Voon Wee Yong

List of Publications by Year in Descending Order

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	Modes of Brain Cell Death Following Intracerebral Hemorrhage.. *Frontiers in Cellular Neuroscience*, **2022**, 16, 799753	6.1	4
332	Remyelination trial failures: Repercussions of ignoring neurorehabilitation and exercise in repair.. *Multiple Sclerosis and Related Disorders*, **2022**, 58, 103539	4	1
331	Matrix Metalloproteinase-9 as an Important Contributor to the Pathophysiology of Depression.. *Frontiers in Neurology*, **2022**, 13, 861843	4.1	0
330	Oxidative Stress Following Intracerebral Hemorrhage: From Molecular Mechanisms to Therapeutic Targets.. *Frontiers in Immunology*, **2022**, 13, 847246	8.4	2
329	Revisiting Minocycline in Intracerebral Hemorrhage: Mechanisms and Clinical Translation.. *Frontiers in Immunology*, **2022**, 13, 844163	8.4	0
328	Vildagliptin improves neurological function by inhibiting apoptosis and ferroptosis following intracerebral hemorrhage in mice.. *Neuroscience Letters*, **2022**, 776, 136579	3.3	2
327	Oxidized phospholipids as novel mediators of neurodegeneration.. *Trends in Neurosciences*, **2022**,	13.3	5
326	Exercise training in multiple sclerosis.. *Lancet Neurology, The*, **2022**, 21, 313	24.1	1
325	Versican promotes T helper 17 cytotoxic inflammation and impedes oligodendrocyte precursor cell remyelination.. *Nature Communications*, **2022**, 13, 2445	17.4	0
324	Thermoregulatory dynamics reveal sex-specific inflammatory responses to experimental autoimmune encephalomyelitis in mice: Implications for multiple sclerosis-induced fatigue in females. *Brain, Behavior, & Immunity - Health*, **2022**, 23, 100477	5.1	
323	Gap Junctions and Hemichannels Composed of Connexins and Pannexins Mediate the Secondary Brain Injury Following Intracerebral Hemorrhage.. *Biology*, **2021**, 11,	4.9	4
322	Mechanism-based criteria to improve therapeutic outcomes in progressive multiple sclerosis. *Nature Reviews Neurology*, **2021**,	15	3
321	PD-1 independent of PD-L1 ligation promotes glioblastoma growth through the NFB pathway. *Science Advances*, **2021**, 7, eabh2148	14.3	0
320	MedXercise: a promising strategy to promote remyelination. *Current Opinion in Pharmacology*, **2021** , 61, 120-126	5.1	
319	Quantitative analysis of spinal cord neuropathology in experimental autoimmune encephalomyelitis. *Journal of Neuroimmunology*, **2021**, 362, 577777	3.5	1
318	Neuroprotection of minocycline by inhibition of extracellular matrix metalloproteinase inducer expression following intracerebral hemorrhage in mice. *Neuroscience Letters*, **2021**, 764, 136297	3.3	5
317	The Canadian prospective cohort study to understand progression in multiple sclerosis (CanProCo): rationale, aims, and study design. *BMC Neurology*, **2021**, 21, 418	3.1	1

316	Metabolic needs of brain-infiltrating leukocytes and microglia in multiple sclerosis. *Journal of Neurochemistry*, **2021**, 158, 14-24	6	2
315	Exercise rapidly alters proteomes in mice following spinal cord demyelination. *Scientific Reports*, **2021**, 11, 7239	4.9	3
314	Harnessing the Benefits of Neuroinflammation: Generation of Macrophages/Microglia with Prominent Remyelinating Properties. *Journal of Neuroscience*, **2021**, 41, 3366-3385	6.6	3
313	The extracellular matrix as modifier of neuroinflammation and remyelination in multiple sclerosis. *Brain*, **2021**, 144, 1958-1973	11.2	19
312	Multimodal peripheral fluid biomarker analysis in clinically isolated syndrome and early multiple sclerosis. *Multiple Sclerosis and Related Disorders*, **2021**, 50, 102809	4	0
311	The combination of deferoxamine and minocycline strengthens neuroprotective effect on acute intracerebral hemorrhage in rats. *Neurological Research*, **2021**, 43, 854-864	2.7	6
310	Obesity in acute ischaemic stroke patients treated with intravenous thrombolysis therapy. *Neurological Research*, **2021**, 1-8	2.7	4
309	Neuregulin-1 beta 1 is implicated in pathogenesis of multiple sclerosis. *Brain*, **2021**, 144, 162-185	11.2	7
308	Small functionalized iron oxide nanoparticles for dual brain magnetic resonance imaging and fluorescence imaging. *RSC Advances*, **2021**, 11, 12867-12875	3.7	2
307	Circadian disruption in mice through chronic jet lag-like conditions modulates molecular profiles of cancer in nucleus accumbens and prefrontal cortex. *Carcinogenesis*, **2021**, 42, 864-873	4.6	2
306	Oxidized phosphatidylcholines found in multiple sclerosis lesions mediate neurodegeneration and are neutralized by microglia. *Nature Neuroscience*, **2021**, 24, 489-503	25.5	21
305	Repurposing Domperidone in Secondary Progressive Multiple Sclerosis: A Simon 2-Stage Phase 2 Futility Trial. *Neurology*, **2021**, 96, e2313-e2322	6.5	4
304	Fibrinogen in the glioblastoma microenvironment contributes to the invasiveness of brain tumor-initiating cells. *Brain Pathology*, **2021**, 31, e12947	6	4
303	An X-ray for myelin. *Trends in Neurosciences*, **2021**, 44, 600-601	13.3	
302	Central Nervous System Tissue Regeneration after Intracerebral Hemorrhage: The Next Frontier. *Cells*, **2021**, 10,	7.9	4
301	Susceptibility weighted imaging detects prominent veins that precede or coincide with maximal motor disability in a model of multiple sclerosis: A pilot study. *Multiple Sclerosis and Related Disorders*, **2021**, 54, 103124	4	
300	Hydroxychloroquine for Primary Progressive Multiple Sclerosis. *Annals of Neurology*, **2021**, 90, 940-948	9.4	5
299	Studying the microglia response to oxidized phosphatidylcholine in primary mouse neuron culture and mouse spinal cord. *STAR Protocols*, **2021**, 2, 100853	1.4	

298	Combination of Hydroxychloroquine and Indapamide Attenuates Neurodegeneration in Models Relevant to Multiple Sclerosis. *Neurotherapeutics*, **2021**, 18, 387-400	6.4	5
297	B cells in central nervous system disease: diversity, locations and pathophysiology.. *Nature Reviews Immunology*, **2021**,	36.5	3
296	Pericytes as mediators of infiltration of macrophages in multiple sclerosis.. *Journal of Neuroinflammation*, **2021**, 18, 301	10.1	1
295	Intracerebral hemorrhage in translational research. *Brain Hemorrhages*, **2020**, 1, 13-18	2.1	3
294	Control of brain tumor growth by reactivating myeloid cells with niacin. *Science Translational Medicine*, **2020**, 12,	17.5	17
293	Demeclocycline Reduces the Growth of Human Brain Tumor-Initiating Cells: Direct Activity and Through Monocytes. *Frontiers in Immunology*, **2020**, 11, 272	8.4	1
292	Single-cell RNA-seq reveals that glioblastoma recapitulates a normal neurodevelopmental hierarchy. *Nature Communications*, **2020**, 11, 3406	17.4	88
291	Microglia response following acute demyelination is heterogeneous and limits infiltrating macrophage dispersion. *Science Advances*, **2020**, 6, eaay6324	14.3	60
290	Niacin-mediated rejuvenation of macrophage/microglia enhances remyelination of the aging central nervous system. *Acta Neuropathologica*, **2020**, 139, 893-909	14.3	33
289	Exercise in multiple sclerosis and its models: Focus on the central nervous system outcomes. *Journal of Neuroscience Research*, **2020**, 98, 509-523	4.4	16
288	Microglia and macrophage phenotypes in intracerebral haemorrhage injury: therapeutic opportunities. *Brain*, **2020**, 143, 1297-1314	11.2	38
287	2-arachidonoylglycerol reduces chondroitin sulphate proteoglycan production by astrocytes and enhances oligodendrocyte differentiation under inhibitory conditions. *Glia*, **2020**, 68, 1255-1273	9	4
286	Glioma-derived IL-33 orchestrates an inflammatory brain tumor microenvironment that accelerates glioma progression. *Nature Communications*, **2020**, 11, 4997	17.4	42
285	Neuroinflammation in intracerebral haemorrhage: immunotherapies with potential for translation. *Lancet Neurology, The*, **2020**, 19, 1023-1032	24.1	39
284	The glycosyltransferase EXTL2 promotes proteoglycan deposition and injurious neuroinflammation following demyelination. *Journal of Neuroinflammation*, **2020**, 17, 220	10.1	8
283	Intracerebral haemorrhage: from clinical settings to animal models. *Stroke and Vascular Neurology*, **2020**, 5, 388-395	9.1	13
282	Exercise and the brain in multiple sclerosis. *Multiple Sclerosis Journal*, **2020**, 1352458520969099	5	6
281	Aging-Exacerbated Acute Axon and Myelin Injury Is Associated with Microglia-Derived Reactive Oxygen Species and Is Alleviated by the Generic Medication Indapamide. *Journal of Neuroscience*, **2020**, 40, 8587-8600	6.6	3

280	Beyond barrier functions: Roles of pericytes in homeostasis and regulation of neuroinflammation. *Journal of Neuroscience Research*, **2020**, 98, 2390-2405	4.4	10
279	Biomarkers of intestinal barrier function in multiple sclerosis are associated with disease activity. *Multiple Sclerosis Journal*, **2020**, 26, 1340-1350	5	27
278	When encephalitogenic T cells collaborate with microglia in multiple sclerosis. *Nature Reviews Neurology*, **2019**, 15, 704-717	15	44
277	Central nervous system targeted autoimmunity causes regional atrophy: a 9.4T MRI study of the EAE mouse model of Multiple Sclerosis. *Scientific Reports*, **2019**, 9, 8488	4.9	16
276	Targeting the Chondroitin Sulfate Proteoglycans: Evaluating Fluorinated Glucosamines and Xylosides in Screens Pertinent to Multiple Sclerosis. *ACS Central Science*, **2019**, 5, 1223-1234	16.8	13
275	Domperidone-induced elevation of serum prolactin levels and immune response in multiple sclerosis. *Journal of Neuroimmunology*, **2019**, 334, 576974	3.5	4
274	The benefits of neuroinflammation for the repair of the injured central nervous system. *Cellular and Molecular Immunology*, **2019**, 16, 540-546	15.4	60
273	Differential microglia and macrophage profiles in human IDH-mutant and -wild type glioblastoma. *Oncotarget*, **2019**, 10, 3129-3143	3.3	38
272	Progressive multiple sclerosis: from pathophysiology to therapeutic strategies. *Nature Reviews Drug Discovery*, **2019**, 18, 905-922	64.1	137
271	Enhanced glycolytic metabolism supports transmigration of brain-infiltrating macrophages in multiple sclerosis. *Journal of Clinical Investigation*, **2019**, 129, 3277-3292	15.9	38
270	Chondroitin sulfate proteoglycans as novel drivers of leucocyte infiltration in multiple sclerosis. *Brain*, **2018**, 141, 1094-1110	11.2	44
269	The extracellular matrix: Focus on oligodendrocyte biology and targeting CSPGs for remyelination therapies. *Glia*, **2018**, 66, 1809-1825	9	29
268	Deficient Surveillance and Phagocytic Activity of Myeloid Cells Within Demyelinated Lesions in Aging Mice Visualized by Live Multiphoton Imaging. *Journal of Neuroscience*, **2018**, 38, 1973-1988	6.6	23
267	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
266	Pro-inflammatory roles of chondroitin sulfate proteoglycans in disorders of the central nervous system. *Matrix Biology*, **2018**, 71-72, 432-442	11.4	34
265	MR Imaging of Tumor-Associated Macrophages: The Next Frontier in Cancer Imaging. *Magnetic Resonance Insights*, **2018**, 11, 1178623X18771974	5	16
264	Unexpected additive effects of minocycline and hydroxychloroquine in models of multiple sclerosis: Prospective combination treatment for progressive disease?. *Multiple Sclerosis Journal*, **2018**, 24, 1543-1556	5	21
263	Expanding the Potential Therapeutic Options for Remote Ischemic Preconditioning: Use in Multiple Sclerosis. *Frontiers in Neurology*, **2018**, 9, 475	4.1	3

262	Cerebrospinal Fluid Biomarkers in Human Spinal Cord Injury from a Phase II Minocycline Trial. *Journal of Neurotrauma*, **2018**, 35, 1918-1928	5.4	13
261	Mechanisms of lysophosphatidylcholine-induced demyelination: A primary lipid disrupting myelinopathy. *Glia*, **2018**, 66, 327-347	9	68
260	Efficacy of Minocycline in Acute Ischemic Stroke: A Systematic Review and Meta-Analysis of Rodent and Clinical Studies. *Frontiers in Neurology*, **2018**, 9, 1103	4.1	25
259	Microglia induces Gas1 expression in human brain tumor-initiating cells to reduce tumorigenecity. *Scientific Reports*, **2018**, 8, 15286	4.9	10
258	Multimodal Enhancement of Remyelination by Exercise with a Pivotal Role for Oligodendroglial PGC1 *Cell Reports*, **2018**, 24, 3167-3179	10.6	38
257	The intestinal barrier in multiple sclerosis: implications for pathophysiology and therapeutics. *Brain*, **2018**, 141, 1900-1916	11.2	71
256	Automated Slide Scanning and Segmentation in Fluorescently-labeled Tissues Using a Widefield High-content Analysis System. *Journal of Visualized Experiments*, **2018**,	1.6	1
255	Unique spectral signatures of the nucleic acid dye acridine orange can distinguish cell death by apoptosis and necroptosis. *Journal of Cell Biology*, **2017**, 216, 1163-1181	7.3	28
254	Activation of NOTCH Signaling by Tenascin-C Promotes Growth of Human Brain Tumor-Initiating Cells. *Cancer Research*, **2017**, 77, 3231-3243	10.1	44
253	Stop inflammation and you stop neurodegeneration in MS - YES. *Multiple Sclerosis Journal*, **2017**, 23, 1320-1321	3	1
252	Gestational bisphenol-A exposure lowers the threshold for autoimmunity in a model of multiple sclerosis. *Proceedings of the National Academy of Sciences of the United States of America*, **2017**, 114, 4999-5004	11.5	9
251	Trial of Minocycline in a Clinically Isolated Syndrome of Multiple Sclerosis. *New England Journal of Medicine*, **2017**, 376, 2122-2133	59.2	111
250	Glioblastoma-associated microglia and macrophages: targets for therapies to improve prognosis. *Brain*, **2017**, 140, 1548-1560	11.2	118
249	T Cell Exhaustion in Glioblastoma: Intricacies of Immune Checkpoints. *Trends in Immunology*, **2017**, 38, 104-115	14.4	64
248	Chronic mild stress exacerbates severity of experimental autoimmune encephalomyelitis in association with altered non-coding RNA and metabolic biomarkers. *Neuroscience*, **2017**, 359, 299-307	3.9	13
247	Remyelination therapies: a new direction and challenge in multiple sclerosis. *Nature Reviews Drug Discovery*, **2017**, 16, 617-634	64.1	146
246	Systematic screening of generic drugs for progressive multiple sclerosis identifies clomipramine as a promising therapeutic. *Nature Communications*, **2017**, 8, 1990	17.4	31
245	Multi-target-directed phenol-triazole ligands as therapeutic agents for Alzheimer disease. *Chemical Science*, **2017**, 8, 5636-5643	9.4	66

244	MRI monitoring of monocytes to detect immune stimulating treatment response in brain tumor. *Neuro-Oncology*, **2017**, 19, 364-371	1	11
243	Impact of Minocycline on Extracellular Matrix Metalloproteinase Inducer, a Factor Implicated in Multiple Sclerosis Immunopathogenesis. *Journal of Immunology*, **2016**, 197, 3850-3860	5.3	19
242	An inhibitor of chondroitin sulfate proteoglycan synthesis promotes central nervous system remyelination. *Nature Communications*, **2016**, 7, 11312	17.4	121
241	Multi-scale MRI spectrum detects differences in myelin integrity between MS lesion types. *Multiple Sclerosis Journal*, **2016**, 22, 1569-1577	5	13
240	Immunosenescence of microglia and macrophages: impact on the ageing central nervous system. *Brain*, **2016**, 139, 653-61	11.2	143
239	Expanding antigen-specific regulatory networks to treat autoimmunity. *Nature*, **2016**, 530, 434-40	50.4	304
238	Evaluating Soluble EMMPRIN as a Marker of Disease Activity in Multiple Sclerosis: Studies of Serum and Cerebrospinal Fluid. *PLoS ONE*, **2016**, 11, e0163802	3.7	4
237	Gray Matter Hypoxia in the Brain of the Experimental Autoimmune Encephalomyelitis Model of Multiple Sclerosis. *PLoS ONE*, **2016**, 11, e0167196	3.7	20
236	Regenerative Capacity of Macrophages for Remyelination. *Frontiers in Cell and Developmental Biology*, **2016**, 4, 47	5.7	33
235	Demyelination induces transport of ribosome-containing vesicles from glia to axons: evidence from animal models and MS patient brains. *Molecular Biology Reports*, **2016**, 43, 495-507	2.8	12
234	Activity-Dependent and Experience-Driven Myelination Provide New Directions for the Management of Multiple Sclerosis. *Trends in Neurosciences*, **2016**, 39, 356-365	13.3	28
233	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
232	Myeloid cells - targets of medication in multiple sclerosis. *Nature Reviews Neurology*, **2016**, 12, 539-51	15	101
231	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
230	Serum NSE level and disability progression in multiple sclerosis. *Journal of the Neurological Sciences* , **2015**, 350, 46-50	3.2	12
229	EMMPRIN, an upstream regulator of MMPs, in CNS biology. *Matrix Biology*, **2015**, 44-46, 138-46	11.4	31
228	Prolactin in combination with interferon-reduces disease severity in an animal model of multiple sclerosis. *Journal of Neuroinflammation*, **2015**, 12, 55	10.1	18
227	Inefficient clearance of myelin debris by microglia impairs remyelinating processes. *Journal of Experimental Medicine*, **2015**, 212, 481-95	16.6	283

226	Hydroxychloroquine reduces microglial activity and attenuates experimental autoimmune encephalomyelitis. *Journal of the Neurological Sciences*, **2015**, 358, 131-7	3.2	33
225	Patrolling monocytes play a critical role in CX3CR1-mediated neuroprotection during excitotoxicity. *Brain Structure and Function*, **2015**, 220, 1759-76	4	25
224	Serum neurofilament light chain is a biomarker of human spinal cord injury severity and outcome. *Journal of Neurology, Neurosurgery and Psychiatry*, **2015**, 86, 273-9	5.5	105
223	Experimental demyelination and remyelination of murine spinal cord by focal injection of lysolecithin. *Journal of Visualized Experiments*, **2015**,	1.6	34
222	Fluorescent Phosphorus Dendrimer as a Spectral Nanosensor for Macrophage Polarization and Fate Tracking in Spinal Cord Injury. *Macromolecular Bioscience*, **2015**, 15, 1523-34	5.5	27
221	Detecting deoxyhemoglobin in spinal cord vasculature of the experimental autoimmune encephalomyelitis mouse model of multiple sclerosis using susceptibility MRI and hyperoxygenation. *PLoS ONE*, **2015**, 10, e0127033	3.7	8
220	1,25-Dihydroxyvitamin D3 Protects against Immune-Mediated Killing of Neurons in Culture and in Experimental Autoimmune Encephalomyelitis. *PLoS ONE*, **2015**, 10, e0144084	3.7	12
219	The role of EMMPRIN in T cell biology and immunological diseases. *Journal of Leukocyte Biology*, **2015**, 98, 33-48	6.5	38
218	The promise of futility trials in neurological diseases. *Nature Reviews Neurology*, **2015**, 11, 300-5	15	11
217	ADAM-9 is a novel mediator of tenascin-C-stimulated invasiveness of brain tumor-initiating cells. *Neuro-Oncology*, **2015**, 17, 1095-105	1	45
216	Microglial modulation as a mechanism behind the promotion of central nervous system well-being by physical exercise. *Clinical and Experimental Neuroimmunology*, **2014**, 5, 188-201	0.4	7
215	Active inflammation increases the heterogeneity of MRI texture in mice with relapsing experimental allergic encephalomyelitis. *Magnetic Resonance Imaging*, **2014**, 32, 168-74	3.3	6
214	Remyelination after spinal cord injury: is it a target for repair?. *Progress in Neurobiology*, **2014**, 117, 54-72	10.9	112
213	Using magnetic resonance imaging in animal models to guide drug development in multiple sclerosis. *Multiple Sclerosis Journal*, **2014**, 20, 3-11	5	9
212	Therapeutic activation of macrophages and microglia to suppress brain tumor-initiating cells. *Nature Neuroscience*, **2014**, 17, 46-55	25.5	136
211	Laquinimod reduces neuroaxonal injury through inhibiting microglial activation. *Annals of Clinical and Translational Neurology*, **2014**, 1, 409-22	5.3	64
210	Changes in tissue directionality reflect differences in myelin content after demyelination in mice spinal cords. *Journal of Structural Biology*, **2014**, 188, 116-22	3.4	4
209	Cellular factors promoting resistance to effective treatment of glioma with oncolytic myxoma virus. *Cancer Research*, **2014**, 74, 7260-73	10.1	19

208	Toll-like receptor 2-mediated alternative activation of microglia is protective after spinal cord injury. *Brain*, **2014**, 137, 707-23	11.2	81
207	Immune modulatory therapies for spinal cord injury--past, present and future. *Experimental Neurology*, **2014**, 258, 91-104	5.7	49
206	Iron in multiple sclerosis: roles in neurodegeneration and repair. *Nature Reviews Neurology*, **2014**, 10, 459-68	15	134
205	Understanding disease processes in multiple sclerosis through magnetic resonance imaging studies in animal models. *NeuroImage: Clinical*, **2014**, 4, 743-56	5.3	32
204	The battle for the brain: Brain tumor-initiating cells vs. microglia/macrophages. *OncoImmunology*, **2014**, 3, e28047	7.2	5
203	Interactions between microglia and T cells in multiple sclerosis pathobiology. *Journal of Interferon and Cytokine Research*, **2014**, 34, 615-22	3.5	35
202	High-resolution fluorescence microscopy of myelin without exogenous probes. *NeuroImage*, **2014**, 87, 42-54	7.9	11
201	Reduction of microglial activity in a model of multiple sclerosis by dipyridamole. *Journal of Neuroinflammation*, **2013**, 10, 89	10.1	30
200	Treatment trials in progressive MS--current challenges and future directions. *Nature Reviews Neurology*, **2013**, 9, 496-503	15	35
199	Quetiapine fumarate for the treatment of multiple sclerosis: focus on myelin repair. *CNS Neuroscience and Therapeutics*, **2013**, 19, 737-44	6.8	34
198	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
197	Pathophysiology of the brain extracellular matrix: a new target for remyelination. *Nature Reviews Neuroscience*, **2013**, 14, 722-9	13.5	308
196	A prospective evaluation of the temporal matrix metalloproteinase response after severe traumatic brain injury in humans. *Journal of Neurotrauma*, **2013**, 30, 1717-26	5.4	28
195	Prolactin in multiple sclerosis. *Multiple Sclerosis Journal*, **2013**, 19, 15-23	5	29
194	Environmental factors and their regulation of immunity in multiple sclerosis. *Journal of the Neurological Sciences*, **2013**, 324, 10-6	3.2	51
193	Remyelination therapy for multiple sclerosis. *Neurotherapeutics*, **2013**, 10, 44-54	6.4	45
192	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
191	Overcoming neurite-inhibitory chondroitin sulfate proteoglycans in the astrocyte matrix. *Glia*, **2013**, 61, 972-84	9	62

190	Extracellular matrix metalloproteinase inducer shows active perivascular cuffs in multiple sclerosis. *Brain*, **2013**, 136, 1760-77	11.2	33
189	Therapeutic activation of macrophages and microglia to suppress brain tumor-initiating cells. *Annals of Neurosciences*, **2013**, 20, 154	1.1	9
188	The regulation of reactive changes around multiple sclerosis lesions by phosphorylated signal transducer and activator of transcription. *Journal of Neuropathology and Experimental Neurology*, **2013**, 72, 1135-44	3.1	11
187	Susceptibility-weighted imaging in the experimental autoimmune encephalomyelitis model of multiple sclerosis indicates elevated deoxyhemoglobin, iron deposition and demyelination. *Multiple Sclerosis Journal*, **2013**, 19, 721-31	5	33
186	Reply: To PMID 23034914. *Annals of Neurology*, **2013**, 73, 316-7	9.4	
185	The benefits and detriments of macrophages/microglia in models of multiple sclerosis. *Clinical and Developmental Immunology*, **2013**, 2013, 948976		143
184	Resistance to oncolytic myxoma virus therapy in nf1(-/-)/trp53(-/-) syngeneic mouse glioma models is independent of anti-viral type-I interferon. *PLoS ONE*, **2013**, 8, e65801	3.7	13
183	Screening for inhibitors of microglia to reduce neuroinflammation. *CNS and Neurological Disorders - Drug Targets*, **2013**, 12, 741-9	2.6	17
182	Macrophages and Microglia in Experimental Autoimmune Encephalomyelitis and Multiple Sclerosis **2013**, 177-195		1
181	Cortical remyelination: a new target for repair therapies in multiple sclerosis. *Annals of Neurology*, **2012**, 72, 918-26	9.4	132
180	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
179	Chondroitin sulfate proteoglycans in demyelinated lesions impair remyelination. *Annals of Neurology*, **2012**, 72, 419-32	9.4	171
178	A novel anti-EMMPRIN function-blocking antibody reduces T cell proliferation and neurotoxicity: relevance to multiple sclerosis. *Journal of Neuroinflammation*, **2012**, 9, 64	10.1	30
177	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
176	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
175	Results of a phase II placebo-controlled randomized trial of minocycline in acute spinal cord injury. *Brain*, **2012**, 135, 1224-36	11.2	238
174	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
173	Reply: When is the time right for a phase III clinical study in spinal cord injury (P = 0.05)?. *Brain*, **2012** , 135, e221-e221	11.2	

172	Immune cell infiltrates in atypical teratoid/rhabdoid tumors. *Canadian Journal of Neurological Sciences*, **2012**, 39, 605-12	1	13
171	The many faces of EMMPRIN - roles in neuroinflammation. *Biochimica Et Biophysica Acta - Molecular Basis of Disease*, **2011**, 1812, 213-9	6.9	51
170	Analysis of the mitochondrial proteome in multiple sclerosis cortex. *Biochimica Et Biophysica Acta - Molecular Basis of Disease*, **2011**, 1812, 630-41	6.9	77
169	The good the bad and the ugly Macrophages microglia with a focus on myelin repair. *Frontiers in Bioscience - Scholar*, **2011**, S3, 846-856	2.4	
168	The good, the bad and the ugly. Macrophages/microglia with a focus on myelin repair. *Frontiers in Bioscience - Scholar*, **2011**, 3, 846-56	2.4	26
167	A quantitative analysis of suspected environmental causes of MS. *Canadian Journal of Neurological Sciences*, **2011**, 38, 98-105	1	37
166	Chondroitin sulphate proteoglycans: extracellular matrix proteins that regulate immunity of the central nervous system. *Autoimmunity Reviews*, **2011**, 10, 766-72	13.6	37
165	Reduced inflammation accompanies diminished myelin damage and repair in the NG2 null mouse spinal cord. *Journal of Neuroinflammation*, **2011**, 8, 158	10.1	58
164	Predominance of Th2 polarization by vitamin D through a STAT6-dependent mechanism. *Journal of Neuroinflammation*, **2011**, 8, 56	10.1	95
163	Targeting progressive neuroaxonal injury: lessons from multiple sclerosis. *CNS Drugs*, **2011**, 25, 783-99	6.7	21
162	Inflammatory and structural biomarkers in acute traumatic spinal cord injury. *Clinical Chemistry and Laboratory Medicine*, **2011**, 49, 425-33	5.9	47
161	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
160	Normal human monocytes exposed to glioma cells acquire myeloid-derived suppressor cell-like properties. *Neuro-Oncology*, **2010**, 12, 351-65	1	163
159	Reduction of protein kinase C delta attenuates tenascin-C stimulated glioma invasion in three-dimensional matrix. *Carcinogenesis*, **2010**, 31, 311-7	4.6	16
158	Reduction of PrP(C) in human cerebrospinal fluid after spinal cord injury. *Prion*, **2010**, 4, 80-6	2.3	8
157	Neuroinflammation and demyelination in multiple sclerosis after allogeneic hematopoietic stem cell transplantation. *Archives of Neurology*, **2010**, 67, 716-22		30
156	The interplay between the immune and central nervous systems in neuronal injury. *Neurology*, **2010** , 74 Suppl 1, S9-S16	6.5	36
155	3T deep gray matter T2 hypointensity correlates with disability over time in stable relapsing-remitting multiple sclerosis: a 3-year pilot study. *Journal of the Neurological Sciences*, **2010**, 297, 76-81	3.2	21

154	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
153	Cleavage of osteopontin by matrix metalloproteinase-12 modulates experimental autoimmune encephalomyelitis disease in C57BL/6 mice. *American Journal of Pathology*, **2010**, 177, 1448-58	5.8	24
152	Inflammation in neurological disorders: a help or a hindrance?. *Neuroscientist*, **2010**, 16, 408-20	7.6	133
151	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
150	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
149	Continued disease activity in a patient with multiple sclerosis after allogeneic hematopoietic cell transplantation. *Archives of Neurology*, **2009**, 66, 116-20		22
148	Contributions of multiple proteases to neurotoxicity in a mouse model of intracerebral haemorrhage. *Brain*, **2009**, 132, 26-36	11.2	54
147	Differing roles for members of the phospholipase A2 superfamily in experimental autoimmune encephalomyelitis. *Brain*, **2009**, 132, 1221-35	11.2	77
146	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
145	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
144	Inflammatory cytokine modulation of matrix metalloproteinase expression and invasiveness of glioma cells in a 3-dimensional collagen matrix. *Journal of Neuro-Oncology*, **2009**, 91, 157-64	4.8	23
143	Taking advantage of the systemic immune system to cure brain diseases. *Neuron*, **2009**, 64, 55-60	13.9	141
142	Fibronectin attenuates process outgrowth in oligodendrocytes by mislocalizing MMP-9 activity. *Molecular and Cellular Neurosciences*, **2009**, 42, 234-42	4.8	34
141	Prospects of repair in multiple sclerosis. *Journal of the Neurological Sciences*, **2009**, 277 Suppl 1, S16-8	3.2	28
140	Multiexponential T2 and magnetization transfer MRI of demyelination and remyelination in murine spinal cord. *NeuroImage*, **2009**, 45, 1173-82	7.9	83
139	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
138	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
137	Association of alpha-synuclein immunoreactivity with inflammatory activity in multiple sclerosis lesions. *Journal of Neuropathology and Experimental Neurology*, **2009**, 68, 179-89	3.1	28

136	Expression and regulation of matrix metalloproteinase-12 in experimental autoimmune encephalomyelitis and by bone marrow derived macrophages in vitro. *Journal of Neuroimmunology*, **2008**, 199, 24-34	3.5	34
135	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
134	Minocycline for axonal regeneration after nerve injury: a double-edged sword. *Experimental Neurology*, **2008**, 213, 245-8	5.7	8
133	Matrix metalloproteinases in intracerebral hemorrhage. *Neurological Research*, **2008**, 30, 775-82	2.7	41
132	Pilot study of minocycline in relapsing-remitting multiple sclerosis. *Canadian Journal of Neurological Sciences*, **2008**, 35, 185-91	1	55
131	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
130	Elevation of matrix metalloproteinases (MMPs) in multiple sclerosis and impact of immunomodulators. *Journal of the Neurological Sciences*, **2007**, 259, 79-84	3.2	125
129	Immunopathogenesis of multiple sclerosis. *International Review of Neurobiology*, **2007**, 79, 99-126	4.4	37
128	Metalloproteinases are enriched in microglia compared with leukocytes and they regulate cytokine levels in activated microglia. *Glia*, **2007**, 55, 516-26	9	70
127	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
126	Targeting MMPs in acute and chronic neurological conditions. *Neurotherapeutics*, **2007**, 4, 580-9	6.4	53
125	White matter plasticity and enhanced remyelination in the maternal CNS. *Journal of Neuroscience*, **2007**, 27, 1812-23	6.6	176
124	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
123	Characterization of the early neuroinflammation after spinal cord injury in mice. *Journal of Neuropathology and Experimental Neurology*, **2007**, 66, 184-95	3.1	71
122	Neurodegeneration and neuroprotection in multiple sclerosis and other neurodegenerative diseases. *Journal of Neuroimmunology*, **2006**, 176, 198-215	3.5	71
121	IVIg attenuates T cell-mediated killing of human neurons. *Journal of Neuroimmunology*, **2006**, 177, 181-8	3.5	11
120	Impact of IVIg on the interaction between activated T cells and microglia. *Neurological Research*, **2006**, 28, 270-4	2.7	15
119	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

118	Tenascin-C stimulates glioma cell invasion through matrix metalloproteinase-12. *Cancer Research*, **2006**, 66, 11771-80	10.1	115
117	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
116	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
115	A novel MRI texture analysis of demyelination and inflammation in relapsing-remitting experimental allergic encephalomyelitis. *Lecture Notes in Computer Science*, **2006**, 9, 760-7	0.9	8
114	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
113	Metalloproteinases: mediators of pathology and regeneration in the CNS. *Nature Reviews Neuroscience*, **2005**, 6, 931-44	13.5	444
112	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
111	Effective combination of minocycline and interferon-beta in a model of multiple sclerosis. *Journal of Neuroimmunology*, **2005**, 165, 83-91	3.5	71
110	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
109	The chemokine stromal cell derived factor-1 (CXCL12) promotes glioma invasiveness through MT2-matrix metalloproteinase. *Carcinogenesis*, **2005**, 26, 2069-77	4.6	74
108	The chemokine GRO-alpha (CXCL1) confers increased tumorigenicity to glioma cells. *Carcinogenesis*, **2005**, 26, 2058-68	4.6	41
107	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
106	Prospects for neuroprotection in multiple sclerosis. *Frontiers in Bioscience - Landmark*, **2004**, 9, 864-72	2.8	27
105	The expression of matrix metalloproteinase-12 by oligodendrocytes regulates their maturation and morphological differentiation. *Journal of Neuroscience*, **2004**, 24, 7597-603	6.6	52
104	Human endogenous retrovirus glycoprotein-mediated induction of redox reactants causes oligodendrocyte death and demyelination. *Nature Neuroscience*, **2004**, 7, 1088-95	25.5	303
103	The promise of minocycline in neurology. *Lancet Neurology, The*, **2004**, 3, 744-51	24.1	390
102	Minocycline reduces gadolinium-enhancing magnetic resonance imaging lesions in multiple sclerosis. *Annals of Neurology*, **2004**, 55, 756	9.4	124
101	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

100	IMMUNOPATHOGENESIS OF MULTIPLE SCLEROSIS. *CONTINUUM Lifelong Learning in Neurology*, **2004**, 10, 11-27	3	3
99	Vulnerability of human neurons to T cell-mediated cytotoxicity. *Journal of Immunology*, **2003**, 171, 368-79	5.3	182
98	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
97	Increased invasive capacity of connexin43-overexpressing malignant glioma cells. *Journal of Neurosurgery*, **2003**, 99, 1039-46	3.2	66
96	An adverse role for matrix metalloproteinase 12 after spinal cord injury in mice. *Journal of Neuroscience*, **2003**, 23, 10107-15	6.6	166
95	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
94	Interleukin-1beta promotes oligodendrocyte death through glutamate excitotoxicity. *Annals of Neurology*, **2003**, 53, 588-95	9.4	205
93	Intracerebral hemorrhage induces macrophage activation and matrix metalloproteinases. *Annals of Neurology*, **2003**, 53, 731-42	9.4	309
92	Determinants of human B cell migration across brain endothelial cells. *Journal of Immunology*, **2003** , 170, 4497-505	5.3	155
91	Neuroprotection by minocycline facilitates significant recovery from spinal cord injury in mice. *Brain* , **2003**, 126, 1628-37	11.2	310
90	Matrix metalloproteinase-9 facilitates remyelination in part by processing the inhibitory NG2 proteoglycan. *Journal of Neuroscience*, **2003**, 23, 11127-35	6.6	201
89	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
88	Alterations in myelination in the central nervous system of dystonia musculorum mice. *Journal of Neuroscience Research*, **2002**, 69, 233-42	4.4	13
87	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
86	CXCR4 is a major chemokine receptor on glioma cells and mediates their survival. *Journal of Biological Chemistry*, **2002**, 277, 49481-7	5.4	283
85	Cytokine production in T lymphocyte-microglia interaction is attenuated by glatiramer acetate: a mechanism for therapeutic efficacy in multiple sclerosis. *Multiple Sclerosis Journal*, **2002**, 8, 299-306	5	31
84	Targeting leukocyte MMPs and transmigration: minocycline as a potential therapy for multiple sclerosis. *Brain*, **2002**, 125, 1297-308	11.2	373
83	Differential mechanisms of action of interferon-beta and glatiramer aetate in MS. *Neurology*, **2002**, 59, 802-8	6.5	205

82	Expression, Functions and Interactions of Chemokines in CNS Trauma **2002**, 151-158		
81	Astrocytes attenuate oligodendrocyte death in vitro through an alpha(6) integrin-laminin-dependent mechanism. *Glia*, **2001**, 36, 281-94	9	69
80	HIV-1 Tat neurotoxicity is prevented by matrix metalloproteinase inhibitors. *Annals of Neurology*, **2001**, 49, 230-41	9.4	114
79	Mitogenic signaling and the relationship to cell cycle regulation in astrocytomas. *Journal of Neuro-Oncology*, **2001**, 51, 245-64	4.8	33
78	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
77	Metalloproteinases in biology and pathology of the nervous system. *Nature Reviews Neuroscience*, **2001**, 2, 502-11	13.5	845
76	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
75	Culture of Glial Cells from Human Brain Biopsies **2001**, 129-138		2
74	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
73	Inflammatory cytokines in CNS trauma **2001**, 181-191		1
72	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
71	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
70	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
69	Interleukin-1 is a key regulator of matrix metalloproteinase-9 expression in human neurons in culture and following mouse brain trauma in vivo **2000**, 61, 212		1
68	Matrix metalloproteinase-9/gelatinase B is required for process outgrowth by oligodendrocytes. *Journal of Neuroscience*, **1999**, 19, 8464-75	6.6	244
67	The potential use of MMP inhibitors to treat CNS diseases. *Expert Opinion on Investigational Drugs*, **1999**, 8, 255-68	5.9	30
66	PTEN/MMAC1/TEP1 in signal transduction and tumorigenesis. *FEBS Journal*, **1999**, 263, 605-11		105
65	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

64	Response of astrocytes and oligodendrocytes to injury. *Mental Retardation and Developmental Disabilities Research Reviews*, **1998**, 4, 193-199		11
63	Oligodendrocytes utilize a matrix metalloproteinase, MMP-9, to extend processes along an astrocyte extracellular matrix. *Glia*, **1998**, 22, 53-63	9	120
62	Matrix metalloproteinases and diseases of the CNS. *Trends in Neurosciences*, **1998**, 21, 75-80	13.3	556
61	Interferon beta in the treatment of multiple sclerosis: mechanisms of action. *Neurology*, **1998**, 51, 682-9	6.5	301
60	Apoptosis is induced in glioma cells by antisense oligonucleotides to protein kinase C alpha and is enhanced by cycloheximide. *NeuroReport*, **1998**, 9, 1727-33	1.7	24
59	Adenovirus-mediated wild-type p53 gene transfer and overexpression induces apoptosis of human glioma cells independent of endogenous p53 status. *Journal of Neuropathology and Experimental Neurology*, **1997**, 56, 872-8	3.1	27
58	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
57	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
56	The promoting effects of bFGF and astrocyte extracellular matrix on process outgrowth by adult human oligodendrocytes are mediated by protein kinase C. *Brain Research*, **1997**, 757, 236-44	3.7	16
55	alpha2,3-sialyltransferase mRNA and alpha2,3-linked glycoprotein sialylation are increased in malignant gliomas. *Brain Research*, **1997**, 755, 175-9	3.7	25
54	Interferon-beta is a potent promoter of nerve growth factor production by astrocytes. *Journal of Neurochemistry*, **1997**, 69, 939-46	6	66
53	Culture of Glial Cells from Human Brain Biopsies **1997**, 157-172		14
52	Overexpression of 2Q3Qcyclic nucleotide 3Qphosphodiesterase in transgenic mice alters oligodendrocyte development and produces aberrant myelination. *Molecular and Cellular Neurosciences*, **1996**, 7, 453-66	4.8	103
51	Attenuation of astroglial reactivity by interleukin-10. *Journal of Neuroscience*, **1996**, 16, 2945-55	6.6	153
50	Signal transduction for proliferation of glioma cells in vitro occurs predominantly through a protein kinase C-mediated pathway. *Brain Research*, **1996**, 710, 143-9	3.7	34
49	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
48	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
47	Astrocyte reactivity in neonatal mice: apparent dependence on the presence of reactive microglia/macrophages. *Glia*, **1996**, 18, 11-26	9	59

46	Glioma invasion in vitro: regulation by matrix metalloprotease-2 and protein kinase C. *Clinical and Experimental Metastasis*, **1996**, 14, 421-33	4.7	115
45	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
44	Oligodendrocytes and Myelin. *Neurologic Clinics*, **1995**, 13, 23-49	4.5	37
43	Protein kinase C and growth regulation of malignant gliomas. *Canadian Journal of Neurological Sciences*, **1995**, 22, 264-71	1	26
42	[14] Cytokines as mediators of reactive astrogliosis. *Methods in Neurosciences*, **1995**, 220-235		5
41	The astrocyte mitogen, tumor necrosis factor-alpha, inhibits the proliferative effect of more potent adult human astrocyte mitogens, gamma-interferon and activated T-lymphocyte supernatants. *Brain Research*, **1994**, 653, 297-304	3.7	7
40	Astrocytes and catalase prevent the toxicity of catecholamines to oligodendrocytes. *Brain Research* , **1994**, 633, 83-90	3.7	62
39	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
38	Staurosporine differentially inhibits glioma versus non-glioma cell lines. *Journal of Neuro-Oncology*, **1993**, 16, 141-7	4.8	16
37	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
36	Malignant glioma-derived soluble factors regulate proliferation of normal adult human astrocytes. *Journal of Neuropathology and Experimental Neurology*, **1992**, 51, 506-13	3.1	9
35	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
34	Production of soluble autocrine inhibitory factors by human glioma cell lines. *Journal of the Neurological Sciences*, **1992**, 110, 178-85	3.2	26
33	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
32	Protein Kinase C Activity Correlates with the Growth Rate of Malignant Gliomas. *Neurosurgery*, **1992**, 31, 717-724	3.2	92
31	Major histocompatibility complex molecules on glial cells. *Seminars in Neuroscience*, **1992**, 4, 231-240		7
30	Differential proliferative response of human and mouse astrocytes to gamma-interferon. *Glia*, **1992** , 6, 269-80	9	78
29	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

28	Expression and modulation of HLA-DR on cultured human adult astrocytes. *Journal of Neuropathology and Experimental Neurology*, **1991**, 50, 16-28	3.1	32
27	Enhanced Protein Kinase C Activity Correlates with the Growth Rate of Malignant Gliomas in Vitro. *Neurosurgery*, **1991**, 29, 880-887	3.2	100
26	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
25	Origin of contralateral reactive gliosis in surgically injured rat cerebral cortex. *Brain Research*, **1991**, 547, 223-8	3.7	52
24	Transplantation of Human Sympathetic Neurons and Adrenal Chromaffin Cells into Parkinsonian Monkeys. *Methods in Neurosciences*, **1991**, 362-378		
23	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
22	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
21	Human Glial Cells and Growth Factors **1989**, 29-48		5
20	Growth factors for human glial cells in culture. *Glia*, **1988**, 1, 113-23	9	61
19	Growth factors for fetal and adult human astrocytes in culture. *Brain Research*, **1988**, 444, 59-66	3.7	55
18	Tissue culture evidence for a circulating neurotoxin in Huntington chorea. *Journal of the Neurological Sciences*, **1987**, 78, 139-50	3.2	2
17	Alpha-tocopherol and beta-carotene do not protect marmosets against the dopaminergic neurotoxicity of N-methyl-4-phenyl-1,2,3,6-tetrahydropyridine. *Journal of the Neurological Sciences*, **1987**, 81, 321-31	3.2	45
16	Inability to produce a model of dialysis encephalopathy in the rat by aluminum administration. *Neurochemical Research*, **1987**, 12, 369-75	4.6	5
15	Amino acids, glutathione, and glutathione transferase activity in the brains of patients with Alzheimer disease. *Annals of Neurology*, **1987**, 21, 331-6	9.4	106
14	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
13	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
12	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
11	Idiopathic Parkinson disease, progressive supranuclear palsy and glutathione metabolism in the substantia nigra of patients. *Neuroscience Letters*, **1986**, 67, 269-74	3.3	315

10	Manipulation of glutathione contents fails to alter dopaminergic nigrostriatal neurotoxicity of N-methyl-4-phenyl-1,2,3,6-tetrahydropyridine (MPTP) in the mouse. *Neuroscience Letters*, **1986**, 70, 261-5	3.3	30
9	Monoamine oxidase B, smoking, and Parkinson's disease. *Journal of the Neurological Sciences*, **1986**, 72, 265-72	3.2	55
8	Neurochemical abnormalities in brains of renal failure patients treated by repeated hemodialysis. *Journal of Neurochemistry*, **1985**, 45, 1043-8	6	33
7	Hallervorden-Spatz disease: cysteine accumulation and cysteine dioxygenase deficiency in the globus pallidus. *Annals of Neurology*, **1985**, 18, 482-9	9.4	149
6	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
5	1-Methyl-4-phenyl-1,2,3,6-tetrahydropyridine (MPTP) does not destroy nigrostriatal neurons in the scorbutic guinea pig. *Life Sciences*, **1985**, 36, 1233-8	6.8	35
4	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
3	Is a circulating neurotoxin involved in the pathogenesis of Huntington's chorea?. *Journal of the Neurological Sciences*, **1985**, 67, 351-8	3.2	3
2	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
1	Single-cell RNA-seq reveals that glioblastoma recapitulates normal brain development		1