

Alexander Marson

List of Publications by Year in descending order

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Version: 2024-02-01

80
papers

12,339
citations

81839

39
h-index

79644

73
g-index

98
all docs

98
docs citations

98
times ranked

22613
citing authors

#	ARTICLE	IF	CITATIONS
1	Genetic and epigenetic fine mapping of causal autoimmune disease variants. <i>Nature</i> , 2015, 518, 337-343.	13.7	1,669
2	Connecting microRNA Genes to the Core Transcriptional Regulatory Circuitry of Embryonic Stem Cells. <i>Cell</i> , 2008, 134, 521-533.	13.5	1,332
3	Multiplexed droplet single-cell RNA-sequencing using natural genetic variation. <i>Nature Biotechnology</i> , 2018, 36, 89-94.	9.4	745
4	Foxp3 occupancy and regulation of key target genes during T-cell stimulation. <i>Nature</i> , 2007, 445, 931-935.	13.7	644
5	Reprogramming human T cell function and specificity with non-viral genome targeting. <i>Nature</i> , 2018, 559, 405-409.	13.7	630
6	Generation of knock-in primary human T cells using Cas9 ribonucleoproteins. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , 2015, 112, 10437-10442.	3.3	600
7	Enhancer connectome in primary human cells identifies target genes of disease-associated DNA elements. <i>Nature Genetics</i> , 2017, 49, 1602-1612.	9.4	419
8	Revisiting IL-2: Biology and therapeutic prospects. <i>Science Immunology</i> , 2018, 3, .	5.6	398
9	Wnt Signaling Promotes Reprogramming of Somatic Cells to Pluripotency. <i>Cell Stem Cell</i> , 2008, 3, 132-135.	5.2	396
10	Genome-wide CRISPR Screens in Primary Human T Cells Reveal Key Regulators of Immune Function. <i>Cell</i> , 2018, 175, 1958-1971.e15.	13.5	378
11	A genome-wide CRISPR screen identifies a restricted set of HIV host dependency factors. <i>Nature Genetics</i> , 2017, 49, 193-203.	9.4	290
12	Small-Molecule ROR γ t Antagonists Inhibit T Helper 17 Cell Transcriptional Network by Divergent Mechanisms. <i>Immunity</i> , 2014, 40, 477-489.	6.6	253
13	The Chromatin-Modifying Enzyme Ezh2 Is Critical for the Maintenance of Regulatory T Cell Identity after Activation. <i>Immunity</i> , 2015, 42, 227-238.	6.6	253
14	Evaluation of SARS-CoV-2 serology assays reveals a range of test performance. <i>Nature Biotechnology</i> , 2020, 38, 1174-1183.	9.4	251
15	Transcriptional role of cyclin D1 in development revealed by a genetic proteomic screen. <i>Nature</i> , 2010, 463, 374-378.	13.7	247
16	Discovery of stimulation-responsive immune enhancers with CRISPR activation. <i>Nature</i> , 2017, 549, 111-115.	13.7	247
17	Inhibitory CD161 receptor identified in glioma-infiltrating T cells by single-cell analysis. <i>Cell</i> , 2021, 184, 1281-1298.e26.	13.5	210
18	Polymer-stabilized Cas9 nanoparticles and modified repair templates increase genome editing efficiency. <i>Nature Biotechnology</i> , 2020, 38, 44-49.	9.4	198

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19	Landscape of stimulation-responsive chromatin across diverse human immune cells. <i>Nature Genetics</i> , 2019, 51, 1494-1505.	9.4	196
20	A tissue checkpoint regulates type 2 immunity. <i>Nature Immunology</i> , 2016, 17, 1381-1387.	7.0	184
21	A Cas9 Ribonucleoprotein Platform for Functional Genetic Studies of HIV-Host Interactions in Primary Human T Cells. <i>Cell Reports</i> , 2016, 17, 1438-1452.	2.9	167
22	Thymic regulatory T cells arise via two distinct developmental programs. <i>Nature Immunology</i> , 2019, 20, 195-205.	7.0	163
23	CRISPR screen in regulatory T cells reveals modulators of Foxp3. <i>Nature</i> , 2020, 582, 416-420.	13.7	141
24	Pooled Knockin Targeting for Genome Engineering of Cellular Immunotherapies. <i>Cell</i> , 2020, 181, 728-744.e21.	13.5	131
25	CRISPR activation and interference screens decode stimulation responses in primary human T cells. <i>Science</i> , 2022, 375, eabj4008.	6.0	119
26	Orthotopic replacement of T-cell receptor $\hat{1}\pm$ - and $\hat{1}^2$ -chains with preservation of near-physiological T-cell function. <i>Nature Biomedical Engineering</i> , 2019, 3, 974-984.	11.6	112
27	CRISPR-Cas9 genome engineering of primary CD4+ T cells for the interrogation of HIV-host factor interactions. <i>Nature Protocols</i> , 2019, 14, 1-27.	5.5	98
28	Genetic basis of autoimmunity. <i>Journal of Clinical Investigation</i> , 2015, 125, 2234-2241.	3.9	96
29	Obesity alters pathology and treatment response in inflammatory disease. <i>Nature</i> , 2022, 604, 337-342.	13.7	93
30	Targeted delivery of CRISPR-Cas9 and transgenes enables complex immune cell engineering. <i>Cell Reports</i> , 2021, 35, 109207.	2.9	91
31	Large dataset enables prediction of repair after CRISPR-Cas9 editing in primary T cells. <i>Nature Biotechnology</i> , 2019, 37, 1034-1037.	9.4	87
32	Timed inhibition of CDC7 increases CRISPR-Cas9 mediated templated repair. <i>Nature Communications</i> , 2020, 11, 2109.	5.8	84
33	The HVEM-BTLA Axis Restrains T Cell Help to Germinal Center B Cells and Functions as a Cell-Extrinsic Suppressor in Lymphomagenesis. <i>Immunity</i> , 2019, 51, 310-323.e7.	6.6	74
34	A Mutation in the Transcription Factor Foxp3 Drives T Helper 2 Effector Function in Regulatory T Cells. <i>Immunity</i> , 2019, 50, 362-377.e6.	6.6	72
35	Cyclophilin A Prevents HIV-1 Restriction in Lymphocytes by Blocking Human TRIM5 $\hat{1}\pm$ Binding to the Viral Core. <i>Cell Reports</i> , 2020, 30, 3766-3777.e6.	2.9	68
36	miR-15/16 Restrain Memory T Cell Differentiation, Cell Cycle, and Survival. <i>Cell Reports</i> , 2019, 28, 2169-2181.e4.	2.9	65

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37	XYZeq: Spatially resolved single-cell RNA sequencing reveals expression heterogeneity in the tumor microenvironment. <i>Science Advances</i> , 2021, 7, .	4.7	64
38	The CD28-Transmembrane Domain Mediates Chimeric Antigen Receptor Heterodimerization With CD28. <i>Frontiers in Immunology</i> , 2021, 12, 639818.	2.2	60
39	Regulatory T cells use arginase 2 to enhance their metabolic fitness in tissues. <i>JCI Insight</i> , 2019, 4, .	2.3	60
40	Functional CRISPR dissection of gene networks controlling human regulatory T cell identity. <i>Nature Immunology</i> , 2020, 21, 1456-1466.	7.0	57
41	NR4A nuclear receptors restrain B cell responses to antigen when second signals are absent or limiting. <i>Nature Immunology</i> , 2020, 21, 1267-1279.	7.0	56
42	TCF-1 regulates HIV-specific CD8+ T cell expansion capacity. <i>JCI Insight</i> , 2021, 6, .	2.3	43
43	ARIH2 Is a Vif-Dependent Regulator of CUL5-Mediated APOBEC3G Degradation in HIV Infection. <i>Cell Host and Microbe</i> , 2019, 26, 86-99.e7.	5.1	42
44	CD97 promotes spleen dendritic cell homeostasis through the mechanosensing of red blood cells. <i>Science</i> , 2022, 375, eabi5965.	6.0	42
45	Light-activated cell identification and sorting (LACIS) for selection of edited clones on a nanofluidic device. <i>Communications Biology</i> , 2018, 1, 41.	2.0	40
46	Genetic engineering in primary human B cells with CRISPR-Cas9 ribonucleoproteins. <i>Journal of Immunological Methods</i> , 2018, 457, 33-40.	0.6	39
47	CRISPR-Cas9-mediated nuclear transport and genomic integration of nanostructured genes in human primary cells. <i>Nucleic Acids Research</i> , 2022, 50, 1256-1268.	6.5	39
48	CRISPR-Based Tools in Immunity. <i>Annual Review of Immunology</i> , 2019, 37, 571-597.	9.5	38
49	Rewired signaling network in T cells expressing the chimeric antigen receptor (CAR). <i>EMBO Journal</i> , 2020, 39, e104730.	3.5	37
50	Decreased RORC-dependent silencing of prostaglandin receptor EP2 induces autoimmune Th17 cells. <i>Journal of Clinical Investigation</i> , 2014, 124, 2513-2522.	3.9	37
51	Helios enhances the preferential differentiation of human fetal CD4 ⁺ naïve T cells into regulatory T cells. <i>Science Immunology</i> , 2019, 4, .	5.6	31
52	Constrained chromatin accessibility in PU.1-mutated agammaglobulinemia patients. <i>Journal of Experimental Medicine</i> , 2021, 218, .	4.2	31
53	Systematic discovery and perturbation of regulatory genes in human T cells reveals the architecture of immune networks. <i>Nature Genetics</i> , 2022, 54, 1133-1144.	9.4	31
54	PML bodies control the nuclear dynamics and function of the CHFR mitotic checkpoint protein. <i>Nature Structural and Molecular Biology</i> , 2004, 11, 1114-1121.	3.6	30

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55	Enhanced Genome Editing with Cas9 Ribonucleoprotein in Diverse Cells and Organisms. <i>Journal of Visualized Experiments</i> , 2018, , .	0.2	29
56	Epithelial miR-141 regulates IL-13-induced airway mucus production. <i>JCI Insight</i> , 2021, 6, .	2.3	29
57	Efficient generation of isogenic primary human myeloid cells using CRISPR-Cas9 ribonucleoproteins. <i>Cell Reports</i> , 2021, 35, 109105.	2.9	29
58	Layilin augments integrin activation to promote antitumor immunity. <i>Journal of Experimental Medicine</i> , 2020, 217, .	4.2	28
59	A functional map of HIV-host interactions in primary human T cells. <i>Nature Communications</i> , 2022, 13, 1752.	5.8	27
60	Genetic Disease and Therapy. <i>Annual Review of Pathology: Mechanisms of Disease</i> , 2021, 16, 145-166.	9.6	21
61	PICS2: next-generation fine mapping via probabilistic identification of causal SNPs. <i>Bioinformatics</i> , 2021, 37, 3004-3007.	1.8	21
62	A large CRISPR-induced bystander mutation causes immune dysregulation. <i>Communications Biology</i> , 2019, 2, 70.	2.0	19
63	A Quantitative Genetic Interaction Map of HIV Infection. <i>Molecular Cell</i> , 2020, 78, 197-209.e7.	4.5	17
64	Microbial signals, MyD88, and lymphotoxin drive TNF-independent intestinal epithelial tissue damage. <i>Journal of Clinical Investigation</i> , 2022, 132, .	3.9	15
65	Robust T cell activation requires an eIF3-driven burst in T cell receptor translation. <i>ELife</i> , 2021, 10, .	2.8	14
66	CRL4 ^{AMBRA1} targets Elongin C for ubiquitination and degradation to modulate CRL5 signaling. <i>EMBO Journal</i> , 2018, 37, .	3.5	13
67	Global post-translational modification profiling of HIV-1-infected cells reveals mechanisms of host cellular pathway remodeling. <i>Cell Reports</i> , 2022, 39, 110690.	2.9	12
68	Dysregulated RASGRP1 expression through RUNX1 mediated transcription promotes autoimmunity. <i>European Journal of Immunology</i> , 2021, 51, 471-482.	1.6	9
69	Genome editing to define the function of risk loci and variants in rheumatic disease. <i>Nature Reviews Rheumatology</i> , 2021, 17, 462-474.	3.5	9
70	Abcc1 and Ggt5 support lymphocyte guidance through export and catabolism of S-geranylgeranyl-glutathione. <i>Science Immunology</i> , 2021, 6, .	5.6	5
71	Hypoxia Is a Dominant Remodeler of the Effector T Cell Surface Proteome Relative to Activation and Regulatory T Cell Suppression. <i>Molecular and Cellular Proteomics</i> , 2022, 21, 100217.	2.5	5
72	ATF7ip Targets Transposable Elements for H3K9me3 Deposition to Modify CD8+ T Cell Effector and Memory Responses. <i>Journal of Immunology</i> , 2022, 208, 1155-1169.	0.4	2

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73	"T-bet"-ing on autoimmunity variants. PLoS Genetics, 2017, 13, e1006924.	1.5	0
74	Checkpoint inhibitors continue to check out. Science Translational Medicine, 2015, 7, .	5.8	0
75	Drugging immune regulation. Science Translational Medicine, 2015, 7, .	5.8	0
76	Fresh AIRE for autoimmune disease genetics. Science Translational Medicine, 2015, 7, .	5.8	0
77	Clearing up psoriasis. Science Translational Medicine, 2015, 7, .	5.8	0
78	All systems go for HIV vaccine development. Science Translational Medicine, 2015, 7, .	5.8	0
79	Noncoding RNA plugs into a proinflammatory circuit. Science Translational Medicine, 2016, 8, .	5.8	0
80	Genetic study of schizophrenia returns the complement. Science Translational Medicine, 2016, 8, .	5.8	0