

Peter Wieghofer

List of Publications by Year in descending order

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Version: 2024-02-01

29
papers

6,334
citations

430442

18
h-index

500791

28
g-index

31
all docs

31
docs citations

31
times ranked

9621
citing authors

#	ARTICLE	IF	CITATIONS
1	Host microbiota constantly control maturation and function of microglia in the CNS. <i>Nature Neuroscience</i> , 2015, 18, 965-977.	7.1	2,340
2	Microglia emerge from erythromyeloid precursors via Pu.1- and Irf8-dependent pathways. <i>Nature Neuroscience</i> , 2013, 16, 273-280.	7.1	1,121
3	Origin, fate and dynamics of macrophages at central nervous system interfaces. <i>Nature Immunology</i> , 2016, 17, 797-805.	7.0	872
4	A new type of microglia gene targeting shows TAK1 to be pivotal in CNS autoimmune inflammation. <i>Nature Neuroscience</i> , 2013, 16, 1618-1626.	7.1	574
5	Self-renewing resident arterial macrophages arise from embryonic CX3CR1+ precursors and circulating monocytes immediately after birth. <i>Nature Immunology</i> , 2016, 17, 159-168.	7.0	275
6	Single-cell mass cytometry reveals distinct populations of brain myeloid cells in mouse neuroinflammation and neurodegeneration models. <i>Nature Neuroscience</i> , 2018, 21, 541-551.	7.1	249
7	A20 critically controls microglia activation and inhibits inflammasome-dependent neuroinflammation. <i>Nature Communications</i> , 2018, 9, 2036.	5.8	152
8	Genetic targeting of microglia. <i>Glia</i> , 2015, 63, 1-22.	2.5	116
9	Transcriptome-based profiling of yolk sac-derived macrophages reveals a role for Irf8 in macrophage maturation. <i>EMBO Journal</i> , 2016, 35, 1730-1744.	3.5	108
10	Mapping the origin and fate of myeloid cells in distinct compartments of the eye by single-cell profiling. <i>EMBO Journal</i> , 2021, 40, e105123.	3.5	60
11	A pain-mediated neural signal induces relapse in murine autoimmune encephalomyelitis, a multiple sclerosis model. <i>ELife</i> , 2015, 4, .	2.8	57
12	Genetic manipulation of microglia during brain development and disease. <i>Biochimica Et Biophysica Acta - Molecular Basis of Disease</i> , 2016, 1862, 299-309.	1.8	49
13	Adipocyte death triggers a pro-inflammatory response and induces metabolic activation of resident macrophages. <i>Cell Death and Disease</i> , 2021, 12, 579.	2.7	47
14	Temporospatial distribution and transcriptional profile of retinal microglia in the oxygen-induced retinopathy mouse model. <i>Glia</i> , 2020, 68, 1859-1873.	2.5	40
15	Subretinal fibrosis in neovascular age-related macular degeneration: current concepts, therapeutic avenues, and future perspectives. <i>Cell and Tissue Research</i> , 2022, 387, 361-375.	1.5	39
16	Transcriptomic Characterization of Human Choroidal Neovascular Membranes Identifies Calprotectin as a Novel Biomarker for Patients with Age-Related Macular Degeneration. <i>American Journal of Pathology</i> , 2020, 190, 1632-1642.	1.9	38
17	Infiltration of circulating myeloid cells through CD95L contributes to neurodegeneration in mice. <i>Journal of Experimental Medicine</i> , 2015, 212, 469-480.	4.2	37
18	The Role of Osteopontin in Microglia Biology: Current Concepts and Future Perspectives. <i>Biomedicines</i> , 2022, 10, 840.	1.4	30

#	ARTICLE	IF	CITATIONS
19	Transcriptional Profiling Uncovers Human Hyalocytes as a Unique Innate Immune Cell Population. <i>Frontiers in Immunology</i> , 2020, 11, 567274.	2.2	27
20	Secreted Phosphoprotein 1 Expression in Retinal Mononuclear Phagocytes Links Murine to Human Choroidal Neovascularization. <i>Frontiers in Cell and Developmental Biology</i> , 2020, 8, 618598.	1.8	22
21	Detection of Synaptic Proteins in Microglia by Flow Cytometry. <i>Frontiers in Molecular Neuroscience</i> , 2020, 13, 149.	1.4	20
22	Deciphering the Molecular Signature of Human Hyalocytes in Relation to Other Innate Immune Cell Populations. , 2022, 63, 9.		13
23	Comparative transcriptome analysis of human and murine choroidal neovascularization identifies fibroblast growth factor inducible-14 as phylogenetically conserved mediator of neovascular age-related macular degeneration. <i>Biochimica Et Biophysica Acta - Molecular Basis of Disease</i> , 2022, 1868, 166340.	1.8	11
24	The role of interferon regulatory factor 8 for retinal tissue homeostasis and development of choroidal neovascularisation. <i>Journal of Neuroinflammation</i> , 2021, 18, 215.	3.1	10
25	In-Depth Molecular Profiling Specifies Human Retinal Microglia Identity. <i>Frontiers in Immunology</i> , 2022, 13, 863158.	2.2	8
26	Immunosenescence in Choroidal Neovascularization (CNV)â€™Transcriptional Profiling of NaÃve and CNV-Associated Retinal Myeloid Cells during Aging. <i>International Journal of Molecular Sciences</i> , 2021, 22, 13318.	1.8	7
27	Time- and Stimulus-Dependent Characteristics of Innate Immune Cells in Organ-Cultured Human Corneal Tissue. <i>Journal of Innate Immunity</i> , 2022, 14, 98-111.	1.8	5
28	Guardians of the eye: new tales about retinal microglia and other ocular macrophages. <i>Neural Regeneration Research</i> , 2022, 17, 1275.	1.6	5
29	Transcriptional and Distributional Profiling of Microglia in Retinal Angiomatous Proliferation. <i>International Journal of Molecular Sciences</i> , 2022, 23, 3443.	1.8	1