Voon Wee Yong

List of Publications by Year
in descending order

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		2802	7518
343	28,422	94	151
papers	citations	h-index	g-index

348	348	348	27247
all docs	docs citations	times ranked	citing authors

#	Article	IF	Citations
1	Metalloproteinases in biology and pathology of the nervous system. Nature Reviews Neuroscience, 2001, 2, 502-511.	10.2	946
2	Matrix metalloproteinases and diseases of the CNS. Trends in Neurosciences, 1998, 21, 75-80.	8.6	614
3	Metalloproteinases: Mediators of Pathology and Regeneration in the CNS. Nature Reviews Neuroscience, 2005, 6, 931-944.	10.2	501
4	The promise of minocycline in neurology. Lancet Neurology, The, 2004, 3, 744-751.	10.2	465
5	Inefficient clearance of myelin debris by microglia impairs remyelinating processes. Journal of Experimental Medicine, 2015, 212, 481-495.	8.5	462
6	Targeting leukocyte MMPs and transmigration. Brain, 2002, 125, 1297-1308.	7.6	440
7	Pathophysiology of the brain extracellular matrix: a new target for remyelination. Nature Reviews Neuroscience, 2013, 14, 722-729.	10.2	429
8	Expanding antigen-specific regulatory networks to treat autoimmunity. Nature, 2016, 530, 434-440.	27.8	409
9	Review: Endocrine disrupting chemicals and immune responses: A focus on bisphenol-A and its potential mechanisms. Molecular Immunology, 2013, 53, 421-430.	2.2	374
10	Neuroprotection by minocycline facilitates significant recovery from spinal cord injury in mice. Brain, 2003, 126, 1628-1637.	7.6	350
11	Idiopathic Parkinson's disease, progressive supranuclear palsy and glutathione metabolism in the substantia nigra of patients. Neuroscience Letters, 1986, 67, 269-274.	2.1	345
12	Interferon beta in the treatment of multiple sclerosis. Neurology, 1998, 51, 682-689.	1.1	344
13	Human endogenous retrovirus glycoproteinâ€“mediated induction of redox reactants causes oligodendrocyte death and demyelination. Nature Neuroscience, 2004, 7, 1088-1095.	14.8	343
14	Interferon Î²-1b decreases the migration of T lymphocytes in vitro: Effects on matrix metalloproteinase-9. Annals of Neurology, 1996, 40, 853-863.	5.3	338
15	Intracerebral hemorrhage induces macrophage activation and matrix metalloproteinases. Annals of Neurology, 2003, 53, 731-742.	5.3	334
16	CXCR4 Is a Major Chemokine Receptor on Glioma Cells and Mediates Their Survival. Journal of Biological Chemistry, 2002, 277, 49481-49487.	3.4	327
17	Results of a phase II placebo-controlled randomized trial of minocycline in acute spinal cord injury. Brain, 2012, 135, 1224-1236.	7.6	305
18	Analyses of all matrix metalloproteinase members in leukocytes emphasize monocytes as major inflammatory mediators in multiple sclerosis. Brain, 2003, 126, 2738-2749.	7.6	300

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19	Single-cell RNA-seq reveals that glioblastoma recapitulates a normal neurodevelopmental hierarchy. Nature Communications, 2020, 11, 3406.	12.8	300
20	A1 Adenosine Receptor Upregulation and Activation Attenuates Neuroinflammation and Demyelination in a Model of Multiple Sclerosis. Journal of Neuroscience, 2004, 24, 1521-1529.	3.6	297
21	Progressive multiple sclerosis: from pathophysiology to therapeutic strategies. Nature Reviews Drug Discovery, 2019, 18, 905-922.	46.4	265
22	Matrix Metalloproteinase-9/Gelatinase B Is Required for Process Outgrowth by Oligodendrocytes. Journal of Neuroscience, 1999, 19, 8464-8475.	3.6	255
23	Differential mechanisms of action of interferon-Î² and glatiramer acetate in MS. Neurology, 2002, 59, 802-808.	1.1	234
24	Interleukin-1? promotes oligodendrocyte death through glutamate excitotoxicity. Annals of Neurology, 2003, 53, 588-595.	5.3	228
25	Matrix Metalloproteinase-9 Facilitates Remyelination in Part by Processing the Inhibitory NG2 Proteoglycan. Journal of Neuroscience, 2003, 23, 11127-11135.	3.6	228
26	P2X7-Like Receptor Activation in Astrocytes Increases Chemokine Monocyte Chemoattractant Protein-1 Expression via Mitogen-Activated Protein Kinase. Journal of Neuroscience, 2001, 21, 7135-7142.	3.6	212
27	White Matter Plasticity and Enhanced Remyelination in the Maternal CNS. Journal of Neuroscience, 2007, 27, 1812-1823.	3.6	211
28	Chondroitin sulfate proteoglycans in demyelinated lesions impair remyelination. Annals of Neurology, 2012, 72, 419-432.	5.3	205
29	Depletion of Ly6G/Gr-1 Leukocytes after Spinal Cord Injury in Mice Alters Wound Healing and Worsens Neurological Outcome. Journal of Neuroscience, 2009, 29, 753-764.	3.6	203
30	Remyelination therapies: a new direction and challenge in multiple sclerosis. Nature Reviews Drug Discovery, 2017, 16, 617-634.	46.4	201
31	Immunosenescence of microglia and macrophages: impact on the ageing central nervous system. Brain, 2016, 139, 653-661.	7.6	199
32	Vulnerability of Human Neurons to T Cell-Mediated Cytotoxicity. Journal of Immunology, 2003, 171, 368-379.	0.8	198
33	Normal human monocytes exposed to glioma cells acquire myeloid-derived suppressor cell-like properties. Neuro-Oncology, 2010, 12, 351-365.	1.2	197
34	MMPs in the central nervous system: Where the good guys go bad. Seminars in Cell and Developmental Biology, 2008, 19, 42-51.	5.0	191
35	Cortical remyelination: A new target for repair therapies in multiple sclerosis. Annals of Neurology, 2012, 72, 918-926.	5.3	191
36	Iron in multiple sclerosis: roles in neurodegeneration and repair. Nature Reviews Neurology, 2014, 10, 459-468.	10.1	187

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37	The Benefits and Detriments of Macrophages/Microglia in Models of Multiple Sclerosis. Clinical and Developmental Immunology, 2013, 2013, 1-13.	3.3	186
38	Central Nervous System-Initiated Inflammation and Neurotrophism in Trauma: IL-1Î² Is Required for the Production of Ciliary Neurotrophic Factor. Journal of Immunology, 2000, 165, 2232-2239.	0.8	182
39	An Adverse Role for Matrix Metalloproteinase 12 after Spinal Cord Injury in Mice. Journal of Neuroscience, 2003, 23, 10107-10115.	3.6	181
40	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, 109-114.	2.1	180
41	Attenuation of Astroglial Reactivity by Interleukin-10. Journal of Neuroscience, 1996, 16, 2945-2955.	3.6	176
42	Determinants of Human B Cell Migration Across Brain Endothelial Cells. Journal of Immunology, 2003, 170, 4497-4505.	0.8	175
43	Therapeutic activation of macrophages and microglia to suppress brain tumor-initiating cells. Nature Neuroscience, 2014, 17, 46-55.	14.8	175
44	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, 212-224.	2.9	173
45	Glioblastoma-associated microglia and macrophages: targets for therapies to improve prognosis. Brain, 2017, 140, 1548-1560.	7.6	171
46	Hallervorden-Spatz disease: Cysteine accumulation and cysteine dioxygenase deficiency in the globus pallidus. Annals of Neurology, 1985, 18, 482-489.	5.3	169
47	An inhibitor of chondroitin sulfate proteoglycan synthesis promotes central nervous system remyelination. Nature Communications, 2016, 7, 11312.	12.8	167
48	Exploitation of Astrocytes by Glioma Cells to Facilitate Invasiveness: A Mechanism Involving Matrix Metalloproteinase-2 and the Urokinase-Type Plasminogen Activatorâ€“Plasmin Cascade. Journal of Neuroscience, 2003, 23, 4034-4043.	3.6	163
49	Myeloid cells â€" targets of medication in multiple sclerosis. Nature Reviews Neurology, 2016, 12, 539-551.	10.1	163
50	A dialog between glioma and microglia that promotes tumor invasiveness through the CCL2/CCR2/interleukin-6 axis. Carcinogenesis, 2012, 33, 312-319.	2.8	160
51	The Anchoring Protein RACK1 Links Protein Kinase CÎµ to Integrin Î² Chains. Journal of Biological Chemistry, 2002, 277, 22073-22084.	3.4	157
52	Minocycline reduces gadolinium-enhancing magnetic resonance imaging lesions in multiple sclerosis. Annals of Neurology, 2004, 55, 756-756.	5.3	156
53	Remyelination after spinal cord injury: Is it a target for repair?. Progress in Neurobiology, 2014, 117, 54-72.	5.7	155
54	Inflammation in Neurological Disorders: A Help or a Hindrance?. Neuroscientist, 2010, 16, 408-420.	3.5	154

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55	Biology of Adult Human Microglia in Culture: Comparisons with Peripheral Blood Monocytes and Astrocytes. Journal of Neuropathology and Experimental Neurology, 1992, 51, 538-549.	1.7	153
56	Trial of Minocycline in a Clinically Isolated Syndrome of Multiple Sclerosis. New England Journal of Medicine, 2017, 376, 2122-2133.	27.0	153
57	Taking Advantage of the Systemic Immune System to Cure Brain Diseases. Neuron, 2009, 64, 55-60.	8.1	152
58	Dynamics of the inflammatory response after murine spinal cord injury revealed by flow cytometry. Journal of Neuroscience Research, 2008, 86, 1944-1958.	2.9	151
59	Astrogliosis in the Neonatal and Adult Murine Brain Post-Trauma: Elevation of Inflammatory Cytokines and the Lack of Requirement for Endogenous Interferon-Î³. Journal of Neuroscience, 1997, 17, 3664-3674.	3.6	145
60	Serum neurofilament light chain is a biomarker of human spinal cord injury severity and outcome. Journal of Neurology, Neurosurgery and Psychiatry, 2015, 86, 273-279.	1.9	144
61	Neuroinflammation in intracerebral haemorrhage: immunotherapies with potential for translation. Lancet Neurology, The, 2020, 19, 1023-1032.	10.2	144
62	Elevation of matrix metalloproteinases (MMPs) in multiple sclerosis and impact of immunomodulators. Journal of the Neurological Sciences, 2007, 259, 79-84.	0.6	142
63	Nigrostriatal Dopaminergic Neurons Remain Undamaged in Rats Given High Doses of <scp>l</scp>â€ÐOPA and Carbidopa Chronically. Journal of Neurochemistry, 1984, 43, 990-993.	3.9	134
64	Elevated membrane-type matrix metalloproteinases in gliomas revealed by profiling proteases and inhibitors in human cancer cells. Molecular Cancer Research, 2003, 1, 333-45.	3.4	131
65	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.	2.1	130
66	Microglia response following acute demyelination is heterogeneous and limits infiltrating macrophage dispersion. Science Advances, 2020, 6, eaay6324.	10.3	130
67	Minocycline attenuates T cell and microglia activity to impair cytokine production in T cell-microglia interaction. Journal of Leukocyte Biology, 2005, 78, 135-143.	3.3	128
68	Oligodendrocytes utilize a matrix metalloproteinase, MMP-9, to extend processes along an astrocyte extracellular matrix. Glia, 1998, 22, 53-63.	4.9	127
69	Tenascin-C Stimulates Glioma Cell Invasion through Matrix Metalloproteinase-12. Cancer Research, 2006, 66, 11771-11780.	0.9	127
70	HIV-1 Tat neurotoxicity is prevented by matrix metalloproteinase inhibitors. Annals of Neurology, 2001, 49, 230-241.	5.3	125
71	An elevated matrix metalloproteinase (MMP) in an animal model of multiple sclerosis is protective by affecting Th1/Th2 polarization. FASEB Journal, 2005, 19, 1668-1670.	0.5	125
72	Mechanisms of lysophosphatidylcholineâ€induced demyelination: A primary lipid disrupting myelinopathy. Glia, 2018, 66, 327-347.	4.9	124

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73	Glioma invasionin vitro: regulation by matrix metalloprotease-2 and protein kinase C. Clinical and Experimental Metastasis, 1996, 14, 421-433.	3.3	123
74	The intestinal barrier in multiple sclerosis: implications for pathophysiology and therapeutics. Brain, 2018, 141, 1900-1916.	7.6	121
75	The benefits of neuroinflammation for the repair of the injured central nervous system. Cellular and Molecular Immunology, 2019, 16, 540-546.	10.5	121
76	Interleukin-1Î² is Required for the Early Evolution of Reactive Astrogliosis Following CNS Lesion. Journal of Neuropathology and Experimental Neurology, 2001, 60, 961-971.	1.7	120
77	Myelin Formation during Development of the CNS Is Delayed in Matrix Metalloproteinase-9 and -12 Null Mice. Journal of Neuroscience, 2006, 26, 2207-2214.	3.6	118
78	Lipocalin 2 is a novel immune mediator of experimental autoimmune encephalomyelitis pathogenesis and is modulated in multiple sclerosis. Glia, 2012, 60, 1145-1159.	4.9	118
79	Overexpression of 2â€²,3â€²-Cyclic Nucleotide 3â€²-Phosphodiesterase in Transgenic Mice Alters Oligodendrocyte Development and Produces Aberrant Myelination. Molecular and Cellular Neurosciences, 1996, 7, 453-466.	2.2	116
80	Harmful and beneficial effects of inflammation after spinal cord injury. Handbook of Clinical Neurology / Edited By P J Vinken and G W Bruyn, 2012, 109, 485-502.	1.8	115
81	Amino acids, glutathione, and glutathione transferase activity in the brains of patients with Alzheimer's disease. Annals of Neurology, 1987, 21, 331-336.	5.3	114
82	Predominance of Th2 polarization by Vitamin D through a STAT6-dependent mechanism. Journal of Neuroinflammation, 2011, 8, 56.	7.2	114
83	PTEN/MMAC1/TEP1 in signal transduction and tumorigenesis. FEBS Journal, 1999, 263, 605-611.	0.2	113
84	The clinical response to minocycline in multiple sclerosis is accompanied by beneficial immune changes: a pilot study. Multiple Sclerosis Journal, 2007, 13, 517-526.	3.0	113
85	Protein Kinase C Activity Correlates with the Growth Rate of Malignant Gliomas. Neurosurgery, 1992, 31, 717-724.	1.1	110
86	Glioma-derived IL-33 orchestrates an inflammatory brain tumor microenvironment that accelerates glioma progression. Nature Communications, 2020, 11, 4997.	12.8	109
87	Involvement of p21 Waf1/Cip1 in Protein Kinase C Alpha-Induced Cell Cycle Progression. Molecular and Cellular Biology, 2000, 20, 4580-4590.	2.3	107
88	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, 17992-17997.	7.1	107
89	Combination of Thrombin and Matrix Metalloproteinase-9 Exacerbates Neurotoxicity in Cell Culture and Intracerebral Hemorrhage in Mice. Journal of Neuroscience, 2006, 26, 10281-10291.	3.6	106
90	T Cell Exhaustion in Glioblastoma: Intricacies of Immune Checkpoints. Trends in Immunology, 2017, 38, 104-115.	6.8	105

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91	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.	2.3	102
92	Additive effect of the combination of glatiramer acetate and minocycline in a model of MS. Journal of Neuroimmunology, 2005, 158, 213-221.	2.3	102
93	Enhanced Protein Kinase C Activity Correlates with the Growth Rate of Malignant Gliomas in Vitro. Neurosurgery, 1991, 29, 880-887.	1.1	101
94	Microglia and macrophage phenotypes in intracerebral haemorrhage injury: therapeutic opportunities. Brain, 2020, 143, 1297-1314.	7.6	101
95	When encephalitogenic T cells collaborate with microglia in multiple sclerosis. Nature Reviews Neurology, 2019, 15, 704-717.	10.1	100
96	Glatiramer acetate in combination with minocycline in patients with relapsingâ€"remitting multiple sclerosis: results of a Canadian, multicenter, double-blind, placebo-controlled trial. Multiple Sclerosis Journal, 2009, 15, 1183-1194.	3.0	99
97	Analysis of the mitochondrial proteome in multiple sclerosis cortex. Biochimica Et Biophysica Acta - Molecular Basis of Disease, 2011, 1812, 630-641.	3.8	98
98	Human Astrocytes Are Resistant to Fas Ligand and Tumor Necrosis Factor-Related Apoptosis-Inducing Ligand-Induced Apoptosis. Journal of Neuroscience, 2006, 26, 3299-3308.	3.6	96
99	Protein Kinase C Activity Correlates with the Growth Rate of Malignant Gliomas. Neurosurgery, 1992, 31, 717-724.	1.1	94
100	Toll-like receptor 2-mediated alternative activation of microglia is protective after spinal cord injury. Brain, 2014, 137, 707-723.	7.6	92
101	EMMPRIN: A Novel Regulator of Leukocyte Transmigration into the CNS in Multiple Sclerosis and Experimental Autoimmune Encephalomyelitis. Journal of Neuroscience, 2011, 31, 669-677.	3.6	89
102	Multiexponential T2 and magnetization transfer MRI of demyelination and remyelination in murine spinal cord. NeuroImage, 2009, 45, 1173-1182.	4.2	88
103	Metalloproteinases are enriched in microglia compared with leukocytes and they regulate cytokine levels in activated microglia. Glia, 2007, 55, 516-526.	4.9	87
104	Differing roles for members of the phospholipase A2 superfamily in experimental autoimmune encephalomyelitis. Brain, 2009, 132, 1221-1235.	7.6	87
105	Interferonâ€²2 Is a Potent Promoter of Nerve Growth Factor Production by Astrocytes. Journal of Neurochemistry, 1997, 69, 939-946.	3.9	86
106	The chemokine stromal cell derived factor-1 (CXCL12) promotes glioma invasiveness through MT2-matrix metalloproteinase. Carcinogenesis, 2005, 26, 2069-2077.	2.8	86
107	Brain tumor-initiating cells export tenascin-C associated with exosomes to suppress T cell activity. OncoImmunology, 2018, 7, e1478647.	4.6	86
108	Characterization of the Early Neuroinflammation After Spinal Cord Injury in Mice. Journal of Neuropathology and Experimental Neurology, 2007, 66, 184-195.	1.7	85

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109	Oxidized phosphatidylcholines found in multiple sclerosis lesions mediate neurodegeneration and are neutralized by microglia. Nature Neuroscience, 2021, 24, 489-503.	14.8	85
110	Differential activation of ERKs to focal adhesions by PKC Îµ is required for PMA-induced adhesion and migration of human glioma cells. Oncogene, 2001, 20, 7398-7407.	5.9	84
111	Differential proliferative response of human and mouse astrocytes to gamma-interferon. Glia, 1992, 6, 269-280.	4.9	83
112	Biochemically altered myelin triggers autoimmune demyelination. Proceedings of the National Academy of Sciences of the United States of America, 2018, 115, 5528-5533.	7.1	83
113	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.	1.1	83
114	Neurodegeneration and neuroprotection in multiple sclerosis and other neurodegenerative diseases. Journal of Neuroimmunology, 2006, 176, 198-215.	2.3	80
115	Niacin-mediated rejuvenation of macrophage/microglia enhances remyelination of the aging central nervous system. Acta Neuropathologica, 2020, 139, 893-909.	7.7	80
116	Multi-target-directed phenolâ€“triazole ligands as therapeutic agents for Alzheimer's disease. Chemical Science, 2017, 8, 5636-5643.	7.4	79
117	A new double labelling immunofluorescence technique for the determination of proliferation of human astrocytes in culture. Journal of Neuroscience Methods, 1987, 21, 9-16.	2.5	78
118	Effective combination of minocycline and interferon-Î² in a model of multiple sclerosis. Journal of Neuroimmunology, 2005, 165, 83-91.	2.3	78
119	Laquinimod reduces neuroaxonal injury through inhibiting microglial activation. Annals of Clinical and Translational Neurology, 2014, 1, 409-422.	3.7	77
120	Stimulation of Monocytes, Macrophages, and Microglia by Amphotericin B and Macrophage Colony-Stimulating Factor Promotes Remyelination. Journal of Neuroscience, 2015, 35, 1136-1148.	3.6	76
121	Overcoming neuriteâ€inhibitory chondroitin sulfate proteoglycans in the astrocyte matrix. Glia, 2013, 61, 972-984.	4.9	75
122	Enhanced glycolytic metabolism supports transmigration of brain-infiltrating macrophages in multiple sclerosis. Journal of Clinical Investigation, 2019, 129, 3277-3292.	8.2	75
123	Matrix metalloproteinase (MMP)â€12 expression has a negative impact on sensorimotor function following intracerebral haemorrhage in mice. European Journal of Neuroscience, 2005, 21, 187-196.	2.6	74
124	Inhibition of growth of established human glioma cell lines by modulators of the protein kinase-C system. Journal of Neurosurgery, 1990, 73, 594-600.	1.6	73
125	Astrocytes attenuate oligodendrocyte death in vitro through an ?6 integrin-laminin-dependent mechanism. Glia, 2001, 36, 281-294.	4.9	73
126	Kinetics of Proinflammatory Monocytes in a Model of Multiple Sclerosis and Its Perturbation by Laquinimod. American Journal of Pathology, 2012, 181, 642-651.	3.8	72

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127	Differential microglia and macrophage profiles in human IDH-mutant and -wild type glioblastoma. Oncotarget, 2019, 10, 3129-3143.	1.8	71
128	The extracellular matrix as modifier of neuroinflammation and remyelination in multiple sclerosis. Brain, 2021, 144, 1958-1973.	7.6	71
129	Increased invasive capacity of connexin43-overexpressing malignant glioma cells. Journal of Neurosurgery, 2003, 99, 1039-1046.	1.6	70
130	Growth factors for human glial cells in culture. Glia, 1988, 1, 113-123.	4.9	69
131	Multimodal Enhancement of Remyelination by Exercise with a Pivotal Role for Oligodendroglial PGC1Î±. Cell Reports, 2018, 24, 3167-3179.	6.4	68
132	Astrocytes and catalase prevent the toxicity of catecholamines to oligodendrocytes. Brain Research, 1994, 633, 83-90.	2.2	67
133	Chondroitin sulfate proteoglycans as novel drivers of leucocyte infiltration in multiple sclerosis. Brain, 2018, 141, 1094-1110.	7.6	67
134	Migratory behavior of lymphocytes isolated from multiple sclerosis patients: Effects of interferon ?-1b therapy. Annals of Neurology, 1999, 46, 319-324.	5.3	66
135	Pilot Study of Minocycline in Relapsing-Remitting Multiple Sclerosis. Canadian Journal of Neurological Sciences, 2008, 35, 185-191.	0.5	66
136	Astrocyte reactivity in neonatal mice: apparent dependence on the presence of reactive microglia/macrophages. Glia, 1996, 18, 11-26.	4.9	64
137	Biomarkers of intestinal barrier function in multiple sclerosis are associated with disease activity. Multiple Sclerosis Journal, 2020, 26, 1340-1350.	3.0	64
138	Improving Outcomes of Neuroprotection by Minocycline. American Journal of Pathology, 2010, 176, 1193-1202.	3.8	63
139	The many faces of EMMPRINâ€"Roles in neuroinflammation. Biochimica Et Biophysica Acta - Molecular Basis of Disease, 2011, 1812, 213-219.	3.8	63
140	Reduced inflammation accompanies diminished myelin damage and repair in the NG2 null mouse spinal cord. Journal of Neuroinflammation, 2011, 8, 158.	7.2	63
141	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.	1.1	62
142	Astrocytes promote process outgrowth by adult human oligodendrocytes in vitro through interaction between bFGF and astrocyte extracellular matrix. , 1996, 17, 237-253.		62
143	Activation of NOTCH Signaling by Tenascin-C Promotes Growth of Human Brain Tumor-Initiating Cells. Cancer Research, 2017, 77, 3231-3243.	0.9	61
144	Mechanism-based criteria to improve therapeutic outcomes in progressive multiple sclerosis. Nature Reviews Neurology, 2022, 18, 40-55.	10.1	61

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145	Monoamine oxidase B, smoking, and Parkinson's disease. Journal of the Neurological Sciences, 1986, 72, 265-272.	0.6	59
146	Growth factors for fetal and adult human astrocytes in culture. Brain Research, 1988, 444, 59-66.	2.2	59
147	Environmental factors and their regulation of immunity in multiple sclerosis. Journal of the Neurological Sciences, 2013, 324, 10-16.	0.6	59
148	Immune modulatory therapies for spinal cord injury â€“ Past, present and future. Experimental Neurology, 2014, 258, 91-104.	4.1	59
149	ADAM-9 is a novel mediator of tenascin-C-stimulated invasiveness of brain tumorâ€“initiating cells. Neuro-Oncology, 2015, 17, 1095-1105.	1.2	59
150	<scp>T</scp>he extracellular matrix: <scp>F</scp>ocus on oligodendrocyte biology and targeting <scp>CSPG</scp>s for remyelination therapies. Glia, 2018, 66, 1809-1825.	4.9	59
151	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, 285-289.	2.1	58
152	Contributions of multiple proteases to neurotoxicity in a mouse model of intracerebral haemorrhage. Brain, 2009, 132, 26-36.	7.6	58
153	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.	0.8	58
154	B cells in central nervous system disease: diversity, locations and pathophysiology. Nature Reviews Immunology, 2022, 22, 513-524.	22.7	57
155	Inflammatory and structural biomarkers in acute traumatic spinal cord injury. Clinical Chemistry and Laboratory Medicine, 2011, 49, 425-433.	2.3	56
156	The Expression of Matrix Metalloproteinase-12 by Oligodendrocytes Regulates Their Maturation and Morphological Differentiation. Journal of Neuroscience, 2004, 24, 7597-7603.	3.6	55
157	Targeting MMPs in Acute and Chronic Neurological Conditions. Neurotherapeutics, 2007, 4, 580-589.	4.4	55
158	The role of EMMPRIN in T cell biology and immunological diseases. Journal of Leukocyte Biology, 2015, 98, 33-48.	3.3	55
159	Focus on the gut-brain axis: Multiple sclerosis, the intestinal barrier and the microbiome. World Journal of Gastroenterology, 2018, 24, 4217-4223.	3.3	55
160	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.	5.2	54
161	Origin of contralateral reactive gliosis in surgically injured rat cerebral cortex. Brain Research, 1991, 547, 223-228.	2.2	53
162	Monocytes increase human cardiac myofibroblast-mediated extracellular matrix remodeling through TGF-Î²₁. American Journal of Physiology - Heart and Circulatory Physiology, 2016, 310, H716-H724.	3.2	53

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163	Relative Importance of Proteinase-Activated Receptor-1 Versus Matrix Metalloproteinases in Intracerebral Hemorrhage-Mediated Neurotoxicity in Mice. Stroke, 2009, 40, 2199-2204.	2.0	52
164	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.	0.6	51
165	Magnetic resonance imaging of bloodâ€“spinal cord barrier disruption in mice with experimental autoimmune encephalomyelitis. Magnetic Resonance in Medicine, 2007, 58, 298-305.	3.0	51
166	Remyelination Therapy for Multiple Sclerosis. Neurotherapeutics, 2013, 10, 44-54.	4.4	51
167	Î±-Tocopherol and Î²-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, 321-331.	0.6	50
168	Systematic screening of generic drugs for progressive multiple sclerosis identifies clomipramine as a promising therapeutic. Nature Communications, 2017, 8, 1990.	12.8	50
169	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, 321-326.	2.1	49
170	Association between the Cerebral Inflammatory and Matrix Metalloproteinase Responses after Severe Traumatic Brain Injury in Humans. Journal of Neurotrauma, 2013, 30, 1727-1736.	3.4	48
171	Proliferation of human and mouse astrocytes in vitro: signalling through the protein kinase C pathway. Journal of the Neurological Sciences, 1992, 111, 92-103.	0.6	47
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