Melanie Greter

List of Publications by Year
in descending order

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66 papers	20,040 citations	71097 41 h-index	106340 65 g-index
69 all docs	69 docs citations	69 times ranked	23773 citing authors

#	Article	IF	Citations
1	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
2	Adolescence is a sensitive period for prefrontal microglia to act on cognitive development. Science Advances, 2022, 8, eabi6672.	10.3	40
3	Single-cell profiling of immune system alterations in lymphoid, barrier and solid tissues in aged mice. Nature Aging, 2022, 2, 74-89.	11.6	16
4	Diversity and function of brain-associated macrophages. Current Opinion in Immunology, 2022, 76, 102181.	5.5	28
5	Microglia control small vessel calcification via TREM2. Science Advances, 2021, 7, .	10.3	22
6	The dural sinus hub: more than just a brain drain. Cell, 2021, 184, 858-860.	28.9	5
7	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
8	Monocytes promote UVâ€induced epidermal carcinogenesis. European Journal of Immunology, 2021, 51, 1799-1808.	2.9	7
9	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
10	Cold exposure protects from neuroinflammation through immunologic reprogramming. Cell Metabolism, 2021, 33, 2231-2246.e8.	16.2	21
11	Emerging roles of IL-34 in health and disease. Journal of Experimental Medicine, 2020, 217, .	8.5	63
12	A Single Metabolite which Modulates Lipid Metabolism Alters Hematopoietic Stem/Progenitor Cell Behavior and Promotes Lymphoid Reconstitution. Stem Cell Reports, 2020, 15, 566-576.	4.8	10
13	Single-Cell Mapping of Human Brain Cancer Reveals Tumor-Specific Instruction of Tissue-Invading Leukocytes. Cell, 2020, 181, 1626-1642.e20.	28.9	388
14	STOP floxing around: Specificity and leakiness of inducible Cre/loxP systems. European Journal of Immunology, 2020, 50, 338-341.	2.9	29
15	ImmGen at 15. Nature Immunology, 2020, 21, 700-703.	14.5	55
16	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
17	Early Fate Defines Microglia and Non-parenchymal Brain Macrophage Development. Cell, 2020, 181, 557-573.e18.	28.9	218
18	Skipping adolescence to become super-inflammatory monocytes. Nature Immunology, 2020, 21, 491-492.	14.5	0

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19	Single cell mapping of human brain tumors reveals tumor-specific education of tissue-invading leukocytes.. Journal of Clinical Oncology, 2020, 38, 2509-2509.	1.6	1
20	Bhlhe40 and Bhlhe41 transcription factors regulate alveolar macrophage selfâ€renewal and identity. EMBO Journal, 2019, 38, e101233.	7.8	68
21	The CNS Immune Landscape from the Viewpoint of a T Cell. Trends in Neurosciences, 2019, 42, 667-679.	8.6	63
22	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
23	Checking macrophages at the border. Nature Neuroscience, 2019, 22, 848-850.	14.8	6
24	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
25	Microbiome Influences Prenatal and Adult Microglia in a Sex-Specific Manner. Cell, 2018, 172, 500-516.e16.	28.9	563
26	Trained Microglia Trigger Memory Loss. Immunity, 2018, 48, 849-851.	14.3	7
27	The Cytokine TGF-Î² Promotes the Development and Homeostasis of Alveolar Macrophages. Immunity, 2017, 47, 903-912.e4.	14.3	235
28	EMPhasis on Mutant Microglia: Dysregulation of Brain Sentinels Induces Neurodegeneration. Cell Stem Cell, 2017, 21, 566-568.	11.1	1
29	Neural precursor cellâ€“secreted TGF-Î²2 redirects inflammatory monocyte-derived cells in CNS autoimmunity. Journal of Clinical Investigation, 2017, 127, 3937-3953.	8.2	40
30	GM-CSF: From Growth Factor to Central Mediator of Tissue Inflammation. Immunity, 2016, 45, 963-973.	14.3	417
31	Sall1 is a transcriptional regulator defining microglia identity and function. Nature Immunology, 2016, 17, 1397-1406.	14.5	430
32	Family ties among CNS macrophages. Nature Immunology, 2016, 17, 742-743.	14.5	6
33	Microglia Versus Myeloid Cell Nomenclature during Brain Inflammation. Frontiers in Immunology, 2015, 6, 249.	4.8	236
34	C-Myb+ Erythro-Myeloid Progenitor-Derived Fetal Monocytes Give Rise to Adult Tissue-Resident Macrophages. Immunity, 2015, 42, 665-678.	14.3	847
35	Neutralization of colony-stimulating factor 1 receptor prevents sickness behavior syndrome by reprogramming inflammatory monocytes to produce IL-10. Brain, Behavior, and Immunity, 2015, 48, 78-85.	4.1	8
36	Homeostasis of Microglia in the Adult Brain: Review of Novel Microglia Depletion Systems. Trends in Immunology, 2015, 36, 625-636.	6.8	153

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37	The Cytokine GM-CSF Drives the Inflammatory Signature of CCR2+ Monocytes and Licenses Autoimmunity. Immunity, 2015, 43, 502-514.	14.3	391
38	Neural progenitor cells orchestrate microglia migration and positioning into the developing cortex. Nature Communications, 2014, 5, 5611.	12.8	177
39	High-dimensional analysis of the murine myeloid cell system. Nature Immunology, 2014, 15, 1181-1189.	14.5	349
40	Isolation of Leukocytes from Mouse Central Nervous System. Methods in Molecular Biology, 2014, 1193, 15-19.	0.9	7
41	Communication between pathogenic T cells and myeloid cells in neuroinflammatory disease. Trends in Immunology, 2013, 34, 114-119.	6.8	62
42	Tissue-Resident Macrophages Self-Maintain Locally throughout Adult Life with Minimal Contribution from Circulating Monocytes. Immunity, 2013, 38, 792-804.	14.3	1,767
43	Regulation of microglia development and homeostasis. Glia, 2013, 61, 121-127.	4.9	111
44	Adult Langerhans cells derive predominantly from embryonic fetal liver monocytes with a minor contribution of yolk sacâ€“derived macrophages. Journal of Experimental Medicine, 2012, 209, 1167-1181.	8.5	639
45	Systemic Analysis of PPARÎ³ in Mouse Macrophage Populations Reveals Marked Diversity in Expression with Critical Roles in Resolution of Inflammation and Airway Immunity. Journal of Immunology, 2012, 189, 2614-2624.	0.8	149
46	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
47	Acquitting an <scp>APC</scp>: <scp>DC</scp>s found â€œnot guiltyâ€•after trial by ablation. European Journal of Immunology, 2012, 42, 2551-2554.	2.9	4
48	GM-CSF Controls Nonlymphoid Tissue Dendritic Cell Homeostasis but Is Dispensable for the Differentiation of Inflammatory Dendritic Cells. Immunity, 2012, 36, 1031-1046.	14.3	365
49	Gene-expression profiles and transcriptional regulatory pathways that underlie the identity and diversity of mouse tissue macrophages. Nature Immunology, 2012, 13, 1118-1128.	14.5	1,731
50	Deciphering the transcriptional network of the dendritic cell lineage. Nature Immunology, 2012, 13, 888-899.	14.5	688
51	Antigen-presenting cellâ€“derived complement modulates graft-versus-host disease. Journal of Clinical Investigation, 2012, 122, 2234-2238.	8.2	63
52	Notch2 Receptor Signaling Controls Functional Differentiation of Dendritic Cells in the Spleen and Intestine. Immunity, 2011, 35, 780-791.	14.3	412
53	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
54	Pretransplant CSF-1 therapy expands recipient macrophages and ameliorates GVHD after allogeneic hematopoietic cell transplantation. Journal of Experimental Medicine, 2011, 208, 1069-1082.	8.5	145

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55	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
56	Mammalian Target of Rapamycin Controls Dendritic Cell Development Downstream of Flt3 Ligand Signaling. Immunity, 2010, 33, 597-606.	14.3	142
57	Fate Mapping Analysis Reveals That Adult Microglia Derive from Primitive Macrophages. Science, 2010, 330, 841-845.	12.6	3,920
58	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
59	Pre-Transplant CSF-1 Therapy Expands the Recipient Macrophage Pool and Modulates Graft Versus Host Disease After Allogeneic Hematopoietic Cell Transplantation. Blood, 2010, 116, 242-242.	1.4	1
60	The origin and development of nonlymphoid tissue CD103+ DCs. Journal of Experimental Medicine, 2009, 206, 3115-3130.	8.5	641
61	Neo-Lymphoid Aggregates in the Adult Liver Can Initiate Potent Cell-Mediated Immunity. PLoS Biology, 2009, 7, e1000109.	5.6	33
62	Origin of the Lamina Propria Dendritic Cell Network. Immunity, 2009, 31, 513-525.	14.3	758
63	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
64	Antigen presentation in autoimmunity and CNS inflammation: how T lymphocytes recognize the brain. Journal of Molecular Medicine, 2006, 84, 532-543.	3.9	204
65	Experimental autoimmune encephalomyelitis repressed by microglial paralysis. Nature Medicine, 2005, 11, 146-152.	30.7	667
66	Dendritic cells permit immune invasion of the CNS in an animal model of multiple sclerosis. Nature Medicine, 2005, 11, 328-334.	30.7	775