Marco Prinz

List of Publications by Citations

318 papers	32,074 citations	89 h-index	174 g-index
343 ext. papers	41,232 ext. citations	14.9 avg, IF	7.45 L-index

#	Paper	IF	Citations
318	A lineage of myeloid cells independent of Myb and hematopoietic stem cells. *Science*, **2012**, 336, 86-90	33.3	1696
317	Host microbiota constantly control maturation and function of microglia in the CNS. *Nature Neuroscience*, **2015**, 18, 965-77	25.5	1511
316	DNA methylation-based classification of central nervous system tumours. *Nature*, **2018**, 555, 469-474	50.4	992
315	Microglia emerge from erythromyeloid precursors via Pu.1- and Irf8-dependent pathways. *Nature Neuroscience*, **2013**, 16, 273-80	25.5	875
314	Microglia and brain macrophages in the molecular age: from origin to neuropsychiatric disease. *Nature Reviews Neuroscience*, **2014**, 15, 300-12	13.5	855
313	Microglia in the adult brain arise from Ly-6ChiCCR2+ monocytes only under defined host conditions. *Nature Neuroscience*, **2007**, 10, 1544-53	25.5	806
312	U-Net: deep learning for cell counting, detection, and morphometry. *Nature Methods*, **2019**, 16, 67-70	21.6	636
311	Type I interferons and microbial metabolites of tryptophan modulate astrocyte activity and central nervous system inflammation via the aryl hydrocarbon receptor. *Nature Medicine*, **2016**, 22, 586-97	50.5	629
310	Experimental autoimmune encephalomyelitis repressed by microglial paralysis. *Nature Medicine*, **2005**, 11, 146-52	50.5	591
309	Origin, fate and dynamics of macrophages at central nervous system interfaces. *Nature Immunology* , **2016**, 17, 797-805	19.1	572
308	Targeting gene-modified hematopoietic cells to the central nervous system: use of green fluorescent protein uncovers microglial engraftment. *Nature Medicine*, **2001**, 7, 1356-61	50.5	517
307	Heterogeneity of CNS myeloid cells and their roles in neurodegeneration. *Nature Neuroscience*, **2011**, 14, 1227-35	25.5	505
306	p62 Is a common component of cytoplasmic inclusions in protein aggregation diseases. *American Journal of Pathology*, **2002**, 160, 255-63	5.8	495
305	New Brain Tumor Entities Emerge from Molecular Classification of CNS-PNETs. *Cell*, **2016**, 164, 1060-1072	36.2	483
304	Neuropathology of patients with COVID-19 in Germany: a post-mortem case series. *Lancet Neurology, The*, **2020**, 19, 919-929	24.1	465
303	Spatial and temporal heterogeneity of mouse and human microglia at single-cell resolution. *Nature*, **2019**, 566, 388-392	50.4	442
302	A new type of microglia gene targeting shows TAK1 to be pivotal in CNS autoimmune inflammation. *Nature Neuroscience*, **2013**, 16, 1618-26	25.5	428

301	Microglial control of astrocytes in response to microbial metabolites. *Nature*, **2018**, 557, 724-728	50.4	415
300	Innate immune memory in the brain shapes neurological disease hallmarks. *Nature*, **2018**, 556, 332-338	50.4	390
299	DNA methylation protects hematopoietic stem cell multipotency from myeloerythroid restriction. *Nature Genetics*, **2009**, 41, 1207-15	36.3	367
298	Genetic Cell Ablation Reveals Clusters of Local Self-Renewing Microglia in the Mammalian Central Nervous System. *Immunity*, **2015**, 43, 92-106	32.3	358
297	CCR2+Ly-6Chi monocytes are crucial for the effector phase of autoimmunity in the central nervous system. *Brain*, **2009**, 132, 2487-500	11.2	325
296	A new fate mapping system reveals context-dependent random or clonal expansion of microglia. *Nature Neuroscience*, **2017**, 20, 793-803	25.5	316
295	Microglia Biology: One Century of Evolving Concepts. *Cell*, **2019**, 179, 292-311	56.2	313
294	Single-cell profiling identifies myeloid cell subsets with distinct fates during neuroinflammation. *Science*, **2019**, 363,	33.3	313
293	Distinct and nonredundant in vivo functions of IFNAR on myeloid cells limit autoimmunity in the central nervous system. *Immunity*, **2008**, 28, 675-86	32.3	313
292	The role of peripheral immune cells in the CNS in steady state and disease. *Nature Neuroscience*, **2017**, 20, 136-144	25.5	307
291	5STriphosphate-siRNA: turning gene silencing and Rig-I activation against melanoma. *Nature Medicine*, **2008**, 14, 1256-63	50.5	307
290	Progressive replacement of embryo-derived cardiac macrophages with age. *Journal of Experimental Medicine*, **2014**, 211, 2151-8	16.6	299
289	TREM2-transduced myeloid precursors mediate nervous tissue debris clearance and facilitate recovery in an animal model of multiple sclerosis. *PLoS Medicine*, **2007**, 4, e124	11.6	291
288	Innate immunity mediated by TLR9 modulates pathogenicity in an animal model of multiple sclerosis. *Journal of Clinical Investigation*, **2006**, 116, 456-64	15.9	276
287	Axonal loss and neuroinflammation caused by peroxisome-deficient oligodendrocytes. *Nature Genetics*, **2007**, 39, 969-76	36.3	252
286	Distinct and non-redundant roles of microglia and myeloid subsets in mouse models of Alzheimer's disease. *Journal of Neuroscience*, **2011**, 31, 11159-71	6.6	251
285	Microglia contribute to normal myelinogenesis and to oligodendrocyte progenitor maintenance during adulthood. *Acta Neuropathologica*, **2017**, 134, 441-458	14.3	243
284	Ontogeny and homeostasis of CNS myeloid cells. *Nature Immunology*, **2017**, 18, 385-392	19.1	235

283	Factors regulating microglia activation. *Frontiers in Cellular Neuroscience*, **2013**, 7, 44	6.1	227
282	On-demand erythrocyte disposal and iron recycling requires transient macrophages in the liver. *Nature Medicine*, **2016**, 22, 945-51	50.5	224
281	Endothelial CCR2 signaling induced by colon carcinoma cells enables extravasation via the JAK2-Stat5 and p38MAPK pathway. *Cancer Cell*, **2012**, 22, 91-105	24.3	213
280	Self-renewing resident arterial macrophages arise from embryonic CX3CR1(+) precursors and circulating monocytes immediately after birth. *Nature Immunology*, **2016**, 17, 159-68	19.1	209
279	Origin of microglia: current concepts and past controversies. *Cold Spring Harbor Perspectives in Biology*, **2015**, 7, a020537	10.2	208
278	Neutrophil granulocytes recruited upon translocation of intestinal bacteria enhance graft-versus-host disease via tissue damage. *Nature Medicine*, **2014**, 20, 648-54	50.5	187
277	TAK1 suppresses a NEMO-dependent but NF-kappaB-independent pathway to liver cancer. *Cancer Cell*, **2010**, 17, 481-96	24.3	186
276	Transepithelial prion transport by M cells. *Nature Medicine*, **2001**, 7, 976-7	50.5	181
275	Microglia Heterogeneity in the Single-Cell Era. *Cell Reports*, **2020**, 30, 1271-1281	10.6	178
274	Microglia in the CNS: immigrants from another world. *Glia*, **2011**, 59, 177-87	9	177
273	Positioning of follicular dendritic cells within the spleen controls prion neuroinvasion. *Nature*, **2003**, 425, 957-62	50.4	170
272	Single-cell mass cytometry reveals distinct populations of brain myeloid cells in mouse neuroinflammation and neurodegeneration models. *Nature Neuroscience*, **2018**, 21, 541-551	25.5	164
271	Chronic lymphocytic inflammation specifies the organ tropism of prions. *Science*, **2005**, 307, 1107-10	33.3	162
270	Activation of canonical WNT/β-catenin signaling enhances in vitro motility of glioblastoma cells by activation of ZEB1 and other activators of epithelial-to-mesenchymal transition. *Cancer Letters*, **2012**, 325, 42-53	9.9	160
269	The neurovascular unit as a selective barrier to polymorphonuclear granulocyte (PMN) infiltration into the brain after ischemic injury. *Acta Neuropathologica*, **2013**, 125, 395-412	14.3	156
268	Human USP18 deficiency underlies type 1 interferonopathy leading to severe pseudo-TORCH syndrome. *Journal of Experimental Medicine*, **2016**, 213, 1163-74	16.6	154
267	Dendritic cells ameliorate autoimmunity in the CNS by controlling the homeostasis of PD-1 receptor(+) regulatory T cells. *Immunity*, **2012**, 37, 264-75	32.3	154
266	Essential role of ubiquitin-specific protease 8 for receptor tyrosine kinase stability and endocytic trafficking in vivo. *Molecular and Cellular Biology*, **2007**, 27, 5029-39	4.8	150

265	Microglia in Central Nervous System Inflammation and Multiple Sclerosis Pathology. *Trends in Molecular Medicine*, **2019**, 25, 112-123	11.5	149
264	Mapping microglia states in the human brain through the integration of high-dimensional techniques. *Nature Neuroscience*, **2019**, 22, 2098-2110	25.5	148
263	Propionic Acid Shapes the Multiple Sclerosis Disease Course by an Immunomodulatory Mechanism. *Cell*, **2020**, 180, 1067-1080.e16	56.2	146
262	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	50.5	144
261	Circulating monocytes engraft in the brain, differentiate into microglia and contribute to the pathology following meningitis in mice. *Brain*, **2006**, 129, 2394-403	11.2	144
260	Cross-Species Single-Cell Analysis Reveals Divergence of the Primate Microglia Program. *Cell*, **2019**, 179, 1609-1622.e16	56.2	135
259	USP18 lack in microglia causes destructive interferonopathy of the mouse brain. *EMBO Journal*, **2015**, 34, 1612-29	13	134
258	Role of microglia in CNS autoimmunity. *Clinical and Developmental Immunology*, **2013**, 2013, 208093		132
257	Microglia in steady state. *Journal of Clinical Investigation*, **2017**, 127, 3201-3209	15.9	128
256	Macrophages at CNS interfaces: ontogeny and function in health and disease. *Nature Reviews Neuroscience*, **2019**, 20, 547-562	13.5	127
255	Tickets to the brain: role of CCR2 and CX3CR1 in myeloid cell entry in the CNS. *Journal of Neuroimmunology*, **2010**, 224, 80-4	3.5	127
254	Microglia as modulators of cognition and neuropsychiatric disorders. *Glia*, **2013**, 61, 62-70	9	126
253	A novel role of sphingosine 1-phosphate receptor S1pr1 in mouse thrombopoiesis. *Journal of Experimental Medicine*, **2012**, 209, 2165-81	16.6	124
252	Platelet GPIbα is a mediator and potential interventional target for NASH and subsequent liver cancer. *Nature Medicine*, **2019**, 25, 641-655	50.5	123
251	Interleukin 18-independent engagement of interleukin 18 receptor-alpha is required for autoimmune inflammation. *Nature Immunology*, **2006**, 7, 946-53	19.1	122
250	Murine microglial cells produce and respond to interleukin-18. *Journal of Neurochemistry*, **1999**, 72, 2215-68		117
249	Lymph nodal prion replication and neuroinvasion in mice devoid of follicular dendritic cells. *Proceedings of the National Academy of Sciences of the United States of America*, **2002**, 99, 919-24	11.5	116
248	Oral prion infection requires normal numbers of Peyer's patches but not of enteric lymphocytes. *American Journal of Pathology*, **2003**, 162, 1103-11	5.8	114

247	Lack of Neuronal IFN-βR Causes Lewy Body- and Parkinson's Disease-like Dementia. *Cell*, **2015**, 163, 324-39	56.2	113
246	Long-term seizure outcome in 211 patients with focal cortical dysplasia. *Epilepsia*, **2015**, 56, 66-76	6.4	112
245	Bone marrow cell recruitment to the brain in the absence of irradiation or parabiosis bias. *PLoS ONE*, **2013**, 8, e58544	3.7	110
244	Local type I IFN receptor signaling protects against virus spread within the central nervous system. *Journal of Immunology*, **2009**, 182, 2297-304	5.3	110
243	Soluble dimeric prion protein binds PrP(Sc) in vivo and antagonizes prion disease. *Cell*, **2003**, 113, 49-60	56.2	107
242	Tumor-associated reactive astrocytes aid the evolution of immunosuppressive environment in glioblastoma. *Nature Communications*, **2019**, 10, 2541	17.4	105
241	Microglia Plasticity During Health and Disease: An Immunological Perspective. *Trends in Immunology*, **2015**, 36, 614-624	14.4	103
240	Hypothalamic innate immune reaction in obesity. *Nature Reviews Endocrinology*, **2015**, 11, 339-51	15.2	102
239	Single cell RNA sequencing of human microglia uncovers a subset associated with Alzheimer's disease. *Nature Communications*, **2020**, 11, 6129	17.4	102
238	A somatic mutation in erythro-myeloid progenitors causes neurodegenerative disease. *Nature*, **2017**, 549, 389-393	50.4	100
237	Anaplastic astrocytoma with piloid features, a novel molecular class of IDH wildtype glioma with recurrent MAPK pathway, CDKN2A/B and ATRX alterations. *Acta Neuropathologica*, **2018**, 136, 273-291	14.3	99
236	Role of Ninjurin-1 in the migration of myeloid cells to central nervous system inflammatory lesions. *Annals of Neurology*, **2011**, 70, 751-63	9.4	99
235	Interferon-gamma differentially modulates the release of cytokines and chemokines in lipopolysaccharide- and pneumococcal cell wall-stimulated mouse microglia and macrophages. *European Journal of Neuroscience*, **2002**, 16, 2113-22	3.5	99
234	Histone Deacetylases 1 and 2 Regulate Microglia Function during Development, Homeostasis, and Neurodegeneration in a Context-Dependent Manner. *Immunity*, **2018**, 48, 514-529.e6	32.3	98
233	Brain Endothelial- and Epithelial-Specific Interferon Receptor Chain 1 Drives Virus-Induced Sickness Behavior and Cognitive Impairment. *Immunity*, **2016**, 44, 901-12	32.3	97
232	Nuclear factor kappa B (NF-B) in multiple sclerosis pathology. *Trends in Molecular Medicine*, **2013**, 19, 604-13	11.5	94
231	Communicating systems in the body: how microbiota and microglia cooperate. *Immunology*, **2017**, 150, 7-15	7.8	94
230	A20 critically controls microglia activation and inhibits inflammasome-dependent neuroinflammation. *Nature Communications*, **2018**, 9, 2036	17.4	92

229	Microglia: unique and common features with other tissue macrophages. *Acta Neuropathologica*, **2014**, 128, 319-31	14.3	88
228	Mef2C restrains microglial inflammatory response and is lost in brain ageing in an IFN-I-dependent manner. *Nature Communications*, **2017**, 8, 717	17.4	86
227	Genetic targeting of microglia. *Glia*, **2015**, 63, 1-22	9	85
226	Mouse brain microglia express interleukin-15 and its multimeric receptor complex functionally coupled to Janus kinase activity. *Journal of Biological Chemistry*, **1997**, 272, 28853-60	5.4	84
225	Engrafted parenchymal brain macrophages differ from microglia in transcriptome, chromatin landscape and response to challenge. *Nature Communications*, **2018**, 9, 5206	17.4	84
224	Microglial activation by components of gram-positive and -negative bacteria: distinct and common routes to the induction of ion channels and cytokines. *Journal of Neuropathology and Experimental Neurology*, **1999**, 58, 1078-89	3.1	83
223	IkappaB kinase 2 determines oligodendrocyte loss by non-cell-autonomous activation of NF-kappaB in the central nervous system. *Brain*, **2011**, 134, 1184-98	11.2	82
222	Amyloid beta peptide 1-40 enhances the action of Toll-like receptor-2 and -4 agonists but antagonizes Toll-like receptor-9-induced inflammation in primary mouse microglial cell cultures. *Journal of Neurochemistry*, **2005**, 94, 289-98	6	82
221	Novel Hexb-based tools for studying microglia in the CNS. *Nature Immunology*, **2020**, 21, 802-815	19.1	79
220	Central nervous system myeloid cells as drug targets: current status and translational challenges. *Nature Reviews Drug Discovery*, **2016**, 15, 110-24	64.1	79
219	Early and rapid engraftment of bone marrow-derived microglia in scrapie. *Journal of Neuroscience*, **2006**, 26, 11753-62	6.6	79
218	Transcriptome-based profiling of yolk sac-derived macrophages reveals a role for Irf8 in macrophage maturation. *EMBO Journal*, **2016**, 35, 1730-44	13	78
217	Reexamination of the role of ubiquitin-like modifier ISG15 in the phenotype of UBP43-deficient mice. *Molecular and Cellular Biology*, **2005**, 25, 11030-4	4.8	78
216	GENE-27. GENOME-WIDE DNA METHYLATION PROFILING IN GRADE II AND III GLIOMAS REVEALS A SUBSET OF GENES WITH PROGNOSTIC SIGNIFICANCE CONTROLLED BY PROMOTER METHYLATION. *Neuro-Oncology*, **2018**, 20, vi109-vi109	1	78
215	CSIG-21. THE ROLE OF miR-219a-2-3p AS A TUMOR SUPPRESSOR IN IDH1/2-WILD-TYPE GRADE II/III GLIOMAS. *Neuro-Oncology*, **2018**, 20, vi47-vi47	1	78
214	Truncated prion protein and Doppel are myelinotoxic in the absence of oligodendrocytic PrPC. *Journal of Neuroscience*, **2005**, 25, 4879-88	6.6	75
213	Inhibition of amyloid-plaque formation by synuclein. *Nature Medicine*, **2015**, 21, 802-7	50.5	74
212	Cognitive impairment and altered cerebral glucose metabolism in the subacute stage of COVID-19. *Brain*, **2021**, 144, 1263-1276	11.2	74

211	Sarcoma classification by DNA methylation profiling. *Nature Communications*, **2021**, 12, 498	17.4	74
210	Type I interferon pathway in CNS homeostasis and neurological disorders. *Glia*, **2017**, 65, 1397-1406	9	69
209	Mononuclear phagocytes locally specify and adapt their phenotype in a multiple sclerosis model. *Nature Neuroscience*, **2018**, 21, 1196-1208	25.5	69
208	The protein tyrosine kinase inhibitor AG126 prevents the massive microglial cytokine induction by pneumococcal cell walls. *European Journal of Immunology*, **2001**, 31, 2104-15	6.1	69
207	Selective inactivation of USP18 isopeptidase activity in vivo enhances ISG15 conjugation and viral resistance. *Proceedings of the National Academy of Sciences of the United States of America*, **2015**, 112, 1577-82	11.5	68
206	Neurons under T Cell Attack Coordinate Phagocyte-Mediated Synaptic Stripping. *Cell*, **2018**, 175, 458-471.e19	36.1	67
205	Profiling peripheral nerve macrophages reveals two macrophage subsets with distinct localization, transcriptome and response to injury. *Nature Neuroscience*, **2020**, 23, 676-689	25.5	66
204	Inhomogeneous distribution of Iba-1 characterizes microglial pathology in Alzheimer's disease. *Glia*, **2016**, 64, 1562-72	9	65
203	Prion pathogenesis in the absence of Toll-like receptor signalling. *EMBO Reports*, **2003**, 4, 195-9	6.5	63
202	Multi-focal occurrence of cortical dysplasia in epilepsy patients. *Brain*, **2009**, 132, 2079-90	11.2	62
201	Interventional strategies against prion diseases. *Nature Reviews Neuroscience*, **2001**, 2, 745-9	13.5	61
200	Comprehensive analysis of PD-L1 expression in glioblastoma multiforme. *Oncotarget*, **2017**, 8, 42214-42225	5.5	61
199	A Subset of Skin Macrophages Contributes to the Surveillance and Regeneration of Local Nerves. *Immunity*, **2019**, 50, 1482-1497.e7	32.3	60
198	DNA Damage Signaling Instructs Polyploid Macrophage Fate in Granulomas. *Cell*, **2016**, 167, 1264-1280.e18	36.2	60
197	Smad7 in T cells drives T helper 1 responses in multiple sclerosis and experimental autoimmune encephalomyelitis. *Brain*, **2010**, 133, 1067-81	11.2	59
196	Stromal complement receptor CD21/35 facilitates lymphoid prion colonization and pathogenesis. *Journal of Immunology*, **2007**, 179, 6144-52	5.3	59
195	Silencing of TGFβ signalling in microglia results in impaired homeostasis. *Nature Communications*, **2018**, 9, 4011	17.4	59
194	Lineage-specific splicing of a brain-enriched alternative exon promotes glioblastoma progression. *Journal of Clinical Investigation*, **2014**, 124, 2861-76	15.9	58

193	Development and function of tissue resident macrophages in mice. *Seminars in Immunology*, **2015**, 27, 369-78	10.7	57
192	CC chemokine receptor 4 is required for experimental autoimmune encephalomyelitis by regulating GM-CSF and IL-23 production in dendritic cells. *Proceedings of the National Academy of Sciences of the United States of America*, **2012**, 109, 3897-902	11.5	56
191	Deep spatial profiling of human COVID-19 brains reveals neuroinflammation with distinct microanatomical microglia-T-cell interactions. *Immunity*, **2021**, 54, 1594-1610.e11	32.3	55
190	Dicer Deficiency Differentially Impacts Microglia of the Developing and Adult Brain. *Immunity*, **2017**, 46, 1030-1044.e8	32.3	54
189	Melanotic tumors of the nervous system are characterized by distinct mutational, chromosomal and epigenomic profiles. *Brain Pathology*, **2015**, 25, 202-8	6	54
188	Cytosolic RIG-I-like helicases act as negative regulators of sterile inflammation in the CNS. *Nature Neuroscience*, **2011**, 15, 98-106	25.5	54
187	Paracaspase MALT1 deficiency protects mice from autoimmune-mediated demyelination. *Journal of Immunology*, **2013**, 190, 2896-903	5.3	53
186	Interferon-beta signaling in retinal mononuclear phagocytes attenuates pathological neovascularization. *EMBO Molecular Medicine*, **2016**, 8, 670-8	12	53
185	Type I Interferon Receptor Signaling of Neurons and Astrocytes Regulates Microglia Activation during Viral Encephalitis. *Cell Reports*, **2018**, 25, 118-129.e4	10.6	53
184	Antiinflammatory properties of a plant-derived nonsteroidal, dissociated glucocorticoid receptor modulator in experimental autoimmune encephalomyelitis. *Molecular Endocrinology*, **2010**, 24, 310-22		52
183	Targeting microglia in brain disorders. *Science*, **2019**, 365, 32-33	33.3	51
182	Microglial CX3CR1 promotes adult neurogenesis by inhibiting Sirt 1/p65 signaling independent of CX3CL1. *Acta Neuropathologica Communications*, **2016**, 4, 102	7.3	51
181	Seed-induced A deposition is modulated by microglia under environmental enrichment in a mouse model of Alzheimer's disease. *EMBO Journal*, **2018**, 37, 167-182	13	51
180	Unique microglia recovery population revealed by single-cell RNAseq following neurodegeneration. *Acta Neuropathologica Communications*, **2018**, 6, 87	7.3	51
179	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, 18697-702	11.5	50
178	Bone marrow-derived cells expressing green fluorescent protein under the control of the glial fibrillary acidic protein promoter do not differentiate into astrocytes in vitro and in vivo. *Journal of Neuroscience*, **2003**, 23, 5004-11	6.6	50
177	Microglia and Central Nervous System-Associated Macrophages-From Origin to Disease Modulation. *Annual Review of Immunology*, **2021**, 39, 251-277	34.7	49
176	Streptococcus pneumoniae Infection aggravates experimental autoimmune encephalomyelitis via Toll-like receptor 2. *Infection and Immunity*, **2006**, 74, 4841-8	3.7	48

175	CD14 is a key organizer of microglial responses to CNS infection and injury. *Glia*, **2016**, 64, 635-49	9	48
174	Childhood supratentorial ependymomas with YAP1-MAMLD1 fusion: an entity with characteristic clinical, radiological, cytogenetic and histopathological features. *Brain Pathology*, **2019**, 29, 205-216	6	48
173	Oligodendrocyte-specific FADD deletion protects mice from autoimmune-mediated demyelination. *Journal of Immunology*, **2010**, 185, 7646-53	5.3	46
172	Intrinsic TNFR2 signaling in T regulatory cells provides protection in CNS autoimmunity. *Proceedings of the National Academy of Sciences of the United States of America*, **2018**, 115, 13051-13056	11.5	46
171	Autonomous TNF is critical for in vivo monocyte survival in steady state and inflammation. *Journal of Experimental Medicine*, **2017**, 214, 905-917	16.6	45
170	Do not judge a cell by its cover--diversity of CNS resident, adjoining and infiltrating myeloid cells in inflammation. *Seminars in Immunopathology*, **2015**, 37, 591-605	12	45
169	Myeloid cells in Alzheimer's disease: culprits, victims or innocent bystanders?. *Trends in Neurosciences*, **2015**, 38, 659-668	13.3	45
168	CD14 and TRIF govern distinct responsiveness and responses in mouse microglial TLR4 challenges by structural variants of LPS. *Brain, Behavior, and Immunity*, **2011**, 25, 957-70	16.6	45
167	Differential contribution of immune effector mechanisms to cortical demyelination in multiple sclerosis. *Acta Neuropathologica*, **2017**, 134, 15-34	14.3	44
166	Loss of Trex1 in Dendritic Cells Is Sufficient To Trigger Systemic Autoimmunity. *Journal of Immunology*, **2016**, 197, 2157-66	5.3	43
165	Ly-6G+CCR2- myeloid cells rather than Ly-6ChighCCR2+ monocytes are required for the control of bacterial infection in the central nervous system. *Journal of Immunology*, **2008**, 181, 2713-22	5.3	43
164	Microglia facilitate repair of demyelinated lesions via post-squalene sterol synthesis. *Nature Neuroscience*, **2021**, 24, 47-60	25.5	43
163	Licensing of myeloid cells promotes central nervous system autoimmunity and is controlled by peroxisome proliferator-activated receptor *Brain*, **2012**, 135, 1586-605	11.2	42
162	Functional characterization of aquaporin-4 specific T cells: towards a model for neuromyelitis optica. *PLoS ONE*, **2011**, 6, e16083	3.7	42
161	Immune system and peripheral nerves in propagation of prions to CNS. *British Medical Bulletin*, **2003**, 66, 141-59	5.4	42
160	Intrinsic resistance of oligodendrocytes to prion infection. *Journal of Neuroscience*, **2004**, 24, 5974-81	6.6	41
159	NLRP3 inflammasome as prognostic factor and therapeutic target in primary progressive multiple sclerosis patients. *Brain*, **2020**, 143, 1414-1430	11.2	41
158	Induction of inhibitory central nervous system-derived and stimulatory blood-derived dendritic cells suggests a dual role for granulocyte-macrophage colony-stimulating factor in central nervous system inflammation. *Brain*, **2010**, 133, 1637-54	11.2	39

157	beta-adrenergic receptor stimulation selectively inhibits IL-12p40 release in microglia. *Brain Research*, **2001**, 899, 264-70	3.7	39
156	A Novel Function for P2Y2 in Myeloid Recipient-Derived Cells during Graft-versus-Host Disease. *Journal of Immunology*, **2015**, 195, 5795-804	5.3	37
155	NG2 expressed by macrophages and oligodendrocyte precursor cells is dispensable in experimental autoimmune encephalomyelitis. *Brain*, **2011**, 134, 1315-30	11.2	37
154	Genetic manipulation of microglia during brain development and disease. *Biochimica Et Biophysica Acta - Molecular Basis of Disease*, **2016**, 1862, 299-309	6.9	37
153	The force awakens: insights into the origin and formation of microglia. *Current Opinion in Neurobiology*, **2016**, 39, 30-7	7.6	37
152	Microglia contribute to the glia limitans around arteries, capillaries and veins under physiological conditions, in a model of neuroinflammation and in human brain tissue. *Brain Structure and Function* , **2019**, 224, 1301-1314	4	36
151	Resolution of neuroinflammation: mechanisms and potential therapeutic option. *Seminars in Immunopathology*, **2019**, 41, 699-709	12	35
150	Endogenous, or therapeutically induced, type I interferon responses differentially modulate Th1/Th17-mediated autoimmunity in the CNS. *Immunology and Cell Biology*, **2012**, 90, 505-9	5	35
149	Different effects of constitutive and induced microbiota modulation on microglia in a mouse model of Alzheimer's disease. *Acta Neuropathologica Communications*, **2020**, 8, 119	7.3	34
148	MyD88 in macrophages is critical for abscess resolution in staphylococcal skin infection. *Journal of Immunology*, **2015**, 194, 2735-45	5.3	33
147	Love and death: microglia, NLRP3 and the Alzheimer's brain. *Cell Research*, **2013**, 23, 595-6	24.7	33
146	New lessons about old molecules: how type I interferons shape Th1/Th17-mediated autoimmunity in the CNS. *Trends in Molecular Medicine*, **2010**, 16, 379-86	11.5	33
145	Vaccination with Abeta-displaying virus-like particles reduces soluble and insoluble cerebral Abeta and lowers plaque burden in APP transgenic mice. *Journal of Immunology*, **2009**, 182, 7613-24	5.3	33
144	The ubiquitin-specific protease USP8 is critical for the development and homeostasis of T cells. *Nature Immunology*, **2015**, 16, 950-60	19.1	31
143	Microglia metabolism in health and disease. *Neurochemistry International*, **2019**, 130, 104331	4.4	31
142	A□oligomers trigger and accelerate A□seeding. *Brain Pathology*, **2020**, 30, 36-45	6	31
141	Microglia: A Unique Versatile Cell in the Central Nervous System. *ACS Chemical Neuroscience*, **2016**, 7, 428-34	5.7	30
140	mHERC6 is the essential ISG15 E3 ligase in the murine system. *Biochemical and Biophysical Research Communications*, **2012**, 417, 135-40	3.4	30

139	Endothelin-induced calcium signaling in cultured mouse microglial cells is mediated through ETB receptors. *NeuroReport*, **1997**, 8, 2127-31	1.7	30
138	Brain micro-inflammation at specific vessels dysregulates organ-homeostasis via the activation of a new neural circuit. *ELife*, **2017**, 6,	8.9	30
137	Regulation of experimental autoimmune encephalomyelitis by TPL-2 kinase. *Journal of Immunology*, **2014**, 192, 3518-3529	5.3	29
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