# Voon Wee Yong

List of Publications by Year
in descending order

Source: https://exaly.com/author-pdf/3640895/publications.pdf

Version: 2024-02-01

| | | 2970 | 7736 |
|---|---|---|---|
| 343 | 28,422 | 93 | 150 |
| papers | citations | h-index | g-index |

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|---|---|---|---|
| 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. | 4.9 | 946 |
| 2 | Matrix metalloproteinases and diseases of the CNS. Trends in Neurosciences, 1998, 21, 75-80. | 4.2 | 614 |
| 3 | Metalloproteinases: Mediators of Pathology and Regeneration in the CNS. Nature Reviews Neuroscience, 2005, 6, 931-944. | 4.9 | 501 |
| 4 | The promise of minocycline in neurology. Lancet Neurology, The, 2004, 3, 744-751. | 4.9 | 465 |
| 5 | Inefficient clearance of myelin debris by microglia impairs remyelinating processes. Journal of Experimental Medicine, 2015, 212, 481-495. | 4.2 | 462 |
| 6 | Targeting leukocyte MMPs and transmigration. Brain, 2002, 125, 1297-1308. | 3.7 | 440 |
| 7 | Pathophysiology of the brain extracellular matrix: a new target for remyelination. Nature Reviews Neuroscience, 2013, 14, 722-729. | 4.9 | 429 |
| 8 | Expanding antigen-specific regulatory networks to treat autoimmunity. Nature, 2016, 530, 434-440. | 13.7 | 409 |
| 9 | Review: Endocrine disrupting chemicals and immune responses: A focus on bisphenol-A and its potential mechanisms. Molecular Immunology, 2013, 53, 421-430. | 1.0 | 374 |
| 10 | Neuroprotection by minocycline facilitates significant recovery from spinal cord injury in mice. Brain, 2003, 126, 1628-1637. | 3.7 | 350 |
| 11 | Idiopathic Parkinson's disease, progressive supranuclear palsy and glutathione metabolism in the substantia nigra of patients. Neuroscience Letters, 1986, 67, 269-274. | 1.0 | 345 |
| 12 | Interferon beta in the treatment of multiple sclerosis. Neurology, 1998, 51, 682-689. | 1.5 | 344 |
| 13 | Human endogenous retrovirus glycoproteinâ€“mediated induction of redox reactants causes oligodendrocyte death and demyelination. Nature Neuroscience, 2004, 7, 1088-1095. | 7.1 | 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. | 2.8 | 338 |
| 15 | Intracerebral hemorrhage induces macrophage activation and matrix metalloproteinases. Annals of Neurology, 2003, 53, 731-742. | 2.8 | 334 |
| 16 | CXCR4 Is a Major Chemokine Receptor on Glioma Cells and Mediates Their Survival. Journal of Biological Chemistry, 2002, 277, 49481-49487. | 1.6 | 327 |
| 17 | Results of a phase II placebo-controlled randomized trial of minocycline in acute spinal cord injury. Brain, 2012, 135, 1224-1236. | 3.7 | 305 |
| 18 | Analyses of all matrix metalloproteinase members in leukocytes emphasize monocytes as major inflammatory mediators in multiple sclerosis. Brain, 2003, 126, 2738-2749. | 3.7 | 300 |

| # | Article | IF | Citations |
|---|---|---|---|
| 19 | Single-cell RNA-seq reveals that glioblastoma recapitulates a normal neurodevelopmental hierarchy. Nature Communications, 2020, 11, 3406. | 5.8 | 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. | 1.7 | 297 |
| 21 | Progressive multiple sclerosis: from pathophysiology to therapeutic strategies. Nature Reviews Drug Discovery, 2019, 18, 905-922. | 21.5 | 265 |
| 22 | Matrix Metalloproteinase-9/Gelatinase B Is Required for Process Outgrowth by Oligodendrocytes. Journal of Neuroscience, 1999, 19, 8464-8475. | 1.7 | 255 |
| 23 | Differential mechanisms of action of interferon-Î² and glatiramer acetate in MS. Neurology, 2002, 59, 802-808. | 1.5 | 234 |
| 24 | Interleukin-1? promotes oligodendrocyte death through glutamate excitotoxicity. Annals of Neurology, 2003, 53, 588-595. | 2.8 | 228 |
| 25 | Matrix Metalloproteinase-9 Facilitates Remyelination in Part by Processing the Inhibitory NG2 Proteoglycan. Journal of Neuroscience, 2003, 23, 11127-11135. | 1.7 | 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. | 1.7 | 212 |
| 27 | White Matter Plasticity and Enhanced Remyelination in the Maternal CNS. Journal of Neuroscience, 2007, 27, 1812-1823. | 1.7 | 211 |
| 28 | Chondroitin sulfate proteoglycans in demyelinated lesions impair remyelination. Annals of Neurology, 2012, 72, 419-432. | 2.8 | 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. | 1.7 | 203 |
| 30 | Remyelination therapies: a new direction and challenge in multiple sclerosis. Nature Reviews Drug Discovery, 2017, 16, 617-634. | 21.5 | 201 |
| 31 | Immunosenescence of microglia and macrophages: impact on the ageing central nervous system. Brain, 2016, 139, 653-661. | 3.7 | 199 |
| 32 | Vulnerability of Human Neurons to T Cell-Mediated Cytotoxicity. Journal of Immunology, 2003, 171, 368-379. | 0.4 | 198 |
| 33 | Normal human monocytes exposed to glioma cells acquire myeloid-derived suppressor cell-like properties. Neuro-Oncology, 2010, 12, 351-365. | 0.6 | 197 |
| 34 | MMPs in the central nervous system: Where the good guys go bad. Seminars in Cell and Developmental Biology, 2008, 19, 42-51. | 2.3 | 191 |
| 35 | Cortical remyelination: A new target for repair therapies in multiple sclerosis. Annals of Neurology, 2012, 72, 918-926. | 2.8 | 191 |
| 36 | Iron in multiple sclerosis: roles in neurodegeneration and repair. Nature Reviews Neurology, 2014, 10, 459-468. | 4.9 | 187 |

| # | Article | IF | Citations |
|---|---|---|---|
| 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. | 0.4 | 182 |
| 39 | An Adverse Role for Matrix Metalloproteinase 12 after Spinal Cord Injury in Mice. Journal of Neuroscience, 2003, 23, 10107-10115. | 1.7 | 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. | 1.0 | 180 |
| 41 | Attenuation of Astroglial Reactivity by Interleukin-10. Journal of Neuroscience, 1996, 16, 2945-2955. | 1.7 | 176 |
| 42 | Determinants of Human B Cell Migration Across Brain Endothelial Cells. Journal of Immunology, 2003, 170, 4497-4505. | 0.4 | 175 |
| 43 | Therapeutic activation of macrophages and microglia to suppress brain tumor-initiating cells. Nature Neuroscience, 2014, 17, 46-55. | 7.1 | 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. | 1.3 | 173 |
| 45 | Glioblastoma-associated microglia and macrophages: targets for therapies to improve prognosis. Brain, 2017, 140, 1548-1560. | 3.7 | 171 |
| 46 | Hallervorden-Spatz disease: Cysteine accumulation and cysteine dioxygenase deficiency in the globus pallidus. Annals of Neurology, 1985, 18, 482-489. | 2.8 | 169 |
| 47 | An inhibitor of chondroitin sulfate proteoglycan synthesis promotes central nervous system remyelination. Nature Communications, 2016, 7, 11312. | 5.8 | 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. | 1.7 | 163 |
| 49 | Myeloid cells â€" targets of medication in multiple sclerosis. Nature Reviews Neurology, 2016, 12, 539-551. | 4.9 | 163 |
| 50 | A dialog between glioma and microglia that promotes tumor invasiveness through the CCL2/CCR2/interleukin-6 axis. Carcinogenesis, 2012, 33, 312-319. | 1.3 | 160 |
| 51 | The Anchoring Protein RACK1 Links Protein Kinase CÎµ to Integrin Î² Chains. Journal of Biological Chemistry, 2002, 277, 22073-22084. | 1.6 | 157 |
| 52 | Minocycline reduces gadolinium-enhancing magnetic resonance imaging lesions in multiple sclerosis. Annals of Neurology, 2004, 55, 756-756. | 2.8 | 156 |
| 53 | Remyelination after spinal cord injury: Is it a target for repair?. Progress in Neurobiology, 2014, 117, 54-72. | 2.8 | 155 |
| 54 | Inflammation in Neurological Disorders: A Help or a Hindrance?. Neuroscientist, 2010, 16, 408-420. | 2.6 | 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. | 0.9 | 153 |
| 56 | Trial of Minocycline in a Clinically Isolated Syndrome of Multiple Sclerosis. New England Journal of Medicine, 2017, 376, 2122-2133. | 13.9 | 153 |
| 57 | Taking Advantage of the Systemic Immune System to Cure Brain Diseases. Neuron, 2009, 64, 55-60. | 3.8 | 152 |
| 58 | Dynamics of the inflammatory response after murine spinal cord injury revealed by flow cytometry. Journal of Neuroscience Research, 2008, 86, 1944-1958. | 1.3 | 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. | 1.7 | 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. | 0.9 | 144 |
| 61 | Neuroinflammation in intracerebral haemorrhage: immunotherapies with potential for translation. Lancet Neurology, The, 2020, 19, 1023-1032. | 4.9 | 144 |
| 62 | Elevation of matrix metalloproteinases (MMPs) in multiple sclerosis and impact of immunomodulators. Journal of the Neurological Sciences, 2007, 259, 79-84. | 0.3 | 142 |
| 63 | Nigrostriatal Dopaminergic Neurons Remain Undamaged in Rats Given High Doses of l-DOPA and Carbidopa Chronically. Journal of Neurochemistry, 1984, 43, 990-993. | 2.1 | 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. | 1.5 | 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. | 1.0 | 130 |
| 66 | Microglia response following acute demyelination is heterogeneous and limits infiltrating macrophage dispersion. Science Advances, 2020, 6, eaay6324. | 4.7 | 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. | 1.5 | 128 |
| 68 | Oligodendrocytes utilize a matrix metalloproteinase, MMP-9, to extend processes along an astrocyte extracellular matrix. , 1998, 22, 53-63. | | 127 |
| 69 | Tenascin-C Stimulates Glioma Cell Invasion through Matrix Metalloproteinase-12. Cancer Research, 2006, 66, 11771-11780. | 0.4 | 127 |
| 70 | HIV-1 Tat neurotoxicity is prevented by matrix metalloproteinase inhibitors. Annals of Neurology, 2001, 49, 230-241. | 2.8 | 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. | 0.2 | 125 |
| 72 | Mechanisms of lysophosphatidylcholineâ€induced demyelination: A primary lipid disrupting myelinopathy. Glia, 2018, 66, 327-347. | 2.5 | 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. | 1.7 | 123 |
| 74 | The intestinal barrier in multiple sclerosis: implications for pathophysiology and therapeutics. Brain, 2018, 141, 1900-1916. | 3.7 | 121 |
| 75 | The benefits of neuroinflammation for the repair of the injured central nervous system. Cellular and Molecular Immunology, 2019, 16, 540-546. | 4.8 | 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. | 0.9 | 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. | 1.7 | 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. | 2.5 | 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. | 1.0 | 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. | 1.0 | 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. | 2.8 | 114 |
| 82 | Predominance of Th2 polarization by Vitamin D through a STAT6-dependent mechanism. Journal of Neuroinflammation, 2011, 8, 56. | 3.1 | 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. | 1.4 | 113 |
| 85 | Protein Kinase C Activity Correlates with the Growth Rate of Malignant Gliomas. Neurosurgery, 1992, 31, 717-724. | 0.6 | 110 |
| 86 | Glioma-derived IL-33 orchestrates an inflammatory brain tumor microenvironment that accelerates glioma progression. Nature Communications, 2020, 11, 4997. | 5.8 | 109 |
| 87 | Involvement of p21 Waf1/Cip1 in Protein Kinase C Alpha-Induced Cell Cycle Progression. Molecular and Cellular Biology, 2000, 20, 4580-4590. | 1.1 | 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. | 3.3 | 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. | 1.7 | 106 |
| 90 | T Cell Exhaustion in Glioblastoma: Intricacies of Immune Checkpoints. Trends in Immunology, 2017, 38, 104-115. | 2.9 | 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. | 1.1 | 102 |
| 92 | Additive effect of the combination of glatiramer acetate and minocycline in a model of MS. Journal of Neuroimmunology, 2005, 158, 213-221. | 1.1 | 102 |
| 93 | Enhanced Protein Kinase C Activity Correlates with the Growth Rate of Malignant Gliomas in Vitro. Neurosurgery, 1991, 29, 880-887. | 0.6 | 101 |
| 94 | Microglia and macrophage phenotypes in intracerebral haemorrhage injury: therapeutic opportunities. Brain, 2020, 143, 1297-1314. | 3.7 | 101 |
| 95 | When encephalitogenic T cells collaborate with microglia in multiple sclerosis. Nature Reviews Neurology, 2019, 15, 704-717. | 4.9 | 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. | 1.4 | 99 |
| 97 | Analysis of the mitochondrial proteome in multiple sclerosis cortex. Biochimica Et Biophysica Acta - Molecular Basis of Disease, 2011, 1812, 630-641. | 1.8 | 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. | 1.7 | 96 |
| 99 | Protein Kinase C Activity Correlates with the Growth Rate of Malignant Gliomas. Neurosurgery, 1992, 31, 717-724. | 0.6 | 94 |
| 100 | Toll-like receptor 2-mediated alternative activation of microglia is protective after spinal cord injury. Brain, 2014, 137, 707-723. | 3.7 | 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. | 1.7 | 89 |
| 102 | Multiexponential T2 and magnetization transfer MRI of demyelination and remyelination in murine spinal cord. NeuroImage, 2009, 45, 1173-1182. | 2.1 | 88 |
| 103 | Metalloproteinases are enriched in microglia compared with leukocytes and they regulate cytokine levels in activated microglia. Glia, 2007, 55, 516-526. | 2.5 | 87 |
| 104 | Differing roles for members of the phospholipase A2 superfamily in experimental autoimmune encephalomyelitis. Brain, 2009, 132, 1221-1235. | 3.7 | 87 |
| 105 | Interferonâ€²2 Is a Potent Promoter of Nerve Growth Factor Production by Astrocytes. Journal of Neurochemistry, 1997, 69, 939-946. | 2.1 | 86 |
| 106 | The chemokine stromal cell derived factor-1 (CXCL12) promotes glioma invasiveness through MT2-matrix metalloproteinase. Carcinogenesis, 2005, 26, 2069-2077. | 1.3 | 86 |
| 107 | Brain tumor-initiating cells export tenascin-C associated with exosomes to suppress T cell activity. OncoImmunology, 2018, 7, e1478647. | 2.1 | 86 |
| 108 | Characterization of the Early Neuroinflammation After Spinal Cord Injury in Mice. Journal of Neuropathology and Experimental Neurology, 2007, 66, 184-195. | 0.9 | 85 |

| # | Article | IF | Citations |
|---|---|---|---|
| 109 | Oxidized phosphatidylcholines found in multiple sclerosis lesions mediate neurodegeneration and are neutralized by microglia. Nature Neuroscience, 2021, 24, 489-503. | 7.1 | 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. | 2.6 | 84 |
| 111 | Differential proliferative response of human and mouse astrocytes to gamma-interferon. Glia, 1992, 6, 269-280. | 2.5 | 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. | 3.3 | 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. | 0.6 | 83 |
| 114 | Neurodegeneration and neuroprotection in multiple sclerosis and other neurodegenerative diseases. Journal of Neuroimmunology, 2006, 176, 198-215. | 1.1 | 80 |
| 115 | Niacin-mediated rejuvenation of macrophage/microglia enhances remyelination of the aging central nervous system. Acta Neuropathologica, 2020, 139, 893-909. | 3.9 | 80 |
| 116 | Multi-target-directed phenolâ€“triazole ligands as therapeutic agents for Alzheimer's disease. Chemical Science, 2017, 8, 5636-5643. | 3.7 | 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. | 1.3 | 78 |
| 118 | Effective combination of minocycline and interferon-Î² in a model of multiple sclerosis. Journal of Neuroimmunology, 2005, 165, 83-91. | 1.1 | 78 |
| 119 | Laquinimod reduces neuroaxonal injury through inhibiting microglial activation. Annals of Clinical and Translational Neurology, 2014, 1, 409-422. | 1.7 | 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. | 1.7 | 76 |
| 121 | Overcoming neuriteâ€inhibitory chondroitin sulfate proteoglycans in the astrocyte matrix. Glia, 2013, 61, 972-984. | 2.5 | 75 |
| 122 | Enhanced glycolytic metabolism supports transmigration of brain-infiltrating macrophages in multiple sclerosis. Journal of Clinical Investigation, 2019, 129, 3277-3292. | 3.9 | 75 |
| 123 | Matrix metalloproteinase (MMP)-12 expression has a negative impact on sensorimotor function following intracerebral haemorrhage in mice. European Journal of Neuroscience, 2005, 21, 187-196. | 1.2 | 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. | 0.9 | 73 |
| 125 | Astrocytes attenuate oligodendrocyte death in vitro through an ?6 integrin-laminin-dependent mechanism. Glia, 2001, 36, 281-294. | 2.5 | 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. | 1.9 | 72 |

| # | Article | IF | Citations |
|---|---|---|---|
| 127 | Differential microglia and macrophage profiles in human IDH-mutant and -wild type glioblastoma. Oncotarget, 2019, 10, 3129-3143. | 0.8 | 71 |
| 128 | The extracellular matrix as modifier of neuroinflammation and remyelination in multiple sclerosis. Brain, 2021, 144, 1958-1973. | 3.7 | 71 |
| 129 | Increased invasive capacity of connexin43-overexpressing malignant glioma cells. Journal of Neurosurgery, 2003, 99, 1039-1046. | 0.9 | 70 |
| 130 | Growth factors for human glial cells in culture. Glia, 1988, 1, 113-123. | 2.5 | 69 |
| 131 | Multimodal Enhancement of Remyelination by Exercise with a Pivotal Role for Oligodendroglial PGC1Î±. Cell Reports, 2018, 24, 3167-3179. | 2.9 | 68 |
| 132 | Astrocytes and catalase prevent the toxicity of catecholamines to oligodendrocytes. Brain Research, 1994, 633, 83-90. | 1.1 | 67 |
| 133 | Chondroitin sulfate proteoglycans as novel drivers of leucocyte infiltration in multiple sclerosis. Brain, 2018, 141, 1094-1110. | 3.7 | 67 |
| 134 | Migratory behavior of lymphocytes isolated from multiple sclerosis patients: Effects of interferon ?-1b therapy. Annals of Neurology, 1999, 46, 319-324. | 2.8 | 66 |
| 135 | Pilot Study of Minocycline in Relapsing-Remitting Multiple Sclerosis. Canadian Journal of Neurological Sciences, 2008, 35, 185-191. | 0.3 | 66 |
| 136 | Astrocyte reactivity in neonatal mice: apparent dependence on the presence of reactive microglia/macrophages. Glia, 1996, 18, 11-26. | 2.5 | 64 |
| 137 | Biomarkers of intestinal barrier function in multiple sclerosis are associated with disease activity. Multiple Sclerosis Journal, 2020, 26, 1340-1350. | 1.4 | 64 |
| 138 | Improving Outcomes of Neuroprotection by Minocycline. American Journal of Pathology, 2010, 176, 1193-1202. | 1.9 | 63 |
| 139 | The many faces of EMMPRINâ€"Roles in neuroinflammation. Biochimica Et Biophysica Acta - Molecular Basis of Disease, 2011, 1812, 213-219. | 1.8 | 63 |
| 140 | Reduced inflammation accompanies diminished myelin damage and repair in the NG2 null mouse spinal cord. Journal of Neuroinflammation, 2011, 8, 158. | 3.1 | 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. | 0.6 | 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. | 0.4 | 61 |
| 144 | Mechanism-based criteria to improve therapeutic outcomes in progressive multiple sclerosis. Nature Reviews Neurology, 2022, 18, 40-55. | 4.9 | 61 |

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|---|---|---|---|
| 145 | Monoamine oxidase B, smoking, and Parkinson's disease. Journal of the Neurological Sciences, 1986, 72, 265-272. | 0.3 | 59 |
| 146 | Growth factors for fetal and adult human astrocytes in culture. Brain Research, 1988, 444, 59-66. | 1.1 | 59 |
| 147 | Environmental factors and their regulation of immunity in multiple sclerosis. Journal of the Neurological Sciences, 2013, 324, 10-16. | 0.3 | 59 |
| 148 | Immune modulatory therapies for spinal cord injury â€“ Past, present and future. Experimental Neurology, 2014, 258, 91-104. | 2.0 | 59 |
| 149 | ADAM-9 is a novel mediator of tenascin-C-stimulated invasiveness of brain tumorâ€“initiating cells. Neuro-Oncology, 2015, 17, 1095-1105. | 0.6 | 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. | 2.5 | 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. | 1.0 | 58 |
| 152 | Contributions of multiple proteases to neurotoxicity in a mouse model of intracerebral haemorrhage. Brain, 2009, 132, 26-36. | 3.7 | 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. | 0.4 | 58 |
| 154 | B cells in central nervous system disease: diversity, locations and pathophysiology. Nature Reviews Immunology, 2022, 22, 513-524. | 10.6 | 57 |
| 155 | Inflammatory and structural biomarkers in acute traumatic spinal cord injury. Clinical Chemistry and Laboratory Medicine, 2011, 49, 425-433. | 1.4 | 56 |
| 156 | The Expression of Matrix Metalloproteinase-12 by Oligodendrocytes Regulates Their Maturation and Morphological Differentiation. Journal of Neuroscience, 2004, 24, 7597-7603. | 1.7 | 55 |
| 157 | Targeting MMPs in Acute and Chronic Neurological Conditions. Neurotherapeutics, 2007, 4, 580-589. | 2.1 | 55 |
| 158 | The role of EMMPRIN in T cell biology and immunological diseases. Journal of Leukocyte Biology, 2015, 98, 33-48. | 1.5 | 55 |
| 159 | Focus on the gut-brain axis: Multiple sclerosis, the intestinal barrier and the microbiome. World Journal of Gastroenterology, 2018, 24, 4217-4223. | 1.4 | 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. | 2.3 | 54 |
| 161 | Origin of contralateral reactive gliosis in surgically injured rat cerebral cortex. Brain Research, 1991, 547, 223-228. | 1.1 | 53 |
| 162 | Monocytes increase human cardiac myofibroblast-mediated extracellular matrix remodeling through TGF-Î²<sub>1</sub>. American Journal of Physiology - Heart and Circulatory Physiology, 2016, 310, H716-H724. | 1.5 | 53 |

| # | Article | IF | Citations |
|---|---|---|---|
| 163 | Relative Importance of Proteinase-Activated Receptor-1 Versus Matrix Metalloproteinases in Intracerebral Hemorrhage-Mediated Neurotoxicity in Mice. Stroke, 2009, 40, 2199-2204. | 1.0 | 52 |
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