Richard M Ransohoff

List of Publications by Citations

310 papers	52,057 citations	104 h-index	225 g-index
353 ext. papers	60,866 ext. citations	11.5 avg, IF	8.1 L-index

#	Paper	IF	Citations
310	Axonal transection in the lesions of multiple sclerosis. *New England Journal of Medicine*, **1998**, 338, 278-85	59.2	3266
309	Neuroinflammation in Alzheimer's disease. *Lancet Neurology, The*, **2015**, 14, 388-405	24.1	2760
308	Microglia sculpt postnatal neural circuits in an activity and complement-dependent manner. *Neuron* , **2012**, 74, 691-705	13.9	2131
307	The many roles of chemokines and chemokine receptors in inflammation. *New England Journal of Medicine*, **2006**, 354, 610-21	59.2	1888
306	Identification of a unique TGF-Ddependent molecular and functional signature in microglia. *Nature Neuroscience*, **2014**, 17, 131-43	25.5	1532
305	Microglial physiology: unique stimuli, specialized responses. *Annual Review of Immunology*, **2009**, 27, 119-45	34.7	1343
304	Development, maintenance and disruption of the blood-brain barrier. *Nature Medicine*, **2013**, 19, 1584-96	30.5	1243
303	Immune attack: the role of inflammation in Alzheimer disease. *Nature Reviews Neuroscience*, **2015**, 16, 358-72	13.5	1216
302	Control of microglial neurotoxicity by the fractalkine receptor. *Nature Neuroscience*, **2006**, 9, 917-24	25.5	1122
301	How neuroinflammation contributes to neurodegeneration. *Science*, **2016**, 353, 777-83	33.3	955
300	A polarizing question: do M1 and M2 microglia exist?. *Nature Neuroscience*, **2016**, 19, 987-91	25.5	833
299	A role for humoral mechanisms in the pathogenesis of Devic's neuromyelitis optica. *Brain*, **2002**, 125, 1450-61	11.2	825
298	Interferons at age 50: past, current and future impact on biomedicine. *Nature Reviews Drug Discovery*, **2007**, 6, 975-90	64.1	810
297	Three or more routes for leukocyte migration into the central nervous system. *Nature Reviews Immunology*, **2003**, 3, 569-81	36.5	799
296	Expression of specific chemokines and chemokine receptors in the central nervous system of multiple sclerosis patients. *Journal of Clinical Investigation*, **1999**, 103, 807-15	15.9	777
295	Inflammatory cortical demyelination in early multiple sclerosis. *New England Journal of Medicine*, **2011**, 365, 2188-97	59.2	734
294	Single-cell transcriptomic analysis of Alzheimer's disease. *Nature*, **2019**, 570, 332-337	50.4	682

293	Innate immunity in the central nervous system. *Journal of Clinical Investigation*, **2012**, 122, 1164-71	15.9	654
292	The anatomical and cellular basis of immune surveillance in the central nervous system. *Nature Reviews Immunology*, **2012**, 12, 623-35	36.5	638
291	The myeloid cells of the central nervous system parenchyma. *Nature*, **2010**, 468, 253-62	50.4	586
290	Differential roles of microglia and monocytes in the inflamed central nervous system. *Journal of Experimental Medicine*, **2014**, 211, 1533-49	16.6	550
289	An environment-dependent transcriptional network specifies human microglia identity. *Science*, **2017**, 356,	33.3	544
288	Heterogeneity of CNS myeloid cells and their roles in neurodegeneration. *Nature Neuroscience*, **2011**, 14, 1227-35	25.5	505
287	Absence of monocyte chemoattractant protein 1 in mice leads to decreased local macrophage recruitment and antigen-specific T helper cell type 1 immune response in experimental autoimmune encephalomyelitis. *Journal of Experimental Medicine*, **2001**, 193, 713-26	16.6	505
286	Disrupted cardiac development but normal hematopoiesis in mice deficient in the second CXCL12/SDF-1 receptor, CXCR7. *Proceedings of the National Academy of Sciences of the United States of America*, **2007**, 104, 14759-64	11.5	466
285	Astrocyte expression of mRNA encoding cytokines IP-10 and JE/MCP-1 in experimental autoimmune encephalomyelitis. *FASEB Journal*, **1993**, 7, 592-600	0.9	450
284	Human cerebrospinal fluid central memory CD4+ T cells: evidence for trafficking through choroid plexus and meninges via P-selectin. *Proceedings of the National Academy of Sciences of the United States of America*, **2003**, 100, 8389-94	11.5	412
283	TREM2 deficiency eliminates TREM2+ inflammatory macrophages and ameliorates pathology in Alzheimer's disease mouse models. *Journal of Experimental Medicine*, **2015**, 212, 287-95	16.6	407
282	Regulation of tau pathology by the microglial fractalkine receptor. *Neuron*, **2010**, 68, 19-31	13.9	401
281	Chemokines in multiple sclerosis: CXCL12 and CXCL13 up-regulation is differentially linked to CNS immune cell recruitment. *Brain*, **2006**, 129, 200-11	11.2	395
280	Selective chemokine receptor usage by central nervous system myeloid cells in CCR2-red fluorescent protein knock-in mice. *PLoS ONE*, **2010**, 5, e13693	3.7	387
279	Axonal pathology in multiple sclerosis: relationship to neurologic disability. *Current Opinion in Neurology*, **1999**, 12, 295-302	7.1	355
278	Efficient derivation of microglia-like cells from human pluripotent stem cells. *Nature Medicine*, **2016**, 22, 1358-1367	50.5	346
277	CX3CR1 deficiency alters microglial activation and reduces beta-amyloid deposition in two Alzheimer's disease mouse models. *American Journal of Pathology*, **2010**, 177, 2549-62	5.8	339
276	The role of MCP-1 (CCL2) and CCR2 in multiple sclerosis and experimental autoimmune encephalomyelitis (EAE). *Seminars in Immunology*, **2003**, 15, 23-32	10.7	325

275	Reactive astrocyte nomenclature, definitions, and future directions. *Nature Neuroscience*, **2021**, 24, 312-325	25.5	298
274	The chemokine receptor CXCR2 controls positioning of oligodendrocyte precursors in developing spinal cord by arresting their migration. *Cell*, **2002**, 110, 373-83	56.2	295
273	Chemokines and chemokine receptors: standing at the crossroads of immunobiology and neurobiology. *Immunity*, **2009**, 31, 711-21	32.3	279
272	Reactive microglia drive tau pathology and contribute to the spreading of pathological tau in the brain. *Brain*, **2015**, 138, 1738-55	11.2	272
271	Interferon-induced antiviral actions and their regulation. *Advances in Virus Research*, **1993**, 42, 57-102	10.7	270
270	A dynamic spectrum of monocytes arising from the in situ reprogramming of CCR2+ monocytes at a site of sterile injury. *Journal of Experimental Medicine*, **2015**, 212, 447-56	16.6	268
269	Peroxisome proliferator-activated receptor-gamma activators inhibit IFN-gamma-induced expression of the T cell-active CXC chemokines IP-10, Mig, and I-TAC in human endothelial cells. *Journal of Immunology*, **2000**, 164, 6503-8	5.3	267
268	The fractalkine receptor but not CCR2 is present on microglia from embryonic development throughout adulthood. *Journal of Immunology*, **2012**, 188, 29-36	5.3	256
267	Evidence for synaptic stripping by cortical microglia. *Glia*, **2007**, 55, 360-8	9	247
266	The expression and function of chemokines involved in CNS inflammation. *Trends in Pharmacological Sciences*, **2006**, 27, 48-55	13.2	240
265	Multiple sclerosis-a quiet revolution. *Nature Reviews Neurology*, **2015**, 11, 134-42	15	233
264	Concussion, microvascular injury, and early tauopathy in young athletes after impact head injury and an impact concussion mouse model. *Brain*, **2018**, 141, 422-458	11.2	231
263	Disease Progression-Dependent Effects of TREM2 Deficiency in a Mouse Model of Alzheimer's Disease. *Journal of Neuroscience*, **2017**, 37, 637-647	6.6	225
262	The neuronal chemokine CX3CL1/fractalkine selectively recruits NK cells that modify experimental autoimmune encephalomyelitis within the central nervous system. *FASEB Journal*, **2006**, 20, 896-905	0.9	225
261	Animal models of multiple sclerosis: the good, the bad and the bottom line. *Nature Neuroscience*, **2012**, 15, 1074-7	25.5	223
260	Axon loss in the spinal cord determines permanent neurological disability in an animal model of multiple sclerosis. *Journal of Neuropathology and Experimental Neurology*, **2002**, 61, 23-32	3.1	223
259	Astrocyte-restricted ablation of interleukin-17-induced Act1-mediated signaling ameliorates autoimmune encephalomyelitis. *Immunity*, **2010**, 32, 414-25	32.3	221
258	Mononuclear phagocytes migrate into the murine cochlea after acoustic trauma. *Journal of Comparative Neurology*, **2005**, 489, 180-94	3.4	220

257	Natalizumab for multiple sclerosis. *New England Journal of Medicine*, **2007**, 356, 2622-9	59.2	215
256	Inflammatory cell trafficking across the blood-brain barrier: chemokine regulation and in vitro models. *Immunological Reviews*, **2012**, 248, 228-39	11.3	210
255	Chemokines and chemokine receptors in inflammation of the nervous system: manifold roles and exquisite regulation. *Immunological Reviews*, **2000**, 177, 52-67	11.3	210
254	CCR1+/CCR5+ mononuclear phagocytes accumulate in the central nervous system of patients with multiple sclerosis. *American Journal of Pathology*, **2001**, 159, 1701-10	5.8	208
253	Microglial Physiology and Pathophysiology: Insights from Genome-wide Transcriptional Profiling. *Immunity*, **2016**, 44, 505-515	32.3	200
252	Localizing central nervous system immune surveillance: meningeal antigen-presenting cells activate T cells during experimental autoimmune encephalomyelitis. *Annals of Neurology*, **2009**, 65, 457-69	9.4	200
251	The chemokine growth-regulated oncogene-alpha promotes spinal cord oligodendrocyte precursor proliferation. *Journal of Neuroscience*, **1998**, 18, 10457-63	6.6	197
250	P2X7-like receptor activation in astrocytes increases chemokine monocyte chemoattractant protein-1 expression via mitogen-activated protein kinase. *Journal of Neuroscience*, **2001**, 21, 7135-42	6.6	196
249	Inflammatory reaction after traumatic brain injury: therapeutic potential of targeting cell-cell communication by chemokines. *Trends in Pharmacological Sciences*, **2015**, 36, 471-80	13.2	192
248	Inflammatory cell migration into the central nervous system: a few new twists on an old tale. *Brain Pathology*, **2007**, 17, 243-50	6	190
247	Multiple sclerosis: a study of CXCL10 and CXCR3 co-localization in the inflamed central nervous system. *Journal of Neuroimmunology*, **2002**, 127, 59-68	3.5	190
246	Macrophages recruited via CCR2 produce insulin-like growth factor-1 to repair acute skeletal muscle injury. *FASEB Journal*, **2011**, 25, 358-69	0.9	188
245	Isolation of murine microglial cells for RNA analysis or flow cytometry. *Nature Protocols*, **2006**, 1, 1947-51	18.8	186
244	Multiple sclerosis normal-appearing white matter: pathology-imaging correlations. *Annals of Neurology*, **2011**, 70, 764-73	9.4	185
243	Microglial repopulation model reveals a robust homeostatic process for replacing CNS myeloid cells. *Proceedings of the National Academy of Sciences of the United States of America*, **2012**, 109, 18150-5	11.5	181
242	The interferons: biological effects, mechanisms of action, and use in multiple sclerosis. *Annals of Neurology*, **1995**, 37, 7-15	9.4	178
241	Infiltrating monocytes promote brain inflammation and exacerbate neuronal damage after status epilepticus. *Proceedings of the National Academy of Sciences of the United States of America*, **2016**, 113, E5665-74	11.5	176
240	CX3CR1 protein signaling modulates microglial activation and protects against plaque-independent cognitive deficits in a mouse model of Alzheimer disease. *Journal of Biological Chemistry*, **2011**, 286, 32713-22	5.4	173

239	CXCR2-positive neutrophils are essential for cuprizone-induced demyelination: relevance to multiple sclerosis. *Nature Neuroscience*, **2010**, 13, 319-26	25.5	167
238	Deficient CX3CR1 signaling promotes recovery after mouse spinal cord injury by limiting the recruitment and activation of Ly6Clo/iNOS+ macrophages. *Journal of Neuroscience*, **2011**, 31, 9910-22	6.6	166
237	Do chemokines mediate leukocyte recruitment in post-traumatic CNS inflammation?. *Trends in Neurosciences*, **1998**, 21, 154-9	13.3	164
236	Modulating CCR2 and CCL2 at the blood-brain barrier: relevance for multiple sclerosis pathogenesis. *Brain*, **2006**, 129, 212-23	11.2	163
235	Microglia in Health and Disease. *Cold Spring Harbor Perspectives in Biology*, **2015**, 8, a020560	10.2	160
234	Selective chemokine mRNA accumulation in the rat spinal cord after contusion injury. *Journal of Neuroscience Research*, **1998**, 53, 368-76	4.4	159
233	Management of multiple sclerosis. *New England Journal of Medicine*, **1997**, 337, 1604-11	59.2	152
232	Modulating neurotoxicity through CX3CL1/CX3CR1 signaling. *Frontiers in Cellular Neuroscience*, **2014**, 8, 229	6.1	151
231	Acute skeletal muscle injury: CCL2 expression by both monocytes and injured muscle is required for repair. *FASEB Journal*, **2011**, 25, 3344-55	0.9	149
230	G-CSF-mediated thrombopoietin release triggers neutrophil motility and mobilization from bone marrow via induction of Cxcr2 ligands. *Blood*, **2011**, 117, 4349-57	2.2	148
229	Non-cell-autonomous effects of presenilin 1 variants on enrichment-mediated hippocampal progenitor cell proliferation and differentiation. *Neuron*, **2008**, 59, 568-80	13.9	147
228	Characterization of beta-R1, a gene that is selectively induced by interferon beta (IFN-beta) compared with IFN-alpha. *Journal of Biological Chemistry*, **1996**, 271, 22878-84	5.4	145
227	Microglia-mediated recovery from ALS-relevant motor neuron degeneration in a mouse model of TDP-43 proteinopathy. *Nature Neuroscience*, **2018**, 21, 329-340	25.5	142
226	The activation status of neuroantigen-specific T cells in the target organ determines the clinical outcome of autoimmune encephalomyelitis. *Journal of Experimental Medicine*, **2004**, 199, 185-97	16.6	141
225	Mechanisms of inflammation in MS tissue: adhesion molecules and chemokines. *Journal of Neuroimmunology*, **1999**, 98, 57-68	3.5	135
224	Cancer Stem Cell-Secreted Macrophage Migration Inhibitory Factor Stimulates Myeloid Derived Suppressor Cell Function and Facilitates Glioblastoma Immune Evasion. *Stem Cells*, **2016**, 34, 2026-39	5.8	133
223	Neuroinflammation: Ways in Which the Immune System Affects the Brain. *Neurotherapeutics*, **2015**, 12, 896-909	6.4	132
222	Act1 mediates IL-17-induced EAE pathogenesis selectively in NG2+ glial cells. *Nature Neuroscience*, **2013**, 16, 1401-8	25.5	131

221	Chemokines and chemokine receptors in neurological disease: raise, retain, or reduce?. *Neurotherapeutics*, **2007**, 4, 590-601	6.4	130
220	Severe disease, unaltered leukocyte migration, and reduced IFN-gamma production in CXCR3-/- mice with experimental autoimmune encephalomyelitis. *Journal of Immunology*, **2006**, 176, 4399-409	5.3	130
219	Chemokines and chemokine receptors in inflammatory demyelinating neuropathies: a central role for IP-10. *Brain*, **2002**, 125, 823-34	11.2	127
218	Chemokines and chemokine receptors: multipurpose players in neuroinflammation. *International Review of Neurobiology*, **2007**, 82, 187-204	4.4	126
217	TREM2 deficiency exacerbates tau pathology through dysregulated kinase signaling in a mouse model of tauopathy. *Molecular Neurodegeneration*, **2017**, 12, 74	19	125
216	Chemokine receptor CXCR3: an unexpected enigma. *Current Topics in Developmental Biology*, **2005**, 68, 149-81	5.3	119
215	Loss of CX3CR1 increases accumulation of inflammatory monocytes and promotes gliomagenesis. *Oncotarget*, **2015**, 6, 15077-94	3.3	117
214	Scavenging roles of chemokine receptors: chemokine receptor deficiency is associated with increased levels of ligand in circulation and tissues. *Blood*, **2008**, 112, 256-63	2.2	114
213	Chronic expression of monocyte chemoattractant protein-1 in the central nervous system causes delayed encephalopathy and impaired microglial function in mice. *FASEB Journal*, **2005**, 19, 761-72	0.9	114
212	Human astrocytes proliferate in response to tumor necrosis factor alpha. *Journal of Neuroimmunology*, **1990**, 30, 239-43	3.5	114
211	The blood-brain barrier. *Handbook of Clinical Neurology / Edited By P J Vinken and G W Bruyn*, **2016**, 133, 39-59	3	113
210	Overexpression of monocyte chemotactic protein-1/CCL2 in beta-amyloid precursor protein transgenic mice show accelerated diffuse beta-amyloid deposition. *American Journal of Pathology*, **2005**, 166, 1475-85	5.8	112
209	Sensory lesioning induces microglial synapse elimination via ADAM10 and fractalkine signaling. *Nature Neuroscience*, **2019**, 22, 1075-1088	25.5	109
208	Nuclear receptors license phagocytosis by trem2+ myeloid cells in mouse models of Alzheimer's disease. *Journal of Neuroscience*, **2015**, 35, 6532-43	6.6	104
207	Elevated levels of the chemokine GRO-1 correlate with elevated oligodendrocyte progenitor proliferation in the jimpy mutant. *Journal of Neuroscience*, **2000**, 20, 2609-17	6.6	104
206	Ontogeny and functions of central nervous system macrophages. *Journal of Immunology*, **2014**, 193, 2615-21	5.3	103
205	Astrocytes as antigen-presenting cells: expression of IL-12/IL-23. *Journal of Neurochemistry*, **2005**, 95, 331-40	6	102
204	Natalizumab and PML. *Nature Neuroscience*, **2005**, 8, 1275	25.5	101

203	Microglial derived tumor necrosis factor-□drives Alzheimer's disease-related neuronal cell cycle events. *Neurobiology of Disease*, **2014**, 62, 273-85	7.5	100
202	Lysophosphatidylcholine regulates human microvascular endothelial cell expression of chemokines. *Journal of Molecular and Cellular Cardiology*, **2003**, 35, 1375-84	5.8	100
201	Effects of neuromyelitis optica-IgG at the blood-brain barrier in vitro. *Neurology: Neuroimmunology and NeuroInflammation*, **2017**, 4, e311	9.1	98
200	T cell-intrinsic ASC critically promotes T(H)17-mediated experimental autoimmune encephalomyelitis. *Nature Immunology*, **2016**, 17, 583-92	19.1	98
199	The Trem2 R47H variant confers loss-of-function-like phenotypes in Alzheimer's disease. *Molecular Neurodegeneration*, **2018**, 13, 29	19	95
198	Expression of chemokines RANTES, MIP-1alpha and GRO-alpha correlates with inflammation in acute experimental autoimmune encephalomyelitis. *NeuroImmunoModulation*, **1998**, 5, 166-71	2.5	95
197	Interferon-beta impairs induction of HLA-DR antigen expression in cultured adult human astrocytes. *Journal of Neuroimmunology*, **1989**, 23, 45-53	3.5	93
196	Monocyte recruitment and myelin removal are delayed following spinal cord injury in mice with CCR2 chemokine receptor deletion. *Journal of Neuroscience Research*, **2002**, 68, 691-702	4.4	92
195	TNF-alpha mediates SDF-1 alpha-induced NF-kappa B activation and cytotoxic effects in primary astrocytes. *Journal of Clinical Investigation*, **2001**, 108, 425-35	15.9	92
194	Chemokines, mononuclear cells and the nervous system: heaven (or hell) is in the details. *Current Opinion in Immunology*, **2006**, 18, 683-9	7.8	90
193	Investigating chemokines and chemokine receptors in patients with multiple sclerosis: opportunities and challenges. *Archives of Neurology*, **2001**, 58, 1975-80		86
192	Glucose-regulated protein 78 autoantibody associates with blood-brain barrier disruption in neuromyelitis optica. *Science Translational Medicine*, **2017**, 9,	17.5	81
191	Cerebrospinal fluid abnormalities in a phase III trial of Avonex (IFNbeta-1a) for relapsing multiple sclerosis. The Multiple Sclerosis Collaborative Research Group. *Journal of Neuroimmunology*, **1999**, 93, 8-14	3.5	81
190	Interferon-beta specifically inhibits interferon-gamma-induced class II major histocompatibility complex gene transcription in a human astrocytoma cell line. *Journal of Neuroimmunology*, **1991**, 33, 103-12	3.5	81
189	Imatinib attenuates skeletal muscle dystrophy in mdx mice. *FASEB Journal*, **2009**, 23, 2539-48	0.9	80
188	Chemokines in and out of the central nervous system: much more than chemotaxis and inflammation. *Journal of Leukocyte Biology*, **2008**, 84, 587-94	6.5	79
187	Mitochondrial immobilization mediated by syntaphilin facilitates survival of demyelinated axons. *Proceedings of the National Academy of Sciences of the United States of America*, **2014**, 111, 9953-8	11.5	78
186	CCL2 accelerates microglia-mediated Abeta oligomer formation and progression of neurocognitive dysfunction. *PLoS ONE*, **2009**, 4, e6197	3.7	78

185	Crosstalk Between Astrocytes and Microglia: An Overview. *Frontiers in Immunology*, **2020**, 11, 1416	8.4	75
184	CXCL12 and CXCR4 in bone marrow physiology. *Expert Review of Hematology*, **2010**, 3, 315-22	2.8	74
183	Opposing effects of membrane-anchored CX3CL1 on amyloid and tau pathologies via the p38 MAPK pathway. *Journal of Neuroscience*, **2014**, 34, 12538-46	6.6	72
182	Chemokine CXCL12 in neurodegenerative diseases: an SOS signal for stem cell-based repair. *Trends in Neurosciences*, **2012**, 35, 619-28	13.3	72
181	Caveolin-3 upregulation activates beta-secretase-mediated cleavage of the amyloid precursor protein in Alzheimer's disease. *Journal of Neuroscience*, **1999**, 19, 6538-48	6.6	71
180	Chemokines in neurological disease models: correlation between chemokine expression patterns and inflammatory pathology. *Journal of Leukocyte Biology*, **1997**, 62, 645-52	6.5	70
179	Treatment of experimental autoimmune encephalomyelitis with the chemokine receptor antagonist Met-RANTES. *Journal of Neuroimmunology*, **2002**, 128, 16-22	3.5	70
178	Alterations in the oligodendrocyte lineage, myelin, and white matter in adult mice lacking the chemokine receptor CXCR2. *Glia*, **2006**, 54, 471-83	9	69
177	VCAM-1-positive microglia target oligodendrocytes at the border of multiple sclerosis lesions. *Journal of Neuropathology and Experimental Neurology*, **2002**, 61, 539-46	3.1	68
176	Cellular responses to interferons and other cytokines: the JAK-STAT paradigm. *New England Journal of Medicine*, **1998**, 338, 616-8	59.2	68
175	Myelin repair is accelerated by inactivating CXCR2 on nonhematopoietic cells. *Journal of Neuroscience*, **2010**, 30, 9074-83	6.6	67
174	Chemokine expression in GKO mice (lacking interferon-gamma) with experimental autoimmune encephalomyelitis. *Journal of NeuroVirology*, **1999**, 5, 95-101	3.9	67
173	Rapid remodeling of tight junctions during paracellular diapedesis in a human model of the blood-brain barrier. *Journal of Immunology*, **2014**, 193, 2427-37	5.3	66
172	CXCR3 marks CD4+ memory T lymphocytes that are competent to migrate across a human brain microvascular endothelial cell layer. *Journal of Neuroimmunology*, **2004**, 153, 150-7	3.5	66
171	Cutting edge: the silent chemokine receptor D6 is required for generating T cell responses that mediate experimental autoimmune encephalomyelitis. *Journal of Immunology*, **2006**, 177, 17-21	5.3	65
170	Regulation of human IP-10 gene expression in astrocytoma cells by inflammatory cytokines. *Journal of Neuroscience Research*, **1998**, 54, 169-80	4.4	64
169	Two-photon laser scanning microscopy imaging of intact spinal cord and cerebral cortex reveals requirement for CXCR6 and neuroinflammation in immune cell infiltration of cortical injury sites. *Journal of Immunological Methods*, **2010**, 352, 89-100	2.5	63
168	Chemokine receptor CXCR2: physiology regulator and neuroinflammation controller?. *Journal of Neuroimmunology*, **2012**, 246, 1-9	3.5	62

167	Sequential expression of chemokines in experimental autoimmune neuritis. *Journal of Neuroimmunology*, **2000**, 110, 121-9	3.5	62
166	Expression of fractalkine receptor CX3CR1 on cochlear macrophages influences survival of hair cells following ototoxic injury. *JARO - Journal of the Association for Research in Otolaryngology*, **2010**, 11, 223-34	3.3	61
165	Interleukin-6 protects anterior horn neurons from lethal virus-induced injury. *Journal of Neuroscience*, **2003**, 23, 481-92	6.6	61
164	Do chemokines mediate inflammatory cell invasion of the central nervous system parenchyma?. *Brain Pathology*, **1994**, 4, 135-43	6	61
163	Imaging correlates of leukocyte accumulation and CXCR4/CXCL12 in multiple sclerosis. *Archives of Neurology*, **2009**, 66, 44-53		60
162	BIN1 favors the spreading of Tau via extracellular vesicles. *Scientific Reports*, **2019**, 9, 9477	4.9	59
161	The roles of chemokine CXCL12 in embryonic and brain tumor angiogenesis. *Seminars in Cancer Biology*, **2009**, 19, 111-5	12.7	59
160	Should We Stop Saying 'Glia' and 'Neuroinflammation'?. *Trends in Molecular Medicine*, **2017**, 23, 486-500	11.5	58
159	Regulation of adaptive immunity by the fractalkine receptor during autoimmune inflammation. *Journal of Immunology*, **2013**, 191, 1063-72	5.3	58
158	Re-establishing immunological self-tolerance in autoimmune disease. *Nature Medicine*, **2012**, 18, 54-8	50.5	58
157	D6 facilitates cellular migration and fluid flow to lymph nodes by suppressing lymphatic congestion. *Blood*, **2011**, 118, 6220-9	2.2	58
156	Haploinsufficiency of utrophin gene worsens skeletal muscle inflammation and fibrosis in mdx mice. *Journal of the Neurological Sciences*, **2008**, 264, 106-11	3.2	58
155	Enhanced axonal growth into a spinal cord contusion injury site in a strain of mouse (129X1/SvJ) with a diminished inflammatory response. *Journal of Comparative Neurology*, **2004**, 474, 469-86	3.4	58
154	Catalytically active TYK2 is essential for interferon-beta-mediated phosphorylation of STAT3 and interferon-alpha receptor-1 (IFNAR-1) but not for activation of phosphoinositol 3-kinase. *Journal of Biological Chemistry*, **1999**, 274, 32507-11	5.4	58
153	Systemic lipopolysaccharide induces cochlear inflammation and exacerbates the synergistic ototoxicity of kanamycin and furosemide. *JARO - Journal of the Association for Research in Otolaryngology*, **2014**, 15, 555-70	3.3	57
152	Major differences in the responses of primary human leukocyte subsets to IFN-beta. *Journal of Immunology*, **2010**, 185, 5888-99	5.3	57
151	Bone marrow transplantation confers modest benefits in mouse models of Huntington's disease. *Journal of Neuroscience*, **2012**, 32, 133-42	6.6	57
150	Expression of chemokine receptors CCR1 and CCR5 reflects differential activation of mononuclear phagocytes in pattern II and pattern III multiple sclerosis lesions. *Journal of Neuropathology and Experimental Neurology*, **2004**, 63, 262-73	3.1	57

149	Monocytes regulate T cell migration through the glia limitans during acute viral encephalitis. *Journal of Virology*, **2010**, 84, 4878-88	6.6	56
148	Depletion of Ly6G/C(+) cells ameliorates delayed cerebral vasospasm in subarachnoid hemorrhage. *Journal of Neuroimmunology*, **2011**, 232, 94-100	3.5	55
147	Steroid-responsive encephalopathy associated with autoimmune thyroiditis and primary CNS demyelination. *Journal of the Neurological Sciences*, **2005**, 228, 3-5	3.2	55
146	CC chemokine receptor 8 in the central nervous system is associated with phagocytic macrophages. *American Journal of Pathology*, **2003**, 162, 427-38	5.8	55
145	Determinants of CCL5-driven mononuclear cell migration across the blood-brain barrier. Implications for therapeutically modulating neuroinflammation. *Journal of Neuroimmunology*, **2006**, 179, 132-44	3.5	54
144	Pertussis toxin-induced reversible encephalopathy dependent on monocyte chemoattractant protein-1 overexpression in mice. *Journal of Neuroscience*, **2002**, 22, 10633-42	6.6	54
143	Monocyte chemoattractant protein (MCP)-1 is rapidly expressed by sympathetic ganglion neurons following axonal injury. *NeuroReport*, **2001**, 12, 601-6	1.7	54
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141	AAV1/2-mediated CNS gene delivery of dominant-negative CCL2 mutant suppresses gliosis, beta-amyloidosis, and learning impairment of APP/PS1 mice. *Molecular Therapy*, **2009**, 17, 803-9	11.7	52
140	Sphingosine 1 Phosphate at the Blood Brain Barrier: Can the Modulation of S1P Receptor 1 Influence the Response of Endothelial Cells and Astrocytes to Inflammatory Stimuli?. *PLoS ONE*, **2015**, 10, e0133392	3.7	52
139	TNF-alpha down-regulates CXCR4 expression in primary murine astrocytes. *Brain Research*, **2001**, 888, 1-10	3.7	51
138	MyD88-dependent interplay between myeloid and endothelial cells in the initiation and progression of obesity-associated inflammatory diseases. *Journal of Experimental Medicine*, **2014**, 211, 887-907	16.6	50
137	An in vitro blood-brain barrier model combining shear stress and endothelial cell/astrocyte co-culture. *Journal of Neuroscience Methods*, **2014**, 232, 165-72	3	49
136	alpha4 Integrin/FN-CS1 mediated leukocyte adhesion to brain microvascular endothelial cells under flow conditions. *Journal of Neuroimmunology*, **2009**, 210, 92-9	3.5	49
135	Alternative and accessory pathways in the regulation of IFN-beta-mediated gene expression. *Journal of Interferon and Cytokine Research*, **2005**, 25, 788-98	3.5	49
134	IL-17-induced Act1-mediated signaling is critical for cuprizone-induced demyelination. *Journal of Neuroscience*, **2012**, 32, 8284-92	6.6	48
133	Impaired respiratory function in mdx and mdx/utrn(+/-) mice. *Muscle and Nerve*, **2011**, 43, 263-7	3.4	48
132	A protective role for ELR+ chemokines during acute viral encephalomyelitis. *PLoS Pathogens*, **2009**, 5, e1000648	7.6	48

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