Richard Reynolds

List of Publications by Year in descending order

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| # | Article | IF | CITATIONS |
|----|---|------|-----------|
| 1 | Increased expression of pathological markers in Parkinson's disease dementia post-mortem brains compared to dementia with Lewy bodies. BMC Neuroscience, 2022, 23, 3. | 1.9 | 7 |
| 2 | The association between neurodegeneration and local complement activation in the thalamus to progressive multiple sclerosis outcome. Brain Pathology, 2022, 32, e13054. | 4.1 | 13 |
| 3 | Diverse pathways to neuronal necroptosis in Alzheimer's disease. European Journal of Neuroscience, 2022, 56, 5428-5441. | 2.6 | 13 |
| 4 | Tissue donations for multiple sclerosis research: current state and suggestions for improvement. Brain Communications, 2022, 4, fcac094. | 3.3 | 4 |
| 5 | Lymphotoxin-alpha expression in the meninges causes lymphoid tissue formation and neurodegeneration. Brain, 2022, 145, 4287-4307. | 7.6 | 12 |
| 6 | CSF parvalbumin levels reflect interneuron loss linked with cortical pathology in multiple sclerosis. Annals of Clinical and Translational Neurology, 2021, 8, 534-547. | 3.7 | 19 |
| 7 | CSF proteome in multiple sclerosis subtypes related to brain lesion transcriptomes. Scientific Reports, 2021, 11, 4132. | 3.3 | 10 |
| 8 | Neuron-specific activation of necroptosis signaling in multiple sclerosis cortical grey matter. Acta Neuropathologica, 2021, 141, 585-604. | 7.7 | 56 |
| 9 | Meningeal inflammation in multiple sclerosis induces phenotypic changes in cortical microglia that differentially associate with neurodegeneration. Acta Neuropathologica, 2021, 141, 881-899. | 7.7 | 47 |
| 10 | The role of gut dysbiosis in Parkinson's disease: mechanistic insights and therapeutic options. Brain, 2021, 144, 2571-2593. | 7.6 | 119 |
| 11 | Surface-in pathology in multiple sclerosis: a new view on pathogenesis?. Brain, 2021, 144, 1646-1654. | 7.6 | 31 |
| 12 | Changes in Cerebrospinal Fluid Balance of TNF and TNF Receptors in NaÃ⁻ve Multiple Sclerosis Patients: Early Involvement in Compartmentalised Intrathecal Inflammation. Cells, 2021, 10, 1712. | 4.1 | 13 |
| 13 | Investigation of the correlation between mildly deleterious mtDNA Variations and the clinical progression of multiple sclerosis. Multiple Sclerosis and Related Disorders, 2021, 53, 103055. | 2.0 | 3 |
| 14 | Unbiased examination of genome-wide human endogenous retrovirus transcripts in MS brain lesions. Multiple Sclerosis Journal, 2021, 27, 1829-1837. | 3.0 | 6 |
| 15 | TNF-mediated neuroinflammation is linked to neuronal necroptosis in Alzheimer's disease hippocampus. Acta Neuropathologica Communications, 2021, 9, 159. | 5.2 | 95 |
| 16 | HLA-DR15 Molecules Jointly Shape an Autoreactive T Cell Repertoire in Multiple Sclerosis. Cell, 2020, 183, 1264-1281.e20. | 28.9 | 133 |
| 17 | Intrathecal Inflammation in Progressive Multiple Sclerosis. International Journal of Molecular Sciences, 2020, 21, 8217. | 4.1 | 36 |
| 18 | The <scp>CSF</scp> Profile Linked to Cortical Damage Predicts Multiple Sclerosis Activity. Annals of Neurology, 2020, 88, 562-573. | 5.3 | 46 |

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|----|--|------|-----------|
| 19 | Interleukin-9 regulates macrophage activation in the progressive multiple sclerosis brain. Journal of Neuroinflammation, 2020, 17, 149. | 7.2 | 41 |
| 20 | Persistent elevation of intrathecal pro-inflammatory cytokines leads to multiple sclerosis-like cortical demyelination and neurodegeneration. Acta Neuropathologica Communications, 2020, 8, 66. | 5.2 | 41 |
| 21 | Absence of miRNA-146a Differentially Alters Microglia Function and Proteome. Frontiers in Immunology, 2020, 11, 1110. | 4.8 | 20 |
| 22 | B cell rich meningeal inflammation associates with increased spinal cord pathology in multiple sclerosis. Brain Pathology, 2020, 30, 779-793. | 4.1 | 76 |
| 23 | Neuroinflammation in the normal-appearing white matter (NAWM) of the multiple sclerosis brain causes abnormalities at the nodes of Ranvier. PLoS Biology, 2020, 18, e3001008. | 5.6 | 28 |
| 24 | B cell rich meningeal inflammation associates with increased spinal cord pathology in multiple sclerosis. Brain Pathology, 2020, 30, 779-793. | 4.1 | 8 |
| 25 | Substantial subpial cortical demyelination in progressive multiple sclerosis: have we underestimated the extent of cortical pathology?. Neuroimmunology and Neuroinflammation, 2020, , . | 1.4 | 3 |
| 26 | Neuronal vulnerability and multilineage diversity in multiple sclerosis. Nature, 2019, 573, 75-82. | 27.8 | 385 |
| 27 | Iron homeostasis, complement, and coagulation cascade as CSF signature of cortical lesions in early multiple sclerosis. Annals of Clinical and Translational Neurology, 2019, 6, 2150-2163. | 3.7 | 51 |
| 28 | Molecular signature of different lesion types in the brain white matter of patients with progressive multiple sclerosis. Acta Neuropathologica Communications, 2019, 7, 205. | 5.2 | 61 |
| 29 | Meningeal inflammation changes the balance of TNF signalling in cortical grey matter in multiple sclerosis. Journal of Neuroinflammation, 2019, 16, 259. | 7.2 | 79 |
| 30 | Analysis of RNA Expression Profiles Identifies Dysregulated Vesicle Trafficking Pathways in Creutzfeldt-Jakob Disease. Molecular Neurobiology, 2019, 56, 5009-5024. | 4.0 | 16 |
| 31 | Inflammatory intrathecal profiles and cortical damage in multiple sclerosis. Annals of Neurology, 2018, 83, 739-755. | 5.3 | 219 |
| 32 | Temporal-Spatial Profiling of Pedunculopontine Galanin-Cholinergic Neurons in the Lactacystin Rat Model of Parkinson's Disease. Neurotoxicity Research, 2018, 34, 16-31. | 2.7 | 6 |
| 33 | Meningeal inflammation and cortical demyelination in acute multiple sclerosis. Annals of Neurology, 2018, 84, 829-842. | 5.3 | 96 |
| 34 | Memory B Cells Activate Brain-Homing, Autoreactive CD4+ T Cells in Multiple Sclerosis. Cell, 2018, 175, 85-100.e23. | 28.9 | 350 |
| 35 | Increased cortical lesion load and intrathecal inflammation is associated with oligoclonal bands in multiple sclerosis patients: a combined CSF and MRI study. Journal of Neuroinflammation, 2017, 14, 40. | 7.2 | 82 |
| 36 | Heterogeneity of Cortical Lesion Susceptibility Mapping in Multiple Sclerosis. American Journal of Neuroradiology, 2017, 38, 1087-1095. | 2.4 | 16 |

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|----|--|------|-----------|
| 37 | Programmed death 1 is highly expressed on <scp>CD</scp> 8 ⁺ <scp>CD</scp> 57 ⁺ T cells in patients with stable multiple sclerosis and inhibits their cytotoxic response to Epstein–Barr virus. Immunology, 2017, 152, 660-676. | 4.4 | 37 |
| 38 | Patient-reported outcomes and survival in multiple sclerosis: A 10-year retrospective cohort study using the Multiple Sclerosis Impact Scale–29. PLoS Medicine, 2017, 14, e1002346. | 8.4 | 19 |
| 39 | A practical review of the neuropathology and neuroimaging of multiple sclerosis. Practical Neurology, 2016, 16, 279-287. | 1.1 | 30 |
| 40 | Complement is activated in progressive multiple sclerosis cortical grey matter lesions. Journal of Neuroinflammation, 2016, 13, 161. | 7.2 | 101 |
| 41 | Exploring potential mechanisms of action of natalizumab in secondary progressive multiple sclerosis. Therapeutic Advances in Neurological Disorders, 2016, 9, 31-43. | 3.5 | 29 |
| 42 | Temporal lobe cortical pathology and inhibitory GABA interneuron cell loss are associated with seizures in multiple sclerosis. Multiple Sclerosis Journal, 2016, 22, 25-35. | 3.0 | 32 |
| 43 | Exploring the origins of grey matter damage in multiple sclerosis. Nature Reviews Neuroscience, 2015, 16, 147-158. | 10.2 | 317 |
| 44 | Neurofascin 140 Is an Embryonic Neuronal Neurofascin Isoform That Promotes the Assembly of the Node of Ranvier. Journal of Neuroscience, 2015, 35, 2246-2254. | 3.6 | 37 |
| 45 | Neuronal activity regulates remyelination via glutamate signalling to oligodendrocyte progenitors. Nature Communications, 2015, 6, 8518. | 12.8 | 223 |
| 46 | Extensive grey matter pathology in the cerebellum in multiple sclerosis is linked to inflammation in the subarachnoid space. Neuropathology and Applied Neurobiology, 2015, 41, 798-813. | 3.2 | 82 |
| 47 | Increased PK11195-PET binding in normal-appearing white matter in clinically isolated syndrome. Brain, 2015, 138, 110-119. | 7.6 | 76 |
| 48 | Common mechanisms in neurodegeneration and neuroinflammation: a BrainNet Europe gene expression microarray study. Journal of Neural Transmission, 2015, 122, 1055-1068. | 2.8 | 126 |
| 49 | Regional Distribution and Evolution of Gray Matter Damage in Different Populations of Multiple Sclerosis Patients. PLoS ONE, 2015, 10, e0135428. | 2.5 | 49 |
| 50 | Oligodendrocyte Gap Junction Loss and Disconnection From Reactive Astrocytes in Multiple Sclerosis Gray Matter. Journal of Neuropathology and Experimental Neurology, 2014, 73, 865-879. | 1.7 | 70 |
| 51 | Differential loss of KIR4.1 immunoreactivity in multiple sclerosis lesions. Annals of Neurology, 2014, 75, 810-828. | 5.3 | 41 |
| 52 | Microglia activation in multiple sclerosis black holes predicts outcome in progressive patients: An in vivo [(11)C](R)-PK11195-PET pilot study. Neurobiology of Disease, 2014, 65, 203-210. | 4.4 | 66 |
| 53 | Non-myeloablative autologous haematopoietic stem cell transplantation expands regulatory cells and depletes IL-17 producing mucosal-associated invariant T cells in multiple sclerosis. Brain, 2013, 136, 2888-2903. | 7.6 | 174 |
| 54 | Cortical grey matter demyelination can be induced by elevated pro-inflammatory cytokines in the subarachnoid space of MOG-immunized rats. Brain, 2013, 136, 3596-3608. | 7.6 | 125 |

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| 55 | B-Cell Enrichment and Epstein-Barr Virus Infection in Inflammatory Cortical Lesions in Secondary Progressive Multiple Sclerosis. Journal of Neuropathology and Experimental Neurology, 2013, 72, 29-41. | 1.7 | 98 |
| 56 | Maternal fatâ€rich diet alters vasodilatation response in adult offspring. FASEB Journal, 2013, 27, 679.3. | 0.5 | 0 |
| 57 | Increased PK11195 PET binding in the cortex of patients with MS correlates with disability. Neurology, 2012, 79, 523-530. | 1.1 | 150 |
| 58 | Selection of novel reference genes for use in the human central nervous system: a BrainNet Europe Study. Acta Neuropathologica, 2012, 124, 893-903. | 7.7 | 110 |
| 59 | Meningeal inflammation plays a role in the pathology of primary progressive multiple sclerosis. Brain, 2012, 135, 2925-2937. | 7.6 | 310 |
| 60 | Inflammatory Pathways in Parkinson's Disease; A BNE Microarray Study. Parkinson's Disease, 2012, 2012, 1-16. | 1.1 | 51 |
| 61 | Innate Immunity in multiple sclerosis white matter lesions: expression of natural cytotoxicity triggering receptor 1 (NCR1). Journal of Neuroinflammation, 2012, 9, 1. | 7.2 | 147 |
| 62 | Disruption of oligodendrocyte gap junctions in experimental autoimmune encephalomyelitis. Glia, 2012, 60, 1053-1066. | 4.9 | 75 |
| 63 | Gap junction pathology in multiple sclerosis lesions and normal-appearing white matter. Acta Neuropathologica, 2012, 123, 873-886. | 7.7 | 83 |
| 64 | Genetic risk and a primary role for cell-mediated immune mechanisms in multiple sclerosis. Nature, 2011, 476, 214-219. | 27.8 | 2,400 |
| 65 | The neuropathological basis of clinical progression in multiple sclerosis. Acta Neuropathologica, 2011, 122, 155-170. | 7.7 | 188 |
| 66 | Mitochondrial DNA deletions and neurodegeneration in multiple sclerosis. Annals of Neurology, 2011, 69, 481-492. | 5.3 | 306 |
| 67 | Related B cell clones populate the meninges and parenchyma of patients with multiple sclerosis. Brain, 2011, 134, 534-541. | 7.6 | 186 |
| 68 | Meningeal inflammation is widespread and linked to cortical pathology in multiple sclerosis. Brain, 2011, 134, 2755-2771. | 7.6 | 685 |
| 69 | Mixed-Affinity Binding in Humans with 18-kDa Translocator Protein Ligands. Journal of Nuclear Medicine, 2011, 52, 24-32. | 5.0 | 330 |
| 70 | Activated Microglia Mediate Axoglial Disruption That Contributes to Axonal Injury in Multiple Sclerosis. Journal of Neuropathology and Experimental Neurology, 2010, 69, 1017-1033. | 1.7 | 190 |
| 71 | Meningeal T cells associate with diffuse axonal loss in multiple sclerosis spinal cords. Annals of Neurology, 2010, 68, 465-476. | 5.3 | 109 |
| 72 | A Gradient of neuronal loss and meningeal inflammation in multiple sclerosis. Annals of Neurology, 2010, 68, 477-493. | 5.3 | 588 |

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| 73 | Effects of Antemortem and Postmortem Variables on Human Brain mRNA Quality: A BrainNet Europe Study. Journal of Neuropathology and Experimental Neurology, 2010, 69, 70-81. | 1.7 | 139 |
| 74 | Detection of Epstein–Barr virus and B-cell follicles in the multiple sclerosis brain: what you find depends on how and where you look. Brain, 2010, 133, e157-e157. | 7.6 | 66 |
| 75 | Substantial Archaeocortical Atrophy and Neuronal Loss in Multiple Sclerosis. Brain Pathology, 2009, 19, 238-253. | 4.1 | 172 |
| 76 | Management of a twenty-first century brain bank: experience in the BrainNet Europe consortium. Acta Neuropathologica, 2008, 115, 497-507. | 7.7 | 101 |
| 77 | Lymphoid chemokines in chronic neuroinflammation. Journal of Neuroimmunology, 2008, 198, 106-112. | 2.3 | 55 |
| 78 | Human oligodendrocytes express Cx31.3: Function and interactions with Cx32 mutants. Neurobiology of Disease, 2008, 30, 221-233. | 4.4 | 36 |
| 79 | Normal-appearing white matter in multiple sclerosis is in a subtle balance between inflammation and neuroprotection. Brain, 2007, 131, 288-303. | 7.6 | 182 |
| 80 | Dysregulated Epstein-Barr virus infection in the multiple sclerosis brain. Journal of Experimental Medicine, 2007, 204, 2899-2912. | 8.5 | 630 |
| 81 | The junctional adhesion molecule (JAM) is required for maintaining the integrity and function of myelinated peripheral nerves. FASEB Journal, 2007, 21, A65. | 0.5 | 0 |
| 82 | Axon loss is responsible for chronic neurological deficit following inflammatory demyelination in the rat. Experimental Neurology, 2006, 197, 373-385. | 4.1 | 98 |
| 83 | Upregulation of α-synuclein in neurons and glia in inflammatory demyelinating disease. Molecular and Cellular Neurosciences, 2006, 31, 597-612. | 2.2 | 40 |
| 84 | Meningeal B-cell follicles in secondary progressive multiple sclerosis associate with early onset of disease and severe cortical pathology. Brain, 2006, 130, 1089-1104. | 7.6 | 1,142 |
| 85 | Oligodendroglial Lineage. , 2004, , 289-310. | | 5 |
| 86 | NG2-expressing glial progenitor cells: an abundant and widespread population of cycling cells in the adult rat CNS. Molecular and Cellular Neurosciences, 2003, 24, 476-488. | 2.2 | 787 |
| 87 | Molecular Changes in Normal Appearing White Matter in Multiple Sclerosis are Characteristic of Neuroprotective Mechanisms Against Hypoxic Insult. Brain Pathology, 2003, 13, 554-573. | 4.1 | 202 |
| 88 | The response of NG2-expressing oligodendrocyte progenitors to demyelination in MOG-EAE and MS. Journal of Neurocytology, 2002, 31, 523-536. | 1.5 | 153 |
| 89 | Expression of QKI Proteins and MAP1B Identifies Actively Myelinating Oligodendrocytes in Adult Rat Brain. Molecular and Cellular Neurosciences, 2001, 17, 292-302. | 2.2 | 59 |
| 90 | The oligodendrocyte precursor cell in health and disease. Trends in Neurosciences, 2001, 24, 39-47. | 8.6 | 596 |

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|-----|---|-----|-----------|
| 91 | The response of adult oligodendrocyte progenitors to demyelination in EAE. Progress in Brain Research, 2001, 132, 165-174. | 1.4 | 53 |
| 92 | Disturbed oligodendrocyte development and recovery from hypomyelination in a c-myc transgenic mouse mutant. Journal of Neuroscience Research, 2001, 66, 46-58. | 2.9 | 5 |
| 93 | Increase in HLA-DR Immunoreactive Microglia in Frontal and Temporal Cortex of Chronic Schizophrenics. Journal of Neuropathology and Experimental Neurology, 2000, 59, 137-150. | 1.7 | 294 |
| 94 | NG2-expressing cells in the central nervous system: Are they oligodendroglial progenitors?. Journal of Neuroscience Research, 2000, 61, 471-479. | 2.9 | 367 |
| 95 | NG2â€expressing cells in the central nervous system: Are they oligodendroglial progenitors?. Journal of Neuroscience Research, 2000, 61, 471-479. | 2.9 | 7 |
| 96 | Activation and Proliferation of Endogenous Oligodendrocyte Precursor Cells during Ethidium Bromide-Induced Demyelination. Experimental Neurology, 1999, 160, 333-347. | 4.1 | 243 |
| 97 | Contrasting effects of mitogenic growth factors on oligodendrocyte precursor cell migration. Glia, 1997, 19, 85-90. | 4.9 | 110 |
| 98 | Oligodendroglial progenitors labeled with the O4 antibody persist in the adult rat cerebral cortex in vivo. , 1997, 47, 455-470. | | 237 |
| 99 | A reappraisal of ganglioside GD3 expression in the CNS. , 1996, 16, 291-295. | | 35 |
| 100 | Rat cerebral cortical neurons in primary culture release a mitogen specific for early (GD3+/04â^') oligodendroglial progenitors. Journal of Neuroscience Research, 1993, 34, 589-600. | 2.9 | 30 |
| 101 | Down-regulation of GAP-43 During Oligodendrocyte Development and Lack of Expression by Astrocytes In Vivo: Implications for Macroglial Differentiation. European Journal of Neuroscience, 1991, 3, 876-886. | 2.6 | 75 |
| 102 | Oligodendroglial and astroglial heterogeneity in mouse primary central nervous system culture as demonstrated by differences in GABA andd-aspartate transport and immunocytochemistry. | 1.7 | 28 |

Developmental Brain Research, 1987, 36, 13-25.