. Nature Communications, 2022, 13, 1752.	12.8	27
60	Genetic Disease and Therapy. Annual Review of Pathology: Mechanisms of Disease, 2021, 16, 145-166.	22.4	21
61	PICS2: next-generation fine mapping via probabilistic identification of causal SNPs. Bioinformatics, 2021, 37, 3004-3007.	4.1	21
62	A large CRISPR-induced bystander mutation causes immune dysregulation. Communications Biology, 2019, 2, 70.	4.4	19
63	A Quantitative Genetic Interaction Map of HIV Infection. Molecular Cell, 2020, 78, 197-209.e7.	9.7	17
64	Microbial signals, MyD88, and lymphotoxin drive TNF-independent intestinal epithelial tissue damage. Journal of Clinical Investigation, 2022, 132, .	8.2	15
65	Robust T cell activation requires an eIF3-driven burst in T cell receptor translation. ELife, 2021, 10, .	6.0	14
66	CRL4 <sup>AMBRA1</sup> targets Elongin C for ubiquitination and degradation to modulate CRL5 signaling. EMBO Journal, 2018, 37, .	7.8	13
67	Global post-translational modification profiling of HIV-1-infected cells reveals mechanisms of host cellular pathway remodeling. Cell Reports, 2022, 39, 110690.	6.4	12
68	Dysregulated RASGRP1 expression through RUNX1 mediated transcription promotes autoimmunity. European Journal of Immunology, 2021, 51, 471-482.	2.9	9
69	Genome editing to define the function of risk loci and variants in rheumatic disease. Nature Reviews Rheumatology, 2021, 17, 462-474.	8.0	9
70	Abcc1 and Ggt5 support lymphocyte guidance through export and catabolism of <i>S</i> -geranylgeranyl- <scp>l</scp> -glutathione. Science Immunology, 2021, 6, .	11.9	5
71	Hypoxia Is a Dominant Remodeler of the Effector TÂCell Surface Proteome Relative to Activation and Regulatory T Cell Suppression. Molecular and Cellular Proteomics, 2022, 21, 100217.	3.8	5
72	ATF7ip Targets Transposable Elements for H3K9me3 Deposition to Modify CD8+ T Cell Effector and Memory Responses. Journal of Immunology, 2022, 208, 1155-1169.	0.8	2

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73	"T-bet"-ing on autoimmunity variants. PLoS Genetics, 2017, 13, e1006924.	3.5	0
74	Checkpoint inhibitors continue to check out. Science Translational Medicine, 2015, 7, .	12.4	0
75	Drugging immune regulation. Science Translational Medicine, 2015, 7, .	12.4	0
76	Fresh AIRE for autoimmune disease genetics. Science Translational Medicine, 2015, 7, .	12.4	0
77	Clearing up psoriasis. Science Translational Medicine, 2015, 7, .	12.4	0
78	All systems go for HIV vaccine development. Science Translational Medicine, 2015, 7, .	12.4	0
79	Noncoding RNA plugs into a proinflammatory circuit. Science Translational Medicine, 2016, 8, .	12.4	0
80	Genetic study of schizophrenia returns the complement. Science Translational Medicine, 2016, 8, .	12.4	0