Burkhard Becher

List of Publications by Year
in descending order

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233	32,511	4388 86	4548 171
papers	citations	h-index	g-index

252	252	252	43142
all docs	docs citations	times ranked	citing authors

#	Article	IF	Citations
1	Immune attack: the role of inflammation in Alzheimer disease. Nature Reviews Neuroscience, 2015, 16, 358-372.	10.2	1,677
2	Human TH17 lymphocytes promote blood-brain barrier disruption and central nervous system inflammation. Nature Medicine, 2007, 13, 1173-1175.	30.7	1,442
3	RORÎ³t drives production of the cytokine GM-CSF in helper T cells, which is essential for the effector phase of autoimmune neuroinflammation. Nature Immunology, 2011, 12, 560-567.	14.5	1,058
4	C-Myb+ Erythro-Myeloid Progenitor-Derived Fetal Monocytes Give Rise to Adult Tissue-Resident Macrophages. Immunity, 2015, 42, 665-678.	14.3	847
5	Dendritic cells permit immune invasion of the CNS in an animal model of multiple sclerosis. Nature Medicine, 2005, 11, 328-334.	30.7	775
6	Guidelines for the use of flow cytometry and cell sorting in immunological studies (second edition). European Journal of Immunology, 2019, 49, 1457-1973.	2.9	766
7	Experimental autoimmune encephalomyelitis repressed by microglial paralysis. Nature Medicine, 2005, 11, 146-152.	30.7	667
8	NASH limits anti-tumour surveillance in immunotherapy-treated HCC. Nature, 2021, 592, 450-456.	27.8	649
9	High-Dimensional Single-Cell Mapping of Central Nervous System Immune Cells Reveals Distinct Myeloid Subsets in Health, Aging, and Disease. Immunity, 2018, 48, 380-395.e6.	14.3	638
10	High-dimensional single-cell analysis predicts response to anti-PD-1 immunotherapy. Nature Medicine, 2018, 24, 144-153.	30.7	564
11	Guidelines for the use of flow cytometry and cell sorting in immunological studies[*]. European Journal of Immunology, 2017, 47, 1584-1797.	2.9	505
12	IL-1Î² mediates chronic intestinal inflammation by promoting the accumulation of IL-17A secreting innate lymphoid cells and CD4+ Th17 cells. Journal of Experimental Medicine, 2012, 209, 1595-1609.	8.5	485
13	Stroma-Derived Interleukin-34 Controls the Development and Maintenance of Langerhans Cells and the Maintenance of Microglia. Immunity, 2012, 37, 1050-1060.	14.3	482
14	Cytokine networks in neuroinflammation. Nature Reviews Immunology, 2017, 17, 49-59.	22.7	479
15	RorÎ³t+ innate lymphocytes and Î³Î´ T cells initiate psoriasiform plaque formation in mice. Journal of Clinical Investigation, 2012, 122, 2252-2256.	8.2	456
16	Innate lymphoid cells regulate intestinal epithelial cell glycosylation. Science, 2014, 345, 1254009.	12.6	450
17	Sall1 is a transcriptional regulator defining microglia identity and function. Nature Immunology, 2016, 17, 1397-1406.	14.5	430
18	GM-CSF: From Growth Factor to Central Mediator of Tissue Inflammation. Immunity, 2016, 45, 963-973.	14.3	417

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19	RORÎ³-Expressing Th17 Cells Induce Murine Chronic Intestinal Inflammation via Redundant Effects of IL-17A and IL-17F. Gastroenterology, 2009, 136, 257-267.	1.3	408
20	The Cytokine GM-CSF Drives the Inflammatory Signature of CCR2+ Monocytes and Licenses Autoimmunity. Immunity, 2015, 43, 502-514.	14.3	391
21	Helicobacter pylori infection prevents allergic asthma in mouse models through the induction of regulatory T cells. Journal of Clinical Investigation, 2011, 121, 3088-3093.	8.2	391
22	Cellular mechanisms of ILâ€17â€induced bloodâ€brain barrier disruption. FASEB Journal, 2010, 24, 1023-1034.	0.5	389
23	Single-Cell Mapping of Human Brain Cancer Reveals Tumor-Specific Instruction of Tissue-Invading Leukocytes. Cell, 2020, 181, 1626-1642.e20.	28.9	388
24	APC-derived cytokines and T cell polarization in autoimmune inflammation. Journal of Clinical Investigation, 2007, 117, 1119-1127.	8.2	362
25	Inhibition of IL-12/IL-23 signaling reduces Alzheimer's diseaseâ€“like pathology and cognitive decline. Nature Medicine, 2012, 18, 1812-1819.	30.7	359
26	Activated leukocyte cell adhesion molecule promotes leukocyte trafficking into the central nervous system. Nature Immunology, 2008, 9, 137-145.	14.5	358
27	Distinct and Nonredundant In Vivo Functions of IFNAR on Myeloid Cells Limit Autoimmunity in the Central Nervous System. Immunity, 2008, 28, 675-686.	14.3	352
28	High-dimensional analysis of the murine myeloid cell system. Nature Immunology, 2014, 15, 1181-1189.	14.5	349
29	IL-17A and IL-17F do not contribute vitally to autoimmune neuro-inflammation in mice. Journal of Clinical Investigation, 2009, 119, 61-9.	8.2	347
30	IL-9 as a mediator of Th17-driven inflammatory disease. Journal of Experimental Medicine, 2009, 206, 1653-1660.	8.5	334
31	Innate immunity mediated by TLR9 modulates pathogenicity in an animal model of multiple sclerosis. Journal of Clinical Investigation, 2006, 116, 456-464.	8.2	329
32	Brain-immune connection: Immuno-regulatory properties of CNS-resident cells. Glia, 2000, 29, 293-304.	4.9	323
33	CyTOF workflow: Differential discovery in high-throughput high-dimensional cytometry datasets. F1000Research, 2017, 6, 748.	1.6	312
34	Experimental autoimmune encephalitis and inflammation in the absence of interleukin-12. Journal of Clinical Investigation, 2002, 110, 493-497.	8.2	303
35	IL-22 Is Expressed by Th17 Cells in an IL-23-Dependent Fashion, but Not Required for the Development of Autoimmune Encephalomyelitis. Journal of Immunology, 2007, 179, 8098-8104.	0.8	298
36	MAFG-driven astrocytes promote CNS inflammation. Nature, 2020, 578, 593-599.	27.8	282

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37	PK11195 binding to the peripheral benzodiazepine receptor as a marker of microglia activation in multiple sclerosis and experimental autoimmune encephalomyelitis. Journal of Neuroscience Research, 1997, 50, 345-353.	2.9	279
38	Requirement of JNK2 for Scavenger Receptor A-Mediated Foam Cell Formation in Atherogenesis. Science, 2004, 306, 1558-1561.	12.6	259
39	Immunohistochemical and genetic evidence of myeloperoxidase involvement in multiple sclerosis. Journal of Neuroimmunology, 1997, 78, 97-107.	2.3	250
40	T cells in patients withÂnarcolepsy target self-antigens of hypocretin neurons. Nature, 2018, 562, 63-68.	27.8	244
41	CyTOF workflow: differential discovery in high-throughput high-dimensional cytometry datasets. F1000Research, 2017, 6, 748.	1.6	244
42	The end of gating? An introduction to automated analysis of high dimensional cytometry data. European Journal of Immunology, 2016, 46, 34-43.	2.9	236
43	The Cytokine TGF-Î² Promotes the Development and Homeostasis of Alveolar Macrophages. Immunity, 2017, 47, 903-912.e4.	14.3	235
44	Early Fate Defines Microglia and Non-parenchymal Brain Macrophage Development. Cell, 2020, 181, 557-573.e18.	28.9	218
45	The Clinical Course of Experimental Autoimmune Encephalomyelitis and Inflammation Is Controlled by the Expression of Cd40 within the Central Nervous System. Journal of Experimental Medicine, 2001, 193, 967-974.	8.5	216
46	Sorafenib promotes graft-versus-leukemia activity in mice and humans through IL-15 production in FLT3-ITD-mutant leukemia cells. Nature Medicine, 2018, 24, 282-291.	30.7	216
47	Experimental autoimmune encephalitis and inflammation in the absence of interleukin-12. Journal of Clinical Investigation, 2002, 110, 493-497.	8.2	206
48	Antigen presentation in autoimmunity and CNS inflammation: how T lymphocytes recognize the brain. Journal of Molecular Medicine, 2006, 84, 532-543.	3.9	204
49	Comparison of phenotypic and functional properties of immediately ex vivo and cultured human adult microglia. Glia, 1996, 18, 1-10.	4.9	200
50	SIRT1 decreases Lox-1-mediated foam cell formation in atherogenesis. European Heart Journal, 2010, 31, 2301-2309.	2.2	189
51	IL-12 initiates tumor rejection via lymphoid tissueâ€“inducer cells bearing the natural cytotoxicity receptor NKp46. Nature Immunology, 2010, 11, 1030-1038.	14.5	188
52	Gut-licensed IFNÎ³+ NK cells drive LAMP1+TRAIL+ anti-inflammatory astrocytes. Nature, 2021, 590, 473-479.	27.8	178
53	Intratumoral IL-12 combined with CTLA-4 blockade elicits T cellâ€“mediated glioma rejection. Journal of Experimental Medicine, 2013, 210, 2803-2811.	8.5	177
54	Neural progenitor cells orchestrate microglia migration and positioning into the developing cortex. Nature Communications, 2014, 5, 5611.	12.8	177

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55	GM-CSF-based treatments in COVID-19: reconciling opposing therapeutic approaches. Nature Reviews Immunology, 2020, 20, 507-514.	22.7	174
56	Conventional DCs sample and present myelin antigens in the healthy CNS and allow parenchymal T cell entry to initiate neuroinflammation. Science Immunology, 2019, 4, .	11.9	173
57	NLRP3 tyrosine phosphorylation is controlled by protein tyrosine phosphatase PTPN22. Journal of Clinical Investigation, 2016, 126, 1783-1800.	8.2	171
58	Three tissue resident macrophage subsets coexist across organs with conserved origins and life cycles. Science Immunology, 2022, 7, eabf7777.	11.9	167
59	Fate-Mapping of GM-CSF Expression Identifies a Discrete Subset of Inflammation-Driving T Helper Cells Regulated by Cytokines IL-23 and IL-1Î². Immunity, 2019, 50, 1289-1304.e6.	14.3	163
60	The infarcted myocardium solicits GM-CSF for the detrimental oversupply of inflammatory leukocytes. Journal of Experimental Medicine, 2017, 214, 3293-3310.	8.5	161
61	Langerin ^{neg} conventional dendritic cells produce IL-23 to drive psoriatic plaque formation in mice. Proceedings of the National Academy of Sciences of the United States of America, 2013, 110, 10723-10728.	7.1	158
62	IL-12 protects from psoriasiform skin inflammation. Nature Communications, 2016, 7, 13466.	12.8	151
63	TH17 cytokines in autoimmune neuro-inflammation. Current Opinion in Immunology, 2011, 23, 707-712.	5.5	150
64	Intratumoral IL-12 delivery empowers CAR-T cell immunotherapy in a pre-clinical model of glioblastoma. Nature Communications, 2021, 12, 444.	12.8	150
65	Interleukin 18â€“independent engagement of interleukin 18 receptor-Î± is required for autoimmune inflammation. Nature Immunology, 2006, 7, 946-953.	14.5	149
66	IL-23 produced by CNS-resident cells controls T cell encephalitogenicity during the effector phase of experimental autoimmune encephalomyelitis. Journal of Clinical Investigation, 2003, 112, 1186-1191.	8.2	147
67	<scp>IL</scp>â€23: One cytokine in control of autoimmunity. European Journal of Immunology, 2012, 42, 2263-2273.	2.9	147
68	Development, application and computational analysis of high-dimensional fluorescent antibody panels for single-cell flow cytometry. Nature Protocols, 2019, 14, 1946-1969.	12.0	147
69	Dysregulation of the Cytokine GM-CSF Induces Spontaneous Phagocyte Invasion and Immunopathology in the Central Nervous System. Immunity, 2017, 46, 245-260.	14.3	141
70	GM-CSF and CXCR4 define a T helper cell signature in multiple sclerosis. Nature Medicine, 2019, 25, 1290-1300.	30.7	140
71	Multiple sclerosis-associated IL2RA polymorphism controls GM-CSF production in human TH cells. Nature Communications, 2014, 5, 5056.	12.8	137
72	CD11c-expressing cells reside in the juxtavascular parenchyma and extend processes into the glia limitans of the mouse nervous system. Acta Neuropathologica, 2011, 121, 445-458.	7.7	130

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73	Primary oligodendrocyte death does not elicit anti-CNS immunity. Nature Neuroscience, 2012, 15, 543-550.	14.8	121
74	IL-22 Is Produced by Innate Lymphoid Cells and Limits Inflammation in Allergic Airway Disease. PLoS ONE, 2011, 6, e21799.	2.5	118
75	IL-12-and IL-23 in health and disease. Cytokine and Growth Factor Reviews, 2014, 25, 415-421.	7.2	117
76	GM-CSF in Neuroinflammation: Licensing Myeloid Cells for Tissue Damage. Trends in Immunology, 2015, 36, 651-662.	6.8	112
77	Heterogeneity of response to immune checkpoint blockade in hypermutated experimental gliomas. Nature Communications, 2020, 11, 931.	12.8	112
78	Spinal cord involvement in multiple sclerosis and neuromyelitis optica spectrum disorders. Lancet Neurology, The, 2019, 18, 185-197.	10.2	110
79	LifeTime and improving European healthcare through cell-based interceptive medicine. Nature, 2020, 587, 377-386.	27.8	108
80	Interferon-Î³ Modulates Human Oligodendrocyte Susceptibility To Fas-Mediated Apoptosis. Journal of Neuropathology and Experimental Neurology, 2000, 59, 280-286.	1.7	107
81	Innate and adaptive immune responses in the CNS. Lancet Neurology, The, 2015, 14, 945-955.	10.2	107
82	Lymphatic Endothelial Cells Control Initiation of Lymph Node Organogenesis. Immunity, 2017, 47, 80-92.e4.	14.3	107
83	High-dimensional single-cell analysis reveals the immune signature of narcolepsy. Journal of Experimental Medicine, 2016, 213, 2621-2633.	8.5	106
84	Tumor invasion in draining lymph nodes is associated with Treg accumulation in breast cancer patients. Nature Communications, 2020, 11, 3272.	12.8	106
85	Humoral immune response to native eukaryotic prion protein correlates with anti-prion protection. Proceedings of the National Academy of Sciences of the United States of America, 2004, 101, 14670-14676.	7.1	105
86	Astrocyte Depletion Impairs Redox Homeostasis and Triggers Neuronal Loss in the Adult CNS. Cell Reports, 2015, 12, 1377-1384.	6.4	92
87	Oncogenic KrasG12D causes myeloproliferation via NLRP3 inflammasome activation. Nature Communications, 2020, 11, 1659.	12.8	92
88	Repositioning TH cell polarization from single cytokines to complex help. Nature Immunology, 2021, 22, 1210-1217.	14.5	91
89	Epithelial IL-23R Signaling Licenses Protective IL-22 Responses in Intestinal Inflammation. Cell Reports, 2016, 16, 2208-2218.	6.4	89
90	Interferon-? secretion by peripheral blood T-cell subsets in multiple sclerosis: Correlation with disease phase and interferon-? therapy. Annals of Neurology, 1999, 45, 247-250.	5.3	86

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91	Dermal ILâ€17â€producing Î³Î´ T cells establish longâ€lived memory in the skin. European Journal of Immunology, 2015, 45, 3022-3033.	2.9	86
92	Pericytes regulate vascular immune homeostasis in the CNS. Proceedings of the National Academy of Sciences of the United States of America, 2021, 118, .	7.1	86
93	TGF-Î² Signalling Is Required for CD4+ T Cell Homeostasis But Dispensable for Regulatory T Cell Function. PLoS Biology, 2013, 11, e1001674.	5.6	85
94	The Fas pathway is involved in pancreatic beta cell secretory function. Proceedings of the National Academy of Sciences of the United States of America, 2007, 104, 2861-2866.	7.1	83
95	Endothelial overexpression of LOX-1 increases plaque formation and promotes atherosclerosis in vivo. European Heart Journal, 2014, 35, 2839-2848.	2.2	82
96	Cytokine networks in multiple sclerosis: lost in translation. Current Opinion in Neurology, 2010, 23, 205-211.	3.6	79
97	IL-23 produced by CNS-resident cells controls T cell encephalitogenicity during the effector phase of experimental autoimmune encephalomyelitis. Journal of Clinical Investigation, 2003, 112, 1186-1191.	8.2	79
98	Tissue microenvironment dictates the fate and tumor-suppressive function of type 3 ILCs. Journal of Experimental Medicine, 2017, 214, 2331-2347.	8.5	78
99	Neuroprotective intervention by interferon-Î³ blockade prevents CD8+ T cellâ€“mediated dendrite and synapse loss. Journal of Experimental Medicine, 2013, 210, 2087-2103.	8.5	77
100	Alternative NFâ€ÎºB signaling regulates mTEC differentiation from podoplaninâ€expressing precursors in the corticoâ€medullary junction. European Journal of Immunology, 2015, 45, 2218-2231.	2.9	77
101	Hiding under the skin: Interleukin-17â€“producing Î³Î´ T cells go under the skin?. Nature Medicine, 2012, 18, 1748-1750.	30.7	76
102	Collateral Bystander Damage by Myelin-Directed CD8+ T Cells Causes Axonal Loss. American Journal of Pathology, 2009, 175, 1160-1166.	3.8	75
103	Distinct immunological signatures discriminate severe COVID-19 from non-SARS-CoV-2-driven critical pneumonia. Immunity, 2021, 54, 1578-1593.e5.	14.3	75
104	Alveolar macrophages rely on GM-CSF from alveolar epithelial type 2 cells before and after birth. Journal of Experimental Medicine, 2021, 218, .	8.5	70
105	Graft-versus-host disease, but not graft-versus-leukemia immunity, is mediated by GM-CSFâ€“licensed myeloid cells. Science Translational Medicine, 2018, 10, .	12.4	68
106	Histamine H1 Receptor Promotes Atherosclerotic Lesion Formation by Increasing Vascular Permeability for Low-Density Lipoproteins. Arteriosclerosis, Thrombosis, and Vascular Biology, 2010, 30, 923-930.	2.4	67
107	ATG-dependent phagocytosis in dendritic cells drives myelin-specific CD4 ⁺ T cell pathogenicity during CNS inflammation. Proceedings of the National Academy of Sciences of the United States of America, 2017, 114, E11228-E11237.	7.1	67
108	IL-17 controls central nervous system autoimmunity through the intestinal microbiome. Science Immunology, 2021, 6, .	11.9	67

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109	CD40 engagement stimulates IL-12 p70 production by human microglial cells: basis for Th1 polarization in the CNS. Journal of Neuroimmunology, 2000, 102, 44-50.	2.3	66
110	Dendritic Cells Prevent Rather Than Promote Immunity Conferred by a Helicobacter Vaccine Using a Mycobacterial Adjuvant. Gastroenterology, 2011, 141, 186-196.e1.	1.3	66
111	BAFF-secreting neutrophils drive plasma cell responses during emergency granulopoiesis. Journal of Experimental Medicine, 2016, 213, 1537-1553.	8.5	66
112	Helicobacter pyloriâ€“specific Protection Against Inflammatory Bowel Disease Requires the NLRP3 Inflammasome and IL-18. Inflammatory Bowel Diseases, 2015, 21, 854-861.	1.9	65
113	Restoration of Natural Killer Cell Antimetastatic Activity by IL12 and Checkpoint Blockade. Cancer Research, 2017, 77, 7059-7071.	0.9	64
114	Dendritic Cells Require the NF-Î¹B2 Pathway for Cross-Presentation of Soluble Antigens. Journal of Immunology, 2008, 181, 354-363.	0.8	63
115	The CNS Immune Landscape from the Viewpoint of a T Cell. Trends in Neurosciences, 2019, 42, 667-679.	8.6	63
116	Conventional NK cells and tissue-resident ILC1s join forces to control liver metastasis. Proceedings of the National Academy of Sciences of the United States of America, 2021, 118, .	7.1	63
117	CD95â€“CD95L: can the brain learn from the immune system?. Trends in Neurosciences, 1998, 21, 114-116.	8.6	62
118	B-cells need a proper house, whereas T-cells are happy in a cave: the dependence of lymphocytes on secondary lymphoid tissues during evolution. Trends in Immunology, 2010, 31, 144-153.	6.8	62
119	NIK signaling in dendritic cells but not in T cells is required for the development of effector T cells and cell-mediated immune responses. Journal of Experimental Medicine, 2011, 208, 1917-1929.	8.5	62
120	Communication between pathogenic T cells and myeloid cells in neuroinflammatory disease. Trends in Immunology, 2013, 34, 114-119.	6.8	62
121	ILâ€23â€driven encephaloâ€tropism and Th17 polarization during CNSâ€inflammation in vivo. European Journal of Immunology, 2009, 39, 1864-1869.	2.9	61
122	Autoantibody-mediated demyelination depends on complement activation but not activatory Fc-receptors. Proceedings of the National Academy of Sciences of the United States of America, 2006, 103, 18697-18702.	7.1	59
123	The AP1 Transcription Factor Fosl2 Promotes Systemic Autoimmunity and Inflammation by Repressing Treg Development. Cell Reports, 2020, 31, 107826.	6.4	59
124	B7 Expression and Antigen Presentation by Human Brain Endothelial Cells: Requirement for Proinflammatory Cytokines. Journal of Neuropathology and Experimental Neurology, 2000, 59, 129-136.	1.7	58
125	CD8+ T cells retain protective functions despite sustained inhibitory receptor expression during Epstein-Barr virus infection in vivo. PLoS Pathogens, 2019, 15, e1007748.	4.7	57
126	IFNÎ³ and GM-CSF control complementary differentiation programs in the monocyte-to-phagocyte transition during neuroinflammation. Nature Immunology, 2022, 23, 217-228.	14.5	57

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127	Dietary Î±-linolenic acid diminishes experimental atherogenesis and restricts T cell-driven inflammation. European Heart Journal, 2011, 32, 2573-2584.	2.2	56
128	Targeting interleukin-17 in chronic inflammatory disease: A clinical perspective. Journal of Experimental Medicine, 2020, 217, .	8.5	55
129	Modeling multiple sclerosis in laboratory animals. Seminars in Immunopathology, 2009, 31, 479-495.	6.1	53
130	Microglial Homeostasis Requires Balanced CSF-1/CSF-2 Receptor Signaling. Cell Reports, 2020, 30, 3004-3019.e5.	6.4	53
131	Anti-human CD117 CAR T-cells efficiently eliminate healthy and malignant CD117-expressing hematopoietic cells. Leukemia, 2020, 34, 2688-2703.	7.2	52
132	Expression of a homologue of rat NG2 on human microglia. , 1999, 27, 259-268.		51
133	CNS live imaging reveals a new mechanism of myelination: The liquid croissant model. Glia, 2011, 59, 1841-1849.	4.9	50
134	Programming Hippocampal Neural Stem/Progenitor Cells into Oligodendrocytes Enhances Remyelination in the Adult Brain after Injury. Cell Reports, 2015, 11, 1679-1685.	6.4	50
135	Regulatory T Cells Restrain Pathogenic T Helper Cells during Skin Inflammation. Cell Reports, 2018, 25, 3564-3572.e4.	6.4	49
136	Conditional Gene-Targeting in Mice: Problems and Solutions. Immunity, 2018, 48, 835-836.	14.3	49
137	Two populations of self-maintaining monocyte-independent macrophages exist in adult epididymis and testis. Proceedings of the National Academy of Sciences of the United States of America, 2021, 118, .	7.1	49
138	Targeted Delivery of IL2 to the Tumor Stroma Potentiates the Action of Immune Checkpoint Inhibitors by Preferential Activation of NK and CD8+ T Cells. Cancer Immunology Research, 2019, 7, 572-583.	3.4	47
139	Mitochondrial arginase-2 is a cellâ€'autonomous regulator of CD8+ T cell function and antitumor efficacy. JCI Insight, 2019, 4, .	5.0	47
140	The GM-CSFâ€"IRF5 signaling axis in eosinophils promotes antitumor immunity through activation of type 1 T cell responses. Journal of Experimental Medicine, 2020, 217, .	8.5	45
141	Plaque-associated myeloid cells derive from resident microglia in an Alzheimerâ€™s disease model. Journal of Experimental Medicine, 2020, 217, .	8.5	45
142	Twin study reveals non-heritable immune perturbations in multiple sclerosis. Nature, 2022, 603, 152-158.	27.8	45
143	CD39+PD-1+CD8+ T cells mediate metastatic dormancy in breast cancer. Nature Communications, 2021, 12, 769.	12.8	42
144	Group 3 Innate Lymphoid Cells Program a Distinct Subset of IL-22BP-Producing Dendritic Cells Demarcating Solitary Intestinal Lymphoid Tissues. Immunity, 2020, 53, 1015-1032.e8.	14.3	41

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145	Cytokine Complexâ€“expanded Natural Killer Cells Improve Allogeneic Lung Transplant Function via Depletion of Donor Dendritic Cells. American Journal of Respiratory and Critical Care Medicine, 2013, 187, 1349-1359.	5.6	40
146	IL17A-Mediated Endothelial Breach Promotes Metastasis Formation. Cancer Immunology Research, 2016, 4, 26-32.	3.4	40
147	CYBB/NOX2 in conventional DCs controls T cell encephalitogenicity during neuroinflammation. Autophagy, 2021, 17, 1244-1258.	9.1	39
148	CSF1R-dependent myeloid cells are required for NKâ€‘mediated control of metastasis. JCI Insight, 2018, 3, .	5.0	38
149	CyTOF workflow: differential discovery in high-throughput high-dimensional cytometry datasets. F1000Research, 0, 6, 748.	1.6	36
150	The NFÎºB-inducing kinase is essential for the developmental programming of skin-resident and IL-17-producing Î³Î´ T cells. ELife, 2015, 4, .	6.0	36
151	Caspase 8 expression and signaling in Fas injury-resistant human fetal astrocytes. Glia, 2001, 33, 217-224.	4.9	35
152	Pathogen Specificity and Autoimmunity Are Distinct Features of Antigen-Driven Immune Responses in Neuroborreliosis. Infection and Immunity, 2007, 75, 3842-3847.	2.2	34
153	Evaluation of OPEN Zinc Finger Nucleases for Direct Gene Targeting of the ROSA26 Locus in Mouse Embryos. PLoS ONE, 2012, 7, e41796.	2.5	34
154	Neo-Lymphoid Aggregates in the Adult Liver Can Initiate Potent Cell-Mediated Immunity. PLoS Biology, 2009, 7, e1000109.	5.6	33
155	The end of omics? High dimensional single cell analysis in precision medicine. European Journal of Immunology, 2019, 49, 212-220.	2.9	33
156	Inactivation of sphingosine-1-phosphate receptor 2 (S1PR2) decreases demyelination and enhances remyelination in animal models of multiple sclerosis. Neurobiology of Disease, 2019, 124, 189-201.	4.4	32
157	IL-27, but not IL-35, inhibits neuroinflammation through modulating GM-CSF expression. Scientific Reports, 2017, 7, 16547.	3.3	30
158	IL-23 supports host defense against systemic Candida albicans infection by ensuring myeloid cell survival. PLoS Pathogens, 2019, 15, e1008115.	4.7	28
159	Single-cell profiling of myasthenia gravis identifies a pathogenic T cell signature. Acta Neuropathologica, 2021, 141, 901-915.	7.7	28
160	Glial Cells as Regulators of Neuroimmune Interactions in the Central Nervous System. Journal of Immunology, 2020, 204, 251-255.	0.8	27
161	Sirt6 deletion in bone marrow-derived cells increases atherosclerosis â€“ Central role of macrophage scavenger receptor 1. Journal of Molecular and Cellular Cardiology, 2020, 139, 24-32.	1.9	26
162	CD169+ lymph node macrophages have protective functions in mouse breast cancer metastasis. Cell Reports, 2021, 35, 108993.	6.4	26

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163	Immunization against poly- N -acetylglucosamine reduces neutrophil activation and GVHD while sparing microbial diversity. Proceedings of the National Academy of Sciences of the United States of America, 2019, 116, 20700-20706.	7.1	25
164	GM-CSF: Master regulator of the T cell-phagocyte interface during inflammation. Seminars in Immunology, 2021, 54, 101518.	5.6	25
165	Interleukin-12 bypasses common gamma-chain signalling in emergency natural killer cell lymphopoiesis. Nature Communications, 2016, 7, 13708.	12.8	24
166	SerpinB1 controls encephalitogenic T helper cells in neuroinflammation. Proceedings of the National Academy of Sciences of the United States of America, 2019, 116, 20635-20643.	7.1	23
167	Innate lymphoid cells as regulators of the tumor microenvironment. Seminars in Immunology, 2019, 41, 101270.	5.6	23
168	Brown adipose tissue monocytes support tissue expansion. Nature Communications, 2021, 12, 5255.	12.8	23
169	Granulocyte-Macrophage Colony Stimulating Factor As an Indirect Mediator of Nociceptor Activation and Pain. Journal of Neuroscience, 2020, 40, 2189-2199.	3.6	22
170	GM-CSF instigates a dendritic cellâ€“T-cell inflammatory circuit that drives chronic asthma development. Journal of Allergy and Clinical Immunology, 2021, 147, 2118-2133.e3.	2.9	21
171	Tissue-resident memory CD8 ⁺ T cells cooperate with CD4 ⁺ T cells to drive compartmentalized immunopathology in the CNS. Science Translational Medicine, 2022, 14, eabl6058.	12.4	21
172	Immunotherapy for multiple sclerosis: From theory to practice. Nature Medicine, 1996, 2, 1074-1075.	30.7	20
173	Building a zoo of mice for genetic analyses: A comprehensive protocol for the rapid generation of BAC transgenic mice. Genesis, 2010, 48, 264-280.	1.6	19
174	Extracorporeal Photopheresis for Colitis Induced by Checkpoint-Inhibitor Therapy. New England Journal of Medicine, 2020, 382, 294-296.	27.0	19
175	Mass Cytometry of CSF Identifies an MS-Associated B-cell Population. Neurology: Neuroimmunology and NeuroInflammation, 2021, 8, .	6.0	19
176	TH Cells and Cytokines in Encephalitogenic Disorders. Frontiers in Immunology, 2022, 13, 822919.	4.8	19
177	<scp>T</scp>hy1⁺<scp>S</scp>ca1⁺ innate lymphoid cells infiltrate the <scp>CNS</scp> during autoimmune inflammation, but do not contribute to disease development. European Journal of Immunology, 2014, 44, 37-45.	2.9	18
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