

Michael B Brenner

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77
papers

9,560
citations

42
h-index

89
g-index

89
ext. papers

12,906
ext. citations

18.4
avg, IF

5.76
L-index

#	Paper	IF	Citations
77	Adhesion between epithelial cells and T lymphocytes mediated by E-cadherin and the alpha E beta 7 integrin. <i>Nature</i> , 1994 , 372, 190-3	50.4	951
76	Identification of a putative second T-cell receptor. <i>Nature</i> , 1986 , 322, 145-9	50.4	860
75	Fast, sensitive and accurate integration of single-cell data with Harmony. <i>Nature Methods</i> , 2019 , 16, 1289-1296	18.5	15
74	Lymphocytes bearing antigen-specific gamma delta T-cell receptors accumulate in human infectious disease lesions. <i>Nature</i> , 1989 , 339, 544-8	50.4	563
73	Pathologically expanded peripheral T helper cell subset drives B cells in rheumatoid arthritis. <i>Nature</i> , 2017 , 542, 110-114	50.4	455
72	A functional T3 molecule associated with a novel heterodimer on the surface of immature human thymocytes. <i>Nature</i> , 1986 , 322, 179-81	50.4	379
71	Defining inflammatory cell states in rheumatoid arthritis joint synovial tissues by integrating single-cell transcriptomics and mass cytometry. <i>Nature Immunology</i> , 2019 , 20, 928-942	19.1	369
70	Two forms of the T-cell receptor gamma protein found on peripheral blood cytotoxic T lymphocytes. <i>Nature</i> , 1987 , 325, 689-94	50.4	360
69	Cadherin-11 in synovial lining formation and pathology in arthritis. <i>Science</i> , 2007 , 315, 1006-10	33.3	300
68	Distinct fibroblast subsets drive inflammation and damage in arthritis. <i>Nature</i> , 2019 , 570, 246-251	50.4	283
67	The role and therapeutic implications of fibroblast-like synoviocytes in inflammation and cartilage erosion in rheumatoid arthritis. <i>Immunological Reviews</i> , 2008 , 223, 252-70	11.3	255
66	The immune cell landscape in kidneys of patients with lupus nephritis. <i>Nature Immunology</i> , 2019 , 20, 902-914	19.1	254
65	Regulatory iNKT cells lack expression of the transcription factor PLZF and control the homeostasis of T(reg) cells and macrophages in adipose tissue. <i>Nature Immunology</i> , 2015 , 16, 85-95	19.1	243
64	Metabolic reprogramming of natural killer cells in obesity limits antitumor responses. <i>Nature Immunology</i> , 2018 , 19, 1330-1340	19.1	229
63	Functionally distinct disease-associated fibroblast subsets in rheumatoid arthritis. <i>Nature Communications</i> , 2018 , 9, 789	17.4	223
62	Biology of the human gamma delta T-cell receptor. <i>Immunological Reviews</i> , 1991 , 120, 137-83	11.3	192
61	Direct and regulated interaction of integrin alphaEbeta7 with E-cadherin. <i>Journal of Cell Biology</i> , 1998 , 140, 197-210	7.3	188

60	T cells producing interleukin-17A regulate adipose regulatory T cell homeostasis and thermogenesis. <i>Nature Immunology</i> , 2018 , 19, 464-474	19.1	151
59	VLA-1: a T cell surface antigen which defines a novel late stage of human T cell activation. <i>European Journal of Immunology</i> , 1985 , 15, 502-8	6.1	141
58	Antigen recognition by human gamma delta T cells: pattern recognition by the adaptive immune system. <i>Seminars in Immunopathology</i> , 2000 , 22, 191-217		128
57	Adipose Type One Innate Lymphoid Cells Regulate Macrophage Homeostasis through Targeted Cytotoxicity. <i>Immunity</i> , 2017 , 46, 273-286	32.3	116
56	Notch signalling drives synovial fibroblast identity and arthritis pathology. <i>Nature</i> , 2020 , 582, 259-264	50.4	110
55	Fibroblast-like synoviocytes in inflammatory arthritis pathology: the emerging role of cadherin-11. <i>Immunological Reviews</i> , 2010 , 233, 256-66	11.3	109
54	Structure of the Vdelta domain of a human gammadelta T-cell antigen receptor. <i>Nature</i> , 1998 , 391, 502-6	50.4	109
53	iNKT Cells Induce FGF21 for Thermogenesis and Are Required for Maximal Weight Loss in GLP1 Therapy. <i>Cell Metabolism</i> , 2016 , 24, 510-519	24.6	107
52	Cadherin-11 regulates fibroblast inflammation. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , 2011 , 108, 8402-7	11.5	102
51	Shared and distinct transcriptional programs underlie the hybrid nature of iNKT cells. <i>Nature Immunology</i> , 2013 , 14, 90-9	19.1	93
50	PD-1hiCXCR5- T peripheral helper cells promote B cell responses in lupus via MAF and IL-21. <i>JCI Insight</i> , 2019 , 4,	9.9	76
49	Activation of iNKT cells by a distinct constituent of the endogenous glucosylceramide fraction. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , 2014 , 111, 13433-8	11.5	75
48	HBEGF macrophages in rheumatoid arthritis induce fibroblast invasiveness. <i>Science Translational Medicine</i> , 2019 , 11,	17.5	73
47	Mixed-effects association of single cells identifies an expanded effector CD4 T cell subset in rheumatoid arthritis. <i>Science Translational Medicine</i> , 2018 , 10,	17.5	68
46	Lymphocyte innateness defined by transcriptional states reflects a balance between proliferation and effector functions. <i>Nature Communications</i> , 2019 , 10, 687	17.4	67
45	Transendothelial chemotaxis of human alpha/beta and gamma/delta T lymphocytes to chemokines. <i>European Journal of Immunology</i> , 1998 , 28, 104-13	6.1	64
44	Methods for high-dimensional analysis of cells dissociated from cryopreserved synovial tissue. <i>Arthritis Research and Therapy</i> , 2018 , 20, 139	5.7	60
43	Human autoreactive T cells recognize CD1b and phospholipids. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , 2016 , 113, 380-5	11.5	58

42	A Rab3a-dependent complex essential for lysosome positioning and plasma membrane repair. <i>Journal of Cell Biology</i> , 2016 , 213, 631-40	7.3	57
41	T-cell receptor delta-chain can substitute for alpha to form a beta delta heterodimer. <i>Nature</i> , 1989 , 340, 562-5	50.4	57
40	Distinct structural and functional epitopes of the alpha E beta 7 integrin. <i>European Journal of Immunology</i> , 1994 , 24, 2832-41	6.1	55
39	Immune cell profiling to guide therapeutic decisions in rheumatic diseases. <i>Nature Reviews Rheumatology</i> , 2015 , 11, 541-51	8.1	51
38	T-cell receptors of human suppressor cells. <i>Nature</i> , 1987 , 329, 541-5	50.4	48
37	Fast, sensitive, and accurate integration of single cell data with Harmony		47
36	Arf-like GTPase Arl8b regulates lytic granule polarization and natural killer cell-mediated cytotoxicity. <i>Molecular Biology of the Cell</i> , 2013 , 24, 3721-35	3.5	46
35	Fibroblasts as immune regulators in infection, inflammation and cancer. <i>Nature Reviews Immunology</i> , 2021 , 21, 704-717	36.5	42
34	Activation strategies for invariant natural killer T cells. <i>Immunogenetics</i> , 2016 , 68, 649-63	3.2	40
33	The transcriptional programs of iNKT cells. <i>Seminars in Immunology</i> , 2015 , 27, 26-32	10.7	39
32	Regulation of gene expression in autoimmune disease loci and the genetic basis of proliferation in CD4+ effector memory T cells. <i>PLoS Genetics</i> , 2014 , 10, e1004404	6	37
31	Pathways for lipid antigen presentation by CD1 molecules: nowhere for intracellular pathogens to hide. <i>Traffic</i> , 2000 , 1, 295-300	5.7	37
30	Allele-specific expression changes dynamically during T cell activation in HLA and other autoimmune loci. <i>Nature Genetics</i> , 2020 , 52, 247-253	36.3	33
29	Identification of a Potent Microbial Lipid Antigen for Diverse NKT Cells. <i>Journal of Immunology</i> , 2015 , 195, 2540-51	5.3	32
28	Structural determination of lipid antigens captured at the CD1d-T-cell receptor interface. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , 2017 , 114, 8348-8353	11.5	29
27	Cadherin-11 Is a Cell Surface Marker Up-Regulated in Activated Pancreatic Stellate Cells and Is Involved in Pancreatic Cancer Cell Migration. <i>American Journal of Pathology</i> , 2017 , 187, 146-155	5.8	26
26	Distinct metabolic programs established in the thymus control effector functions of T cell subsets in tumor microenvironments. <i>Nature Immunology</i> , 2021 , 22, 179-192	19.1	26
25	MHC class II presentation is controlled by the lysosomal small GTPase, Arl8b. <i>Journal of Immunology</i> , 2015 , 194, 2079-88	5.3	25

24	CUX1 and IRF1 mediate the synergistic inflammatory response to TNF and IL-17A in stromal fibroblasts. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , 2020 , 117, 5532-5541	11.5	19
23	Distinct iNKT Cell Populations Use IFN- γ ER Stress-Induced IL-10 to Control Adipose Tissue Homeostasis. <i>Cell Metabolism</i> , 2020 , 32, 243-258.e6	24.6	18
22	Post-sepsis immunosuppression depends on NKT cell regulation of mTOR/IFN- γ in NK cells. <i>Journal of Clinical Investigation</i> , 2020 , 130, 3238-3252	15.9	18
21	Synoviocyte-targeted therapy synergizes with TNF inhibition in arthritis reversal. <i>Science Advances</i> , 2020 , 6, eaba4353	14.3	16
20	Innate T Cells Govern Adipose Tissue Biology. <i>Journal of Immunology</i> , 2018 , 201, 1827-1834	5.3	16
19	High-throughput identification of noncoding functional SNPs via type IIS enzyme restriction. <i>Nature Genetics</i> , 2018 , 50, 1180-1188	36.3	14
18	Lysosome-Mediated Plasma Membrane Repair Is Dependent on the Small GTPase Arl8b and Determines Cell Death Type in Infection. <i>Journal of Immunology</i> , 2018 , 200, 3160-3169	5.3	13
17	Pathogenic mycobacteria achieve cellular persistence by inhibiting the Niemann-Pick Type C disease cellular pathway. <i>Wellcome Open Research</i> , 2016 , 1, 18	4.8	13
16	A Two-Cell Model for IL-1 β Release Mediated by Death-Receptor Signaling. <i>Cell Reports</i> , 2020 , 31, 107466	10.6	12
15	Aminoacyl-tRNA synthetase inhibition activates a pathway that branches from the canonical amino acid response in mammalian cells. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , 2020 , 117, 8900-8911	11.5	10
14	Clonally expanded V α 12+ (AV12S1), CD8+ T cells from a patient with rheumatoid arthritis are autoreactive. <i>Arthritis and Rheumatism</i> , 1998 , 41, 498-506		10
13	Functional genomics of stromal cells in chronic inflammatory diseases. <i>Current Opinion in Rheumatology</i> , 2018 , 30, 65-71	5.3	9
12	Cross-tissue, single-cell stromal atlas identifies shared pathological fibroblast phenotypes in four chronic inflammatory diseases		8
11	Fibroblast pathology in inflammatory diseases. <i>Journal of Clinical Investigation</i> , 2021 , 131,	15.9	6
10	Allele-specific expression changes dynamically during T cell activation in HLA and other autoimmune loci		4
9	Transnuclear mice reveal Peyer's patch iNKT cells that regulate B-cell class switching to IgG1. <i>EMBO Journal</i> , 2019 , 38, e101260	13	2
8	Clonally expanded CD38 ^{hi} cytotoxic CD8 T cells define the T cell infiltrate in checkpoint inhibitor-associated arthritis		2
7	SLAMF7 engagement super-activates macrophages in acute and chronic inflammation		2

6	T-cell receptor V beta gene usage in rheumatoid synovial follicles. <i>Annals of the New York Academy of Sciences</i> , 1995 , 756, 201-3	6.5	1
5	SLAMF7 engagement superactivates macrophages in acute and chronic inflammation.. <i>Science Immunology</i> , 2022 , 7, eabf2846	2.8	1
4	Urine Proteomics and Renal Single Cell Transcriptomics Implicate IL-16 in Lupus Nephritis. <i>Arthritis and Rheumatology</i> , 2021 ,	9.5	1
3	Disruptive innovation in rheumatology: new networks of global public-private partnerships are needed to take advantage of scientific progress. <i>Annals of the Rheumatic Diseases</i> , 2020 , 79, 553-555	2.4	1
2	RNAi screens of lysosomal trafficking. <i>Methods in Cell Biology</i> , 2015 , 126, 119-38	1.8	
1	The A-domain of integrin $\alpha 5$ is involved in binding to E-cadherin. <i>Biochemical Society Transactions</i> , 1999 , 27, A145-A145	5.1	