Voon Wee Yong

List of Publications by Citations

333 papers	22,625 citations	87 h-index	137 g-index
348 ext. papers	25,718 ext. citations	7.3 avg, IF	7.13 L-index

#	Paper	IF	Citations
333	Metalloproteinases in biology and pathology of the nervous system. *Nature Reviews Neuroscience*, **2001**, 2, 502-11	13.5	845
332	Matrix metalloproteinases and diseases of the CNS. *Trends in Neurosciences*, **1998**, 21, 75-80	13.3	556
331	Metalloproteinases: mediators of pathology and regeneration in the CNS. *Nature Reviews Neuroscience*, **2005**, 6, 931-44	13.5	444
330	The promise of minocycline in neurology. *Lancet Neurology, The*, **2004**, 3, 744-51	24.1	390
329	Targeting leukocyte MMPs and transmigration: minocycline as a potential therapy for multiple sclerosis. *Brain*, **2002**, 125, 1297-308	11.2	373
328	Review: Endocrine disrupting chemicals and immune responses: a focus on bisphenol-A and its potential mechanisms. *Molecular Immunology*, **2013**, 53, 421-30	4.3	322
327	Idiopathic Parkinson disease, progressive supranuclear palsy and glutathione metabolism in the substantia nigra of patients. *Neuroscience Letters*, **1986**, 67, 269-74	3.3	315
326	Neuroprotection by minocycline facilitates significant recovery from spinal cord injury in mice. *Brain* , **2003**, 126, 1628-37	11.2	310
325	Intracerebral hemorrhage induces macrophage activation and matrix metalloproteinases. *Annals of Neurology*, **2003**, 53, 731-42	9.4	309
324	Pathophysiology of the brain extracellular matrix: a new target for remyelination. *Nature Reviews Neuroscience*, **2013**, 14, 722-9	13.5	308
323	Expanding antigen-specific regulatory networks to treat autoimmunity. *Nature*, **2016**, 530, 434-40	50.4	304
322	Human endogenous retrovirus glycoprotein-mediated induction of redox reactants causes oligodendrocyte death and demyelination. *Nature Neuroscience*, **2004**, 7, 1088-95	25.5	303
321	Interferon beta in the treatment of multiple sclerosis: mechanisms of action. *Neurology*, **1998**, 51, 682-9	6.5	301
320	Inefficient clearance of myelin debris by microglia impairs remyelinating processes. *Journal of Experimental Medicine*, **2015**, 212, 481-95	16.6	283
319	CXCR4 is a major chemokine receptor on glioma cells and mediates their survival. *Journal of Biological Chemistry*, **2002**, 277, 49481-7	5.4	283
318	Interferon beta-1b decreases the migration of T lymphocytes in vitro: effects on matrix metalloproteinase-9. *Annals of Neurology*, **1996**, 40, 853-63	9.4	266
317	A1 adenosine receptor upregulation and activation attenuates neuroinflammation and demyelination in a model of multiple sclerosis. *Journal of Neuroscience*, **2004**, 24, 1521-9	6.6	255

316	Analyses of all matrix metalloproteinase members in leukocytes emphasize monocytes as major inflammatory mediators in multiple sclerosis. *Brain*, **2003**, 126, 2738-49	11.2	254
315	Matrix metalloproteinase-9/gelatinase B is required for process outgrowth by oligodendrocytes. *Journal of Neuroscience*, **1999**, 19, 8464-75	6.6	244
314	Results of a phase II placebo-controlled randomized trial of minocycline in acute spinal cord injury. *Brain*, **2012**, 135, 1224-36	11.2	238
313	Interleukin-1beta promotes oligodendrocyte death through glutamate excitotoxicity. *Annals of Neurology*, **2003**, 53, 588-95	9.4	205
312	Differential mechanisms of action of interferon-beta and glatiramer aetate in MS. *Neurology*, **2002**, 59, 802-8	6.5	205
311	Matrix metalloproteinase-9 facilitates remyelination in part by processing the inhibitory NG2 proteoglycan. *Journal of Neuroscience*, **2003**, 23, 11127-35	6.6	201
310	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
309	Vulnerability of human neurons to T cell-mediated cytotoxicity. *Journal of Immunology*, **2003**, 171, 368-79	5.3	182
308	White matter plasticity and enhanced remyelination in the maternal CNS. *Journal of Neuroscience*, **2007**, 27, 1812-23	6.6	176
307	Chondroitin sulfate proteoglycans in demyelinated lesions impair remyelination. *Annals of Neurology*, **2012**, 72, 419-32	9.4	171
306	MMPs in the central nervous system: where the good guys go bad. *Seminars in Cell and Developmental Biology*, **2008**, 19, 42-51	7.5	170
305	Partial protection from the dopaminergic neurotoxin N-methyl-4-phenyl-1,2,3,6-tetrahydropyridine by four different antioxidants in the mouse. *Neuroscience Letters*, **1985**, 60, 109-14	3.3	169
304	An adverse role for matrix metalloproteinase 12 after spinal cord injury in mice. *Journal of Neuroscience*, **2003**, 23, 10107-15	6.6	166
303	Central nervous system-initiated inflammation and neurotrophism in trauma: IL-1 beta is required for the production of ciliary neurotrophic factor. *Journal of Immunology*, **2000**, 165, 2232-9	5.3	165
302	Normal human monocytes exposed to glioma cells acquire myeloid-derived suppressor cell-like properties. *Neuro-Oncology*, **2010**, 12, 351-65	1	163
301	Depletion of Ly6G/Gr-1 leukocytes after spinal cord injury in mice alters wound healing and worsens neurological outcome. *Journal of Neuroscience*, **2009**, 29, 753-64	6.6	159
300	Interleukin-1 is a key regulator of matrix metalloproteinase-9 expression in human neurons in culture and following mouse brain trauma in vivo. *Journal of Neuroscience Research*, **2000**, 61, 212-24	4.4	158
299	Determinants of human B cell migration across brain endothelial cells. *Journal of Immunology*, **2003**, 170, 4497-505	5.3	155

298	Attenuation of astroglial reactivity by interleukin-10. *Journal of Neuroscience*, **1996**, 16, 2945-55	6.6	153
297	Hallervorden-Spatz disease: cysteine accumulation and cysteine dioxygenase deficiency in the globus pallidus. *Annals of Neurology*, **1985**, 18, 482-9	9.4	149
296	Remyelination therapies: a new direction and challenge in multiple sclerosis. *Nature Reviews Drug Discovery*, **2017**, 16, 617-634	64.1	146
295	The anchoring protein RACK1 links protein kinase Cepsilon to integrin beta chains. Requirements for adhesion and motility. *Journal of Biological Chemistry*, **2002**, 277, 22073-84	5.4	145
294	Immunosenescence of microglia and macrophages: impact on the ageing central nervous system. *Brain*, **2016**, 139, 653-61	11.2	143
293	The benefits and detriments of macrophages/microglia in models of multiple sclerosis. *Clinical and Developmental Immunology*, **2013**, 2013, 948976		143
292	Taking advantage of the systemic immune system to cure brain diseases. *Neuron*, **2009**, 64, 55-60	13.9	141
291	Exploitation of astrocytes by glioma cells to facilitate invasiveness: a mechanism involving matrix metalloproteinase-2 and the urokinase-type plasminogen activator-plasmin cascade. *Journal of Neuroscience*, **2003**, 23, 4034-43	6.6	141
290	Astrogliosis in the neonatal and adult murine brain post-trauma: elevation of inflammatory cytokines and the lack of requirement for endogenous interferon-gamma. *Journal of Neuroscience*, **1997**, 17, 3664-74	6.6	139
289	Progressive multiple sclerosis: from pathophysiology to therapeutic strategies. *Nature Reviews Drug Discovery*, **2019**, 18, 905-922	64.1	137
288	Therapeutic activation of macrophages and microglia to suppress brain tumor-initiating cells. *Nature Neuroscience*, **2014**, 17, 46-55	25.5	136
287	Biology of adult human microglia in culture: comparisons with peripheral blood monocytes and astrocytes. *Journal of Neuropathology and Experimental Neurology*, **1992**, 51, 538-49	3.1	135
286	Iron in multiple sclerosis: roles in neurodegeneration and repair. *Nature Reviews Neurology*, **2014**, 10, 459-68	15	134
285	Inflammation in neurological disorders: a help or a hindrance?. *Neuroscientist*, **2010**, 16, 408-20	7.6	133
284	Cortical remyelination: a new target for repair therapies in multiple sclerosis. *Annals of Neurology*, **2012**, 72, 918-26	9.4	132
283	Dynamics of the inflammatory response after murine spinal cord injury revealed by flow cytometry. *Journal of Neuroscience Research*, **2008**, 86, 1944-58	4.4	129
282	Nigrostriatal dopaminergic neurons remain undamaged in rats given high doses of L-DOPA and carbidopa chronically. *Journal of Neurochemistry*, **1984**, 43, 990-3	6	127
281	Elevation of matrix metalloproteinases (MMPs) in multiple sclerosis and impact of immunomodulators. *Journal of the Neurological Sciences*, **2007**, 259, 79-84	3.2	125

280	Minocycline reduces gadolinium-enhancing magnetic resonance imaging lesions in multiple sclerosis. *Annals of Neurology*, **2004**, 55, 756	9.4	124
279	Elevated membrane-type matrix metalloproteinases in gliomas revealed by profiling proteases and inhibitors in human cancer cells. *Molecular Cancer Research*, **2003**, 1, 333-45	6.6	123
278	Depletion of glutathione in brainstem of mice caused by N-methyl-4-phenyl-1,2,3,6-tetrahydropyridine is prevented by antioxidant pretreatment. *Neuroscience Letters*, **1986**, 63, 56-60	3.3	122
277	An inhibitor of chondroitin sulfate proteoglycan synthesis promotes central nervous system remyelination. *Nature Communications*, **2016**, 7, 11312	17.4	121
276	Oligodendrocytes utilize a matrix metalloproteinase, MMP-9, to extend processes along an astrocyte extracellular matrix. *Glia*, **1998**, 22, 53-63	9	120
275	Glioblastoma-associated microglia and macrophages: targets for therapies to improve prognosis. *Brain*, **2017**, 140, 1548-1560	11.2	118
274	A dialog between glioma and microglia that promotes tumor invasiveness through the CCL2/CCR2/interleukin-6 axis. *Carcinogenesis*, **2012**, 33, 312-9	4.6	117
273	Tenascin-C stimulates glioma cell invasion through matrix metalloproteinase-12. *Cancer Research*, **2006**, 66, 11771-80	10.1	115
272	Glioma invasion in vitro: regulation by matrix metalloprotease-2 and protein kinase C. *Clinical and Experimental Metastasis*, **1996**, 14, 421-33	4.7	115
271	HIV-1 Tat neurotoxicity is prevented by matrix metalloproteinase inhibitors. *Annals of Neurology*, **2001**, 49, 230-41	9.4	114
270	Remyelination after spinal cord injury: is it a target for repair?. *Progress in Neurobiology*, **2014**, 117, 54-72	10.9	112
269	Trial of Minocycline in a Clinically Isolated Syndrome of Multiple Sclerosis. *New England Journal of Medicine*, **2017**, 376, 2122-2133	59.2	111
268	Myelin formation during development of the CNS is delayed in matrix metalloproteinase-9 and -12 null mice. *Journal of Neuroscience*, **2006**, 26, 2207-14	6.6	110
267	Minocycline attenuates T cell and microglia activity to impair cytokine production in T cell-microglia interaction. *Journal of Leukocyte Biology*, **2005**, 78, 135-43	6.5	110
266	An elevated matrix metalloproteinase (MMP) in an animal model of multiple sclerosis is protective by affecting Th1/Th2 polarization. *FASEB Journal*, **2005**, 19, 1668-70	0.9	110
265	Interleukin-1 beta is required for the early evolution of reactive astrogliosis following CNS lesion. *Journal of Neuropathology and Experimental Neurology*, **2001**, 60, 961-71	3.1	110
264	Involvement of p21(Waf1/Cip1) in protein kinase C alpha-induced cell cycle progression. *Molecular and Cellular Biology*, **2000**, 20, 4580-90	4.8	106
263	Amino acids, glutathione, and glutathione transferase activity in the brains of patients with Alzheimer's disease. *Annals of Neurology*, **1987**, 21, 331-6	9.4	106

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261	PTEN/MMAC1/TEP1 in signal transduction and tumorigenesis. *FEBS Journal*, **1999**, 263, 605-11		105
260	Overexpression of 2Q3Q-cyclic nucleotide 3Q-phosphodiesterase in transgenic mice alters oligodendrocyte development and produces aberrant myelination. *Molecular and Cellular Neurosciences*, **1996**, 7, 453-66	4.8	103
259	The clinical response to minocycline in multiple sclerosis is accompanied by beneficial immune changes: a pilot study. *Multiple Sclerosis Journal*, **2007**, 13, 517-26	5	102
258	Myeloid cells - targets of medication in multiple sclerosis. *Nature Reviews Neurology*, **2016**, 12, 539-51	15	101
257	Enhanced Protein Kinase C Activity Correlates with the Growth Rate of Malignant Gliomas in Vitro. *Neurosurgery*, **1991**, 29, 880-887	3.2	100
256	Protein kinase C activity correlates with the growth rate of malignant gliomas: Part II. Effects of glioma mitogens and modulators of protein kinase C. *Neurosurgery*, **1992**, 31, 717-24; discussion 724	3.2	98
255	Chemokine-enhanced migration of human peripheral blood mononuclear cells is antagonized by interferon beta-1b through an effect on matrix metalloproteinase-9. *Journal of Neuroimmunology*, **1997**, 80, 38-46	3.5	96
254	Predominance of Th2 polarization by vitamin D through a STAT6-dependent mechanism. *Journal of Neuroinflammation*, **2011**, 8, 56	10.1	95
253	Combination of thrombin and matrix metalloproteinase-9 exacerbates neurotoxicity in cell culture and intracerebral hemorrhage in mice. *Journal of Neuroscience*, **2006**, 26, 10281-91	6.6	93
252	Protein Kinase C Activity Correlates with the Growth Rate of Malignant Gliomas. *Neurosurgery*, **1992**, 31, 717-724	3.2	92
251	Promoting oligodendrogenesis and myelin repair using the multiple sclerosis medication glatiramer acetate. *Proceedings of the National Academy of Sciences of the United States of America*, **2009**, 106, 17992-7	11.5	91
250	Additive effect of the combination of glatiramer acetate and minocycline in a model of MS. *Journal of Neuroimmunology*, **2005**, 158, 213-21	3.5	91
249	Harmful and beneficial effects of inflammation after spinal cord injury: potential therapeutic implications. *Handbook of Clinical Neurology / Edited By P J Vinken and G W Bruyn*, **2012**, 109, 485-502	3	90
248	Single-cell RNA-seq reveals that glioblastoma recapitulates a normal neurodevelopmental hierarchy. *Nature Communications*, **2020**, 11, 3406	17.4	88
247	Human astrocytes are resistant to Fas ligand and tumor necrosis factor-related apoptosis-inducing ligand-induced apoptosis. *Journal of Neuroscience*, **2006**, 26, 3299-308	6.6	88
246	Lipocalin 2 is a novel immune mediator of experimental autoimmune encephalomyelitis pathogenesis and is modulated in multiple sclerosis. *Glia*, **2012**, 60, 1145-59	9	87
245	Multiexponential T2 and magnetization transfer MRI of demyelination and remyelination in murine spinal cord. *NeuroImage*, **2009**, 45, 1173-82	7.9	83

244	Toll-like receptor 2-mediated alternative activation of microglia is protective after spinal cord injury. *Brain*, **2014**, 137, 707-23	11.2	81
243	Differential activation of ERKs to focal adhesions by PKC epsilon is required for PMA-induced adhesion and migration of human glioma cells. *Oncogene*, **2001**, 20, 7398-407	9.2	80
242	Glatiramer acetate in combination with minocycline in patients with relapsing--remitting multiple sclerosis: results of a Canadian, multicenter, double-blind, placebo-controlled trial. *Multiple Sclerosis Journal*, **2009**, 15, 1183-94	5	79
241	Differential proliferative response of human and mouse astrocytes to gamma-interferon. *Glia*, **1992**, 6, 269-80	9	78
240	Analysis of the mitochondrial proteome in multiple sclerosis cortex. *Biochimica Et Biophysica Acta - Molecular Basis of Disease*, **2011**, 1812, 630-41	6.9	77
239	Differing roles for members of the phospholipase A2 superfamily in experimental autoimmune encephalomyelitis. *Brain*, **2009**, 132, 1221-35	11.2	77
238	EMMPRIN: a novel regulator of leukocyte transmigration into the CNS in multiple sclerosis and experimental autoimmune encephalomyelitis. *Journal of Neuroscience*, **2011**, 31, 669-77	6.6	77
237	Protein kinase C inhibitors suppress cell growth in established and low-passage glioma cell lines. A comparison between staurosporine and tamoxifen. *Neurosurgery*, **1993**, 33, 495-501; discussion 501	3.2	77
236	The chemokine stromal cell derived factor-1 (CXCL12) promotes glioma invasiveness through MT2-matrix metalloproteinase. *Carcinogenesis*, **2005**, 26, 2069-77	4.6	74
235	A new double labelling immunofluorescence technique for the determination of proliferation of human astrocytes in culture. *Journal of Neuroscience Methods*, **1987**, 21, 9-16	3	72
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233	Characterization of the early neuroinflammation after spinal cord injury in mice. *Journal of Neuropathology and Experimental Neurology*, **2007**, 66, 184-95	3.1	71
232	Effective combination of minocycline and interferon-beta in a model of multiple sclerosis. *Journal of Neuroimmunology*, **2005**, 165, 83-91	3.5	71
231	The intestinal barrier in multiple sclerosis: implications for pathophysiology and therapeutics. *Brain*, **2018**, 141, 1900-1916	11.2	71
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229	Astrocytes attenuate oligodendrocyte death in vitro through an alpha(6) integrin-laminin-dependent mechanism. *Glia*, **2001**, 36, 281-94	9	69
228	Matrix metalloproteinase (MMP)-12 expression has a negative impact on sensorimotor function following intracerebral haemorrhage in mice. *European Journal of Neuroscience*, **2005**, 21, 187-96	3.5	68
227	Inhibition of growth of established human glioma cell lines by modulators of the protein kinase-C system. *Journal of Neurosurgery*, **1990**, 73, 594-600	3.2	68

226	Mechanisms of lysophosphatidylcholine-induced demyelination: A primary lipid disrupting myelinopathy. *Glia*, **2018**, 66, 327-347	9	68
225	Increased invasive capacity of connexin43-overexpressing malignant glioma cells. *Journal of Neurosurgery*, **2003**, 99, 1039-46	3.2	66
224	Interferon-beta is a potent promoter of nerve growth factor production by astrocytes. *Journal of Neurochemistry*, **1997**, 69, 939-46	6	66
223	Multi-target-directed phenol-triazole ligands as therapeutic agents for Alzheimer's disease. *Chemical Science*, **2017**, 8, 5636-5643	9.4	66
222	T Cell Exhaustion in Glioblastoma: Intricacies of Immune Checkpoints. *Trends in Immunology*, **2017**, 38, 104-115	14.4	64
221	Laquinimod reduces neuroaxonal injury through inhibiting microglial activation. *Annals of Clinical and Translational Neurology*, **2014**, 1, 409-22	5.3	64
220	Kinetics of proinflammatory monocytes in a model of multiple sclerosis and its perturbation by laquinimod. *American Journal of Pathology*, **2012**, 181, 642-51	5.8	64
219	Migratory behavior of lymphocytes isolated from multiple sclerosis patients: effects of interferon beta-1b therapy. *Annals of Neurology*, **1999**, 46, 319-24	9.4	63
218	Overcoming neurite-inhibitory chondroitin sulfate proteoglycans in the astrocyte matrix. *Glia*, **2013** , 61, 972-84	9	62
217	Protein Kinase C Inhibitors Suppress Cell Growth in Established and Low-Passage Glioma Cell Lines. A Comparison between Staurosporine and Tamoxifen. *Neurosurgery*, **1993**, 33, 495-501	3.2	62
216	Astrocytes and catalase prevent the toxicity of catecholamines to oligodendrocytes. *Brain Research* , **1994**, 633, 83-90	3.7	62
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214	The benefits of neuroinflammation for the repair of the injured central nervous system. *Cellular and Molecular Immunology*, **2019**, 16, 540-546	15.4	60
213	Microglia response following acute demyelination is heterogeneous and limits infiltrating macrophage dispersion. *Science Advances*, **2020**, 6, eaay6324	14.3	60
212	Biochemically altered myelin triggers autoimmune demyelination. *Proceedings of the National Academy of Sciences of the United States of America*, **2018**, 115, 5528-5533	11.5	59
211	Astrocyte reactivity in neonatal mice: apparent dependence on the presence of reactive microglia/macrophages. *Glia*, **1996**, 18, 11-26	9	59
210	Stimulation of monocytes, macrophages, and microglia by amphotericin B and macrophage colony-stimulating factor promotes remyelination. *Journal of Neuroscience*, **2015**, 35, 1136-48	6.6	58
209	Reduced inflammation accompanies diminished myelin damage and repair in the NG2 null mouse spinal cord. *Journal of Neuroinflammation*, **2011**, 8, 158	10.1	58

208	Astrocytes promote process outgrowth by adult human oligodendrocytes in vitro through interaction between bFGF and astrocyte extracellular matrix. *Glia*, **1996**, 17, 237-53	9	58
207	Paraquat and two endogenous analogues of the neurotoxic substance N-methyl-4-phenyl-1,2,3,6-tetrahydropyridine do not damage dopaminergic nigrostriatal neurons in the mouse. *Neuroscience Letters*, **1986**, 69, 285-9	3.3	58
206	Pilot study of minocycline in relapsing-remitting multiple sclerosis. *Canadian Journal of Neurological Sciences*, **2008**, 35, 185-91	1	55
205	Growth factors for fetal and adult human astrocytes in culture. *Brain Research*, **1988**, 444, 59-66	3.7	55
204	Monoamine oxidase B, smoking, and Parkinson's disease. *Journal of the Neurological Sciences*, **1986**, 72, 265-72	3.2	55
203	Improving outcomes of neuroprotection by minocycline: guides from cell culture and intracerebral hemorrhage in mice. *American Journal of Pathology*, **2010**, 176, 1193-202	5.8	54
202	Contributions of multiple proteases to neurotoxicity in a mouse model of intracerebral haemorrhage. *Brain*, **2009**, 132, 26-36	11.2	54
201	Early life exposure to lipopolysaccharide suppresses experimental autoimmune encephalomyelitis by promoting tolerogenic dendritic cells and regulatory T cells. *Journal of Immunology*, **2009**, 183, 298-309	5.3	53
200	Targeting MMPs in acute and chronic neurological conditions. *Neurotherapeutics*, **2007**, 4, 580-9	6.4	53
199	The expression of matrix metalloproteinase-12 by oligodendrocytes regulates their maturation and morphological differentiation. *Journal of Neuroscience*, **2004**, 24, 7597-603	6.6	52
198	Origin of contralateral reactive gliosis in surgically injured rat cerebral cortex. *Brain Research*, **1991**, 547, 223-8	3.7	52
197	Environmental factors and their regulation of immunity in multiple sclerosis. *Journal of the Neurological Sciences*, **2013**, 324, 10-6	3.2	51
196	The many faces of EMMPRIN - roles in neuroinflammation. *Biochimica Et Biophysica Acta - Molecular Basis of Disease*, **2011**, 1812, 213-9	6.9	51
195	Transplantation of human sympathetic neurons and adrenal chromaffin cells into parkinsonian monkeys: no reversal of clinical symptoms. *Journal of the Neurological Sciences*, **1989**, 94, 51-67	3.2	50
194	Immune modulatory therapies for spinal cord injury--past, present and future. *Experimental Neurology*, **2014**, 258, 91-104	5.7	49
193	Inflammatory and structural biomarkers in acute traumatic spinal cord injury. *Clinical Chemistry and Laboratory Medicine*, **2011**, 49, 425-33	5.9	47
192	Effects of N-methyl-4-phenyl-1,2,3,6-tetrahydropyridine and its metabolite, N-methyl-4-phenylpyridinium ion, on dopaminergic nigrostriatal neurons in the mouse. *Neuroscience Letters*, **1985**, 58, 321-6	3.3	47
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189	Relative importance of proteinase-activated receptor-1 versus matrix metalloproteinases in intracerebral hemorrhage-mediated neurotoxicity in mice. *Stroke*, **2009**, 40, 2199-204	6.7	45
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186	When encephalitogenic T cells collaborate with microglia in multiple sclerosis. *Nature Reviews Neurology*, **2019**, 15, 704-717	15	44
185	Chondroitin sulfate proteoglycans as novel drivers of leucocyte infiltration in multiple sclerosis. *Brain*, **2018**, 141, 1094-1110	11.2	44
184	Proliferation of human and mouse astrocytes in vitro: signalling through the protein kinase C pathway. *Journal of the Neurological Sciences*, **1992**, 111, 92-103	3.2	43
183	Monocytes increase human cardiac myofibroblast-mediated extracellular matrix remodeling through TGF-1. *American Journal of Physiology - Heart and Circulatory Physiology*, **2016**, 310, H716-24	5.2	43
182	Age-dependent decrease of process formation by cultured oligodendrocytes is augmented by protein kinase C stimulation. *Journal of Neuroscience Research*, **1991**, 29, 87-99	4.4	42
181	Glioma-derived IL-33 orchestrates an inflammatory brain tumor microenvironment that accelerates glioma progression. *Nature Communications*, **2020**, 11, 4997	17.4	42
180	Association between the cerebral inflammatory and matrix metalloproteinase responses after severe traumatic brain injury in humans. *Journal of Neurotrauma*, **2013**, 30, 1727-36	5.4	41
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178	The chemokine GRO-alpha (CXCL1) confers increased tumorigenicity to glioma cells. *Carcinogenesis*, **2005**, 26, 2058-68	4.6	41
177	Protein kinase C isoform alpha overexpression in C6 glioma cells and its role in cell proliferation. *Journal of Neuro-Oncology*, **1995**, 24, 241-50	4.8	41
176	Matrix metalloproteinase-12 deficiency worsens relapsing-remitting experimental autoimmune encephalomyelitis in association with cytokine and chemokine dysregulation. *American Journal of Pathology*, **2009**, 174, 898-909	5.8	39
175	Neuroinflammation in intracerebral haemorrhage: immunotherapies with potential for translation. *Lancet Neurology, The*, **2020**, 19, 1023-1032	24.1	39
174	Differential microglia and macrophage profiles in human IDH-mutant and -wild type glioblastoma. *Oncotarget*, **2019**, 10, 3129-3143	3.3	38
173	The role of EMMPRIN in T cell biology and immunological diseases. *Journal of Leukocyte Biology*, **2015**, 98, 33-48	6.5	38

172	Enhanced glycolytic metabolism supports transmigration of brain-infiltrating macrophages in multiple sclerosis. *Journal of Clinical Investigation*, **2019**, 129, 3277-3292	15.9	38
171	Microglia and macrophage phenotypes in intracerebral haemorrhage injury: therapeutic opportunities. *Brain*, **2020**, 143, 1297-1314	11.2	38
170	Multimodal Enhancement of Remyelination by Exercise with a Pivotal Role for Oligodendroglial PGC1 *Cell Reports*, **2018**, 24, 3167-3179	10.6	38
169	A quantitative analysis of suspected environmental causes of MS. *Canadian Journal of Neurological Sciences*, **2011**, 38, 98-105	1	37
168	Chondroitin sulphate proteoglycans: extracellular matrix proteins that regulate immunity of the central nervous system. *Autoimmunity Reviews*, **2011**, 10, 766-72	13.6	37
167	Immunopathogenesis of multiple sclerosis. *International Review of Neurobiology*, **2007**, 79, 99-126	4.4	37
166	Oligodendrocytes and Myelin. *Neurologic Clinics*, **1995**, 13, 23-49	4.5	37
165	The interplay between the immune and central nervous systems in neuronal injury. *Neurology*, **2010** , 74 Suppl 1, S9-S16	6.5	36
164	Treatment trials in progressive MS--current challenges and future directions. *Nature Reviews Neurology*, **2013**, 9, 496-503	15	35
163	Interactions between microglia and T cells in multiple sclerosis pathobiology. *Journal of Interferon and Cytokine Research*, **2014**, 34, 615-22	3.5	35
162	Magnetic resonance imaging of blood-spinal cord barrier disruption in mice with experimental autoimmune encephalomyelitis. *Magnetic Resonance in Medicine*, **2007**, 58, 298-305	4.4	35
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160	Pro-inflammatory roles of chondroitin sulfate proteoglycans in disorders of the central nervous system. *Matrix Biology*, **2018**, 71-72, 432-442	11.4	34
159	Quetiapine fumarate for the treatment of multiple sclerosis: focus on myelin repair. *CNS Neuroscience and Therapeutics*, **2013**, 19, 737-44	6.8	34
158	Experimental demyelination and remyelination of murine spinal cord by focal injection of lysolecithin. *Journal of Visualized Experiments*, **2015**,	1.6	34
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