

Michael B Brenner

List of Publications by Year in descending order

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79
papers

16,205
citations

50276

46
h-index

74163

75
g-index

89
all docs

89
docs citations

89
times ranked

18240
citing authors

#	ARTICLE	IF	CITATIONS
1	Fast, sensitive and accurate integration of single-cell data with Harmony. <i>Nature Methods</i> , 2019, 16, 1289-1296.	19.0	3,494
2	Adhesion between epithelial cells and T lymphocytes mediated by E-cadherin and the $\alpha 2 \beta 1$ integrin. <i>Nature</i> , 1994, 372, 190-193.	27.8	1,120
3	Identification of a putative second T-cell receptor. <i>Nature</i> , 1986, 322, 145-149.	27.8	950
4	Pathologically expanded peripheral T helper cell subset drives B cells in rheumatoid arthritis. <i>Nature</i> , 2017, 542, 110-114.	27.8	767
5	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.	14.5	760
6	Lymphocytes bearing antigen-specific $\alpha \beta$ T-cell receptors accumulate in human infectious disease lesions. <i>Nature</i> , 1989, 339, 544-548.	27.8	633
7	Distinct fibroblast subsets drive inflammation and damage in arthritis. <i>Nature</i> , 2019, 570, 246-251.	27.8	550
8	The immune cell landscape in kidneys of patients with lupus nephritis. <i>Nature Immunology</i> , 2019, 20, 902-914.	14.5	501
9	A functional T3 molecule associated with a novel heterodimer on the surface of immature human thymocytes. <i>Nature</i> , 1986, 322, 179-181.	27.8	423
10	Metabolic reprogramming of natural killer cells in obesity limits antitumor responses. <i>Nature Immunology</i> , 2018, 19, 1330-1340.	14.5	396
11	Two forms of the T-cell receptor $\alpha \beta$ protein found on peripheral blood cytotoxic T lymphocytes. <i>Nature</i> , 1987, 325, 689-694.	27.8	391
12	Functionally distinct disease-associated fibroblast subsets in rheumatoid arthritis. <i>Nature Communications</i> , 2018, 9, 789.	12.8	368
13	Cadherin-11 in Synovial Lining Formation and Pathology in Arthritis. <i>Science</i> , 2007, 315, 1006-1010.	12.6	355
14	Regulatory iNKT cells lack expression of the transcription factor PLZF and control the homeostasis of Treg cells and macrophages in adipose tissue. <i>Nature Immunology</i> , 2015, 16, 85-95.	14.5	315
15	The role and therapeutic implications of fibroblast-like synoviocytes in inflammation and cartilage erosion in rheumatoid arthritis. <i>Immunological Reviews</i> , 2008, 223, 252-270.	6.0	294
16	Notch signalling drives synovial fibroblast identity and arthritis pathology. <i>Nature</i> , 2020, 582, 259-264.	27.8	267
17	$\alpha \beta$ T cells producing interleukin-17A regulate adipose regulatory T cell homeostasis and thermogenesis. <i>Nature Immunology</i> , 2018, 19, 464-474.	14.5	255
18	Fibroblasts as immune regulators in infection, inflammation and cancer. <i>Nature Reviews Immunology</i> , 2021, 21, 704-717.	22.7	229

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19	Direct and Regulated Interaction of Integrin $\alpha 2 \beta 1$ with E-Cadherin. <i>Journal of Cell Biology</i> , 1998, 140, 197-210.	5.2	214
20	Biology of the Human $\beta 2$ T _H Cell Receptor. <i>Immunological Reviews</i> , 1991, 120, 137-183.	6.0	201
21	PD-1hiCXCR5 ⁺ T peripheral helper cells promote B cell responses in lupus via MAF and IL-21. <i>JCI Insight</i> , 2019, 4, .	5.0	171
22	Adipose Type One Innate Lymphoid Cells Regulate Macrophage Homeostasis through Targeted Cytotoxicity. <i>Immunity</i> , 2017, 46, 273-286.	14.3	166
23	Antigen recognition by human $\beta 2$ T cells: pattern recognition by the adaptive immune system. <i>Seminars in Immunopathology</i> , 2000, 22, 191-217.	4.0	153
24	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, 502-508.	2.9	152
25	HBEGF ⁺ macrophages in rheumatoid arthritis induce fibroblast invasiveness. <i>Science Translational Medicine</i> , 2019, 11, .	12.4	143
26	iNKT Cells Induce FGF21 for Thermogenesis and Are Required for Maximal Weight Loss in GLP1 Therapy. <i>Cell Metabolism</i> , 2016, 24, 510-519.	16.2	139
27	Cadherin-11 regulates fibroblast inflammation. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , 2011, 108, 8402-8407.	7.1	137
28	Lymphocyte innateness defined by transcriptional states reflects a balance between proliferation and effector functions. <i>Nature Communications</i> , 2019, 10, 687.	12.8	136
29	Fibroblast-like synoviocytes in inflammatory arthritis pathology: the emerging role of cadherin-11. <i>Immunological Reviews</i> , 2010, 233, 256-266.	6.0	124
30	Structure of the V β domain of a human $\beta 2$ T-cell antigen receptor. <i>Nature</i> , 1998, 391, 502-506.	27.8	121
31	Mixed-effects association of single cells identifies an expanded effector CD4 ⁺ T cell subset in rheumatoid arthritis. <i>Science Translational Medicine</i> , 2018, 10, .	12.4	119
32	Shared and distinct transcriptional programs underlie the hybrid nature of iNKT cells. <i>Nature Immunology</i> , 2013, 14, 90-99.	14.5	106
33	Distinct metabolic programs established in the thymus control effector functions of $\beta 2$ T cell subsets in tumor microenvironments. <i>Nature Immunology</i> , 2021, 22, 179-192.	14.5	99
34	Methods for high-dimensional analysis of cells dissociated from cryopreserved synovial tissue. <i>Arthritis Research and Therapy</i> , 2018, 20, 139.	3.5	93
35	A Rab3a-dependent complex essential for lysosome positioning and plasma membrane repair. <i>Journal of Cell Biology</i> , 2016, 213, 631-640.	5.2	85
36	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, 380-385.	7.1	85

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37	Allele-specific expression changes dynamically during T cell activation in HLA and other autoimmune loci. <i>Nature Genetics</i> , 2020, 52, 247-253.	21.4	85
38	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, 13433-13438.	7.1	83
39	Granzyme K ⁺ CD8 T cells form a core population in inflamed human tissue. <i>Science Translational Medicine</i> , 2022, 14, .	12.4	74
40	Distinct structural and functional epitopes of the α 27 integrin. <i>European Journal of Immunology</i> , 1994, 24, 2832-2841.	2.9	72
41	T-cell receptor γ -chain can substitute for δ to form a $\gamma\delta$ heterodimer. <i>Nature</i> , 1989, 340, 562-565.	27.8	70
42	Transendothelial chemotaxis of human α 2 and β 2 T lymphocytes to chemokines. <i>European Journal of Immunology</i> , 1998, 28, 104-113.	2.9	69
43	Fibroblast pathology in inflammatory diseases. <i>Journal of Clinical Investigation</i> , 2021, 131, .	8.2	65
44	Arf-like GTPase Arl8b regulates lytic granule polarization and natural killer cell-mediated cytotoxicity. <i>Molecular Biology of the Cell</i> , 2013, 24, 3721-3735.	2.1	62
45	Immune cell profiling to guide therapeutic decisions in rheumatic diseases. <i>Nature Reviews Rheumatology</i> , 2015, 11, 541-551.	8.0	62
46	Activation strategies for invariant natural killer T cells. <i>Immunogenetics</i> , 2016, 68, 649-663.	2.4	55
47	Distinct iNKT Cell Populations Use IFN γ or ER Stress-Induced IL-10 to Control Adipose Tissue Homeostasis. <i>Cell Metabolism</i> , 2020, 32, 243-258.e6.	16.2	53
48	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.	8.2	52
49	T-cell receptors of human suppressor cells. <i>Nature</i> , 1987, 329, 541-545.	27.8	51
50	Cross-tissue, single-cell stromal atlas identifies shared pathological fibroblast phenotypes in four chronic inflammatory diseases. <i>Med</i> , 2022, 3, 481-518.e14.	4.4	51
51	The transcriptional programs of iNKT cells. <i>Seminars in Immunology</i> , 2015, 27, 26-32.	5.6	49
52	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.	3.5	46
53	CUX1 and β 17 (NFKBIZ) 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.	7.1	44
54	MHC Class II Presentation Is Controlled by the Lysosomal Small GTPase, Arl8b. <i>Journal of Immunology</i> , 2015, 194, 2079-2088.	0.8	43

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55	Synoviocyte-targeted therapy synergizes with TNF inhibition in arthritis reversal. <i>Science Advances</i> , 2020, 6, eaba4353.	10.3	43
56	Pathways for Lipid Antigen Presentation by CD1 Molecules: Nowhere for Intracellular Pathogens to Hide. <i>Traffic</i> , 2000, 1, 295-300.	2.7	41
57	Identification of a Potent Microbial Lipid Antigen for Diverse NKT Cells. <i>Journal of Immunology</i> , 2015, 195, 2540-2551.	0.8	40
58	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.	7.1	40
59	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.	3.8	38
60	Urine Proteomics and Renal Single-Cell Transcriptomics Implicate Interleukin-16 in Lupus Nephritis. <i>Arthritis and Rheumatology</i> , 2022, 74, 829-839.	5.6	38
61	High-throughput identification of noncoding functional SNPs via type IIS enzyme restriction. <i>Nature Genetics</i> , 2018, 50, 1180-1188.	21.4	31
62	SLAMF7 engagement superactivates macrophages in acute and chronic inflammation. <i>Science Immunology</i> , 2022, 7, eabf2846.	11.9	31
63	Innate T Cells Govern Adipose Tissue Biology. <i>Journal of Immunology</i> , 2018, 201, 1827-1834.	0.8	28
64	Pathogenic mycobacteria achieve cellular persistence by inhibiting the Niemann-Pick Type C disease cellular pathway. <i>Wellcome Open Research</i> , 2016, 1, 18.	1.8	26
65	Lysosome-Mediated Plasma Membrane Repair Is Dependent on the Small GTPase Arl8b and Determines Cell Death Type in <i>Mycobacterium tuberculosis</i> Infection. <i>Journal of Immunology</i> , 2018, 200, 3160-3169.	0.8	24
66	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.	7.1	24
67	A Two-Cell Model for IL-1 β Release Mediated by Death-Receptor Signaling. <i>Cell Reports</i> , 2020, 31, 107466.	6.4	21
68	Clonally expanded V β 12+ (AV12S1), CD8+ T cells from a patient with rheumatoid arthritis are autoreactive. <i>Arthritis and Rheumatism</i> , 1998, 41, 498-506.	6.7	11
69	Functional genomics of stromal cells in chronic inflammatory diseases. <i>Current Opinion in Rheumatology</i> , 2018, 30, 65-71.	4.3	10
70	High incidence of proliferative and membranous nephritis in SLE patients with low proteinuria in the Accelerating Medicines Partnership. <i>Rheumatology</i> , 2022, 61, 4335-4343.	1.9	6
71	Transnuclear mice reveal Peyer's patch iNKT cells that regulate B-cell class switching to IgG1. <i>EMBO Journal</i> , 2019, 38, e101260.	7.8	3
72	T-Cell Receptor V γ Gene Usage in Rheumatoid Synovial Follicles. <i>Annals of the New York Academy of Sciences</i> , 1995, 756, 201-203.	3.8	1

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73	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.	0.9	1
74	The A-domain of integrin $\alpha 27$ is involved in binding to E-cadherin. <i>Biochemical Society Transactions</i> , 1999, 27, A145-A145.	3.4	0
75	RNAi screens of lysosomal trafficking. <i>Methods in Cell Biology</i> , 2015, 126, 119-138.	1.1	0
76	AB1079...CHECKPOINT INHIBITOR-ASSOCIATED ARTHRITIS: PHENOTYPES AND CYTOKINE ASSOCIATIONS. , 2019, , .		0
77	AB0167...SINGLE CELL RNA EXPRESSION IN LUPUS NEPHRITIS COMPARING AFRICAN-AMERICAN AND CAUCASIAN PATIENTS IDENTIFIES DIFFERENTIAL EXPRESSION OF TYPE I INTERFERON PATHWAY. , 2019, , .		0
78	205...Single cell RNA expression in lupus nephritis comparing african-american and caucasian patients identifies differential expression of type I interferon pathway. , 2019, , .		0
79	Abstract A045: Cadherin-11, a common therapeutic target in poor prognosis malignancies and rheumatoid arthritis. , 2013, , .		0