List of Publications by Year in descending order

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#	Article	IF	CITATIONS
1	Intrinsic blood–brain barrier dysfunction contributes to multiple sclerosis pathogenesis. Brain, 2022, 145, 4334-4348.	7.6	37
2	Neurodegenerative phagocytes mediate synaptic stripping in Neuro-HIV. Brain, 2022, 145, 2730-2741.	7.6	7
3	Serum neurofilament light chain for individual prognostication of disease activity in people with multiple sclerosis: a retrospective modelling and validation study. Lancet Neurology, The, 2022, 21, 246-257.	10.2	210
4	Association of Brain Atrophy With Disease Progression Independent of Relapse Activity in Patients With Relapsing Multiple Sclerosis. JAMA Neurology, 2022, 79, 682.	9.0	41
5	First-ever treatment in multiple sclerosis. Revue Neurologique, 2021, 177, 93-99.	1.5	0
6	Pattern of cognitive deficits in severe COVID-19. Journal of Neurology, Neurosurgery and Psychiatry, 2021, 92, 567-568.	1.9	108
7	ls disease activity prior to fingolimod initiation predictive of response? Fingolimod as a "common― first line treatment. Revue Neurologique, 2021, 177, 935-940.	1.5	2
8	The association between depressive symptoms and neurocognitive impairment in people with well-treated HIV in Switzerland. International Journal of STD and AIDS, 2021, 32, 729-739.	1.1	5
9	Alcohol consumption and neurocognitive deficits in people with well-treated HIV in Switzerland. PLoS ONE, 2021, 16, e0246579.	2.5	3
10	Unexpected worsening of progressive multifocal leucoencephalopathy following COVID-19 pneumonia. Journal of NeuroVirology, 2021, 27, 510-513.	2.1	4
11	Case Report: Behavioral Unresponsiveness in Acute COVID-19 Patients: The Utility of the Motor Behavior Tool-Revised and 18F-FDG PET/CT. Frontiers in Neurology, 2021, 12, 644848.	2.4	5
12	Anti-Adenylate Kinase 5 Encephalitis With Histologic Evidence of CNS Vasculitis. Neurology: Neuroimmunology and NeuroInflammation, 2021, 8, e1010.	6.0	2
13	Recurrence of disease activity after fingolimod discontinuation in older patients previously stable on treatment. Multiple Sclerosis and Related Disorders, 2021, 51, 102918.	2.0	11
14	Discussing Challenges in Diagnosis of Tuberculous Meningitis and Neurosarcoidosis. Canadian Journal of Neurological Sciences, 2021, , 1-7.	0.5	0
15	Encephalopathies Associated With Severe COVID-19 Present Neurovascular Unit Alterations Without Evidence for Strong Neuroinflammation. Neurology: Neuroimmunology and NeuroInflammation, 2021, 8, .	6.0	34
16	Chronic White Matter Inflammation and Serum Neurofilament Levels in Multiple Sclerosis. Neurology, 2021, 97, e543-e553.	1.1	54
17	Neurocognitive course at two-year follow-up in the neurocognitive assessment in the metabolic and aging cohort (NAMACO) study. Aids, 2021, Publish Ahead of Print, 2469-2480.	2.2	6
18	Advances in Treatment of Progressive Multifocal Leukoencephalopathy. Annals of Neurology, 2021, 90, 865-873	5.3	18

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19	Differentiation of functional astrocytes from human-induced pluripotent stem cells in chemically defined media. STAR Protocols, 2021, 2, 100902.	1.2	11
20	The "central vein sign―in patients with diagnostic "red flags―for multiple sclerosis: A prospective multicenter 3T study. Multiple Sclerosis Journal, 2020, 26, 421-432.	3.0	44
21	Self-reported Neurocognitive Impairment in People Living With Human Immunodeficiency Virus (HIV): Characterizing Clusters of Patients With Similar Changes in Self-reported Neurocognitive Impairment, 2013–2017, in the Swiss HIV Cohort Study. Clinical Infectious Diseases, 2020, 71, 637-644.	5.8	3
22	Evolution of Cortical and White Matter Lesion Load in Early-Stage Multiple Sclerosis: Correlation With Neuroaxonal Damage and Clinical Changes. Frontiers in Neurology, 2020, 11, 973.	2.4	8
23	RimNet: A deep 3D multimodal MRI architecture for paramagnetic rim lesion assessment in multiple sclerosis. NeuroImage: Clinical, 2020, 28, 102412.	2.7	21
24	Vaccine-associated measles in a patient treated with natalizumab: a case report. BMC Infectious Diseases, 2020, 20, 753.	2.9	8
25	Meningeal Relapse of Nodular Lymphocyte Predominant Hodgkin Lymphoma Transformed to T-Cell/Histiocyte-Rich Large B-Cell Lymphoma: A Case Report. Frontiers in Oncology, 2020, 10, 1745.	2.8	1
26	Clinical Reasoning: A 69-year-old man with rare complex visual symptoms. Neurology, 2020, 95, 316-320.	1.1	0
27	Vaccination in B-cell–depleted patients with multiple sclerosis. Neurology, 2020, 95, 613-614.	1.1	5
28	Paramagnetic Rim Lesions are Specific to Multiple Sclerosis: An International Multicenter 3T MRI Study. Annals of Neurology, 2020, 88, 1034-1042.	5.3	89
29	Advancing human induced pluripotent stem cellâ€derived bloodâ€brain barrier models for studying immune cell interactions. FASEB Journal, 2020, 34, 16693-16715.	0.5	47
30	Progressive multifocal leukoencephalopathy responsive to withdrawal of imatinib in a patient with FIP1L1-PDGFRA positive myeloid neoplasm. Leukemia and Lymphoma, 2020, 61, 2226-2229.	1.3	1
31	Authors' reply to A. Winston, A. Cotter, M. Gisslen, P. W. G. Mallon and P. Cinque. HIV Medicine, 2020, 21, e19-e20.	2.2	1
32	Two patients with acute meningoencephalitis concomitant with SARS oVâ€2 infection. European Journal of Neurology, 2020, 27, e43-e44.	3.3	149
33	CVSnet: A machine learning approach for automated central vein sign assessment in multiple sclerosis. NMR in Biomedicine, 2020, 33, e4283.	2.8	31
34	Human Leukocyte Antigen Genotype as a Marker of Multiple Sclerosis Prognosis. Canadian Journal of Neurological Sciences, 2020, 47, 189-196.	0.5	4
35	Motor behavior unmasks residual cognition in disorders of consciousness. Annals of Neurology, 2019, 85, 443-447.	5.3	40
36	Specific aspects of immunotherapy for multiple sclerosis in Switzerland: A structured commentary. Clinical and Translational Neuroscience, 2019, 3, 2514183X1882207.	0.9	5

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37	Reader response: Progressive multifocal leukoencephalopathy after fingolimod treatment. Neurology, 2019, 92, 151-151.	1.1	6
38	Cross-Sectional and Cumulative Longitudinal Central Nervous System Penetration Effectiveness Scores Are Not Associated With Neurocognitive Impairment in a Well Treated Aging Human Immunodeficiency Virus-Positive Population in Switzerland. Open Forum Infectious Diseases, 2019, 6, ofz277.	0.9	20
39	Efficacy of Natalizumab in Intermediate Uveitis Related to Multiple Sclerosis: A Case Report. Klinische Monatsblatter Fur Augenheilkunde, 2018, 235, 476-477.	0.5	6
40	Natalizumab may control immune checkpoint inhibitor–induced limbic encephalitis. Neurology: Neuroimmunology and NeuroInflammation, 2018, 5, e439.	6.0	87
41	Exploring the effect of vitamin D ₃ supplementation on the anti-EBV antibody response in relapsing-remitting multiple sclerosis. Multiple Sclerosis Journal, 2018, 24, 1280-1287.	3.0	32
42	A Swiss neurological paradox. Clinical and Translational Neuroscience, 2018, 2, 2514183X1878525.	0.9	0
43	Effect of national HIV testing recommendations and local interventions on HIV testing practices in a Swiss university hospital: a retrospective analysis between 2012 and 2015. BMJ Open, 2018, 8, e021203.	1.9	0
44	Late Lyme neuroborreliosis with chronic encephalomyelitis. Neurology, 2018, 91, 627-628.	1.1	6
45	Human Induced Pluripotent Stem Cell-Derived Astrocytes Are Differentially Activated by Multiple Sclerosis-Associated Cytokines. Stem Cell Reports, 2018, 11, 1199-1210.	4.8	114
46	Determination of nucleosidic/tidic reverse transcriptase inhibitors in plasma and cerebrospinal fluid by ultra-high-pressure liquid chromatography coupled with tandem mass spectrometry. Clinical Mass Spectrometry, 2018, 8, 8-20.	1.9	10
47	EBI2 Expression and Function: Robust in Memory Lymphocytes and Increased by Natalizumab in Multiple Sclerosis. Cell Reports, 2017, 18, 213-224.	6.4	38
48	Progressive multifocal leukoencephalopathy in two natalizumab-treated stepsisters: An intriguing coincidence. Multiple Sclerosis Journal, 2017, 23, 300-303.	3.0	6
49	Impaired T-cell migration to the CNS under fingolimod and dimethyl fumarate. Neurology: Neuroimmunology and NeuroInflammation, 2017, 4, e401.	6.0	24
50	The Self-Inactivating KamiCas9 System for the Editing of CNS Disease Genes. Cell Reports, 2017, 20, 2980-2991.	6.4	96
51	Rivastigmine decreases brain damage in <scp>HIV</scp> patients with mild cognitive deficits. Annals of Clinical and Translational Neurology, 2017, 4, 915-920.	3.7	1
52	An unusual case of miliary PML-IRIS in an HIV+ patient. Neurology: Neuroimmunology and NeuroInflammation, 2017, 4, e370.	6.0	2
53	Increased ex vivo antigen presentation profile of B cells in multiple sclerosis. Multiple Sclerosis Journal, 2017, 23, 802-809.	3.0	36
54	The Presence of Human Immunodeficiency Virus-Associated Neurocognitive Disorders Is Associated With a Lower Adherence to Combined Antiretroviral Treatment. Open Forum Infectious Diseases, 2017, 4, ofx070.	0.9	34

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55	The Combined Quantification and Interpretation of Multiple Quantitative Magnetic Resonance Imaging Metrics Enlightens Longitudinal Changes Compatible with Brain Repair in Relapsing-Remitting Multiple Sclerosis Patients. Frontiers in Neurology, 2017, 8, 506.	2.4	27
56	A New Approach for Deep Gray Matter Analysis Using Partial-Volume Estimation. PLoS ONE, 2016, 11, e0148631.	2.5	7
57	Automated detection of white matter and cortical lesions in early stages of multiple sclerosis. Journal of Magnetic Resonance Imaging, 2016, 43, 1445-1454.	3.4	64
58	327. Genetic Editing for Huntington's Disease. Molecular Therapy, 2016, 24, S131.	8.2	0
59	Rituximab versus fingolimod after natalizumab in multiple sclerosis: Also consider progressive multifocal leukoencephalopathy risk. Annals of Neurology, 2016, 80, 791-791.	5.3	1
60	Serum neurofilament light chain in early relapsing remitting MS is increased and correlates with CSF levels and with MRI measures of disease severity. Multiple Sclerosis Journal, 2016, 22, 1550-1559.	3.0	202
61	Serum and CSF GQ1b antibodies in isolated ophthalmologic syndromes. Neurology, 2016, 86, 1780-1784.	1.1	14
62	The VZV/IE63-specific T cell response prevents herpes zoster in fingolimod-treated patients. Neurology: Neuroimmunology and NeuroInflammation, 2016, 3, e209.	6.0	5
63	PML risk stratification using anti-JCV antibody index and L-selectin. Multiple Sclerosis Journal, 2016, 22, 1048-1060.	3.0	62
64	The Swiss Multiple Sclerosis Cohort-Study (SMSC): A Prospective Swiss Wide Investigation of Key Phases in Disease Evolution and New Treatment Options. PLoS ONE, 2016, 11, e0152347.	2.5	38
65	Interleukin-22 is increased in multiple sclerosis patients and targets astrocytes. Journal of Neuroinflammation, 2015, 12, 119.	7.2	85
66	Multicontrast MRI Quantification of Focal Inflammation and Degeneration in Multiple Sclerosis. BioMed Research International, 2015, 2015, 1-9.	1.9	16
67	Progressive multifocal leukoencephalopathy in common variable immunodeficiency: mitigated course under mirtazapine and mefloquine. Journal of NeuroVirology, 2015, 21, 694-701.	2.1	22
68	Management of Fulminant Multiple Sclerosis With Rituximab. Neurologist, 2015, 19, 155-157.	0.7	2
69	Acute Lyme Neuroborreliosis With Transient Hemiparesis and Aphasia. Annals of Emergency Medicine, 2015, 66, 60-64.	0.6	5
70	A phase IIa randomized clinical study testing GNbAC1, a humanized monoclonal antibody against the envelope protein of multiple sclerosis associated endogenous retrovirus in multiple sclerosis patients — A twelve month follow-up. Journal of Neuroimmunology, 2015, 285, 68-70.	2.3	41
71	Status epilepticus of inflammatory etiology. Neurology, 2015, 85, 464-470.	1.1	64
72	Environmental factors in multiple sclerosis. Presse Medicale, 2015, 44, e113-e120.	1.9	20

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73	Relapse in herpes simplex virus encephalitis. Neurology, 2015, 85, 1730-1731.	1.1	8
74	CSF lactate for accurate diagnosis of community-acquired bacterial meningitis. European Journal of Clinical Microbiology and Infectious Diseases, 2015, 34, 2049-2055.	2.9	35
75	Multicontrast <i>connectometry</i> : A new tool to assess cerebellum alterations in early relapsingâ€remitting multiple sclerosis. Human Brain Mapping, 2015, 36, 1609-1619.	3.6	30
76	A phase IIa randomised clinical study of GNbAC1, a humanised monoclonal antibody against the envelope protein of multiple sclerosis-associated endogenous retrovirus in multiple sclerosis patients. Multiple Sclerosis Journal, 2015, 21, 885-893.	3.0	53
77	Minimal supportive treatment in natalizumab-related PML in a MS patient. Journal of Neurology, Neurosurgery and Psychiatry, 2015, 86, 354-355.	1.9	6
78	Advanced MRI unravels the nature of tissue alterations in early multiple sclerosis. Annals of Clinical and Translational Neurology, 2014, 1, 423-432.	3.7	67
79	MP2RAGE provides new clinically-compatible correlates of mild cognitive deficits in relapsing-remitting multiple sclerosis. Journal of Neurology, 2014, 261, 1606-1613.	3.6	24
80	Natalizumab treatment alters the expression of T-cell trafficking marker LFA-1 α-chain (CD11a) in MS patients. Multiple Sclerosis Journal, 2014, 20, 837-842.	3.0	15
81	Immunological Mechanism of Action and Clinical Profile of Disease-Modifying Treatments in Multiple Sclerosis. CNS Drugs, 2014, 28, 535-558.	5.9	26
82	Immune system's role in viral encephalitis. Revue Neurologique, 2014, 170, 577-583.	1.5	4
83	Assessing risks of multiple sclerosis therapies. Journal of the Neurological Sciences, 2013, 332, 59-65.	0.6	8
84	MOBP-specific cellular immune responses are weaker than MOG-specific cellular immune responses in patients with multiple sclerosis and healthy subjects. Neurological Sciences, 2013, 34, 539-543.	1.9	4
85	Marked increase of the astrocytic marker S100B in the cerebrospinal fluid of HIV-infected patients on LPV/r-monotherapy. Aids, 2013, 27, 203-210.	2.2	23
86	Rivastigmine for HIV-associated neurocognitive disorders. Neurology, 2013, 80, 553-560.	1.1	32
87	A light in the cognitive fog?. Antiviral Therapy, 2013, 18, 149-151.	1.0	2
88	Micro-Structural Brain Alterations in Aviremic HIV+ Patients with Minor Neurocognitive Disorders: A Multi-Contrast Study at High Field. PLoS ONE, 2013, 8, e72547.	2.5	19
89	Impairment of JCV-specific T-cell response by corticotherapy. Neurology, 2012, 79, 2258-2264.	1.1	82
90	Fatal PML associated with efalizumab therapy. Neurology, 2012, 78, 458-467.	1.1	103

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91	Immunological and clinical consequences of treating a patient with natalizumab. Multiple Sclerosis Journal, 2012, 18, 335-344.	3.0	40
92	HLA-B7–Restricted EBV-Specific CD8+ T Cells Are Dysregulated in Multiple Sclerosis. Journal of Immunology, 2012, 188, 4671-4680.	0.8	36
93	Type I IFN-mediated regulation of IL-1 production in inflammatory disorders. Cellular and Molecular Life Sciences, 2012, 69, 3395-3418.	5.4	32
94	HIV Testing Practices by Clinical Service before and after Revised Testing Guidelines in a Swiss University Hospital. PLoS ONE, 2012, 7, e39299.	2.5	14
95	Multiple Sclerosis Decreases Explicit Counterfactual Processing and Risk Taking in Decision Making. PLoS ONE, 2012, 7, e50718.	2.5	23
96	Vitamin D has a direct immunomodulatory effect on CD8+ T cells of patients with early multiple sclerosis and healthy control subjects. Journal of Neuroimmunology, 2011, 233, 240-244.	2.3	80
97	Type I Interferon Inhibits Interleukin-1 Production and Inflammasome Activation. Immunity, 2011, 34, 213-223.	14.3	810
98	Rituximab is successful in an HIV-positive patient with MuSK myasthenia gravis. Neurology, 2011, 76, 757-758.	1.1	16
99	A promenade along the stream of demyelination. Current Opinion in Neurology, 2010, 23, 203-204.	3.6	0
100	Demyelination as a complication of new immunomodulatory treatments. Current Opinion in Neurology, 2010, 23, 226-233.	3.6	25
101	Cognitive dysfunction in HIV patients despite long-standing suppression of viremia. Aids, 2010, 24, 1243-1250.	2.2	592
102	Immune responses to JC virus in patients with multiple sclerosis treated with natalizumab: a cross-sectional and longitudinal study. Lancet Neurology, The, 2010, 9, 264-272.	10.2	86
103	Discrepant findings in immune responses to JC virus in patients receiving natalizumab – Authors' reply. Lancet Neurology, The, 2010, 9, 566-567.	10.2	5
104	Cytokine mRNA profile of Epstein–Barr virus-stimulated highly differentiated T cells in multiple sclerosis: A pilot study. Journal of Neuroimmunology, 2010, 225, 167-170.	2.3	4
105	Intrathecal immune responses to EBV in early MS. European Journal of Immunology, 2010, 40, 878-887.	2.9	83
106	EFNS guidelines on diagnosis and management of neuromyelitis optica. European Journal of Neurology, 2010, 17, 1019-1032.	3.3	376
107	Elevated Tribbles homolog 2–specific antibody levels in narcolepsy patients. Journal of Clinical Investigation, 2010, 120, 713-719.	8.2	263
108	Progressive decline of decision-making performances during multiple sclerosis. Journal of the International Neuropsychological Society, 2009, 15, 291-295.	1.8	25

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109	JC Virus-Specific Immune Responses in Human Immunodeficiency Virus Type 1 Patients with Progressive Multifocal Leukoencephalopathy. Journal of Virology, 2009, 83, 4404-4411.	3.4	74
110	Encephalitis with herpes simplex-2 in the cerebrospinal fluid and anti-RI (ANNA-2) antibodies: an infectious or a paraneoplastic syndrome?. BMJ Case Reports, 2009, 2009, bcr1220081363-bcr1220081363.	0.5	2
111	Inaugural description of Cogan syndrome in an HIV-infected person. Journal of Neurology, 2008, 255, 1427-1428.	3.6	2
112	Strong EBV-specific CD8+ T-cell response in patients with early multiple sclerosis. Brain, 2008, 131, 1712-1721.	7.6	150
113	Chimeric immune receptors (CIRs) specific to JC virus for immunotherapy in progressive multifocal leukoencephalopathy (PML). International Immunology, 2007, 19, 1083-1093.	4.0	14
114	Limbic Encephalitis: Another Example of Molecular Mimicry?. European Neurology, 2007, 57, 191-192.	1.4	2
115	Anaphylactic reaction to methylprednisolone in multiple sclerosis: a practical approach to alternative corticosteroids. Multiple Sclerosis Journal, 2007, 13, 559-560.	3.0	9
116	Neuromyelitis optica following CMV primo-infection. Journal of Internal Medicine, 2007, 261, 500-503.	6.0	32
117	CSF enrichment of highly differentiated CD8+ T cells in early multiple sclerosis. Clinical Immunology, 2007, 123, 105-113.	3.2	57
118	Severe post-EBV encephalopathy associated with myelin oligodendrocyte glycoprotein-specific immune response. Journal of Neuroimmunology, 2007, 192, 192-197.	2.3	7
119	Functional signatures of protective antiviral Tâ€cell immunity in human virus infections. Immunological Reviews, 2006, 211, 236-254.	6.0	256
120	JC virus induces a vigorous CD8+ cytotoxic T cell response in multiple sclerosis patients. Journal of Neuroimmunology, 2006, 176, 181-186.	2.3	27
121	Favourable outcome of progressive multifocal leucoencephalopathy in two patients with dermatomyositis. Journal of Neurology, Neurosurgery and Psychiatry, 2006, 77, 1079-1082.	1.9	63
122	Interplay of Cellular and Humoral Immune Responses against BK Virus in Kidney Transplant Recipients with Polyomavirus Nephropathy. Journal of Virology, 2006, 80, 3495-3505.	3.4	129
123	Presence of JC virus-specific CTL in the cerebrospinal fluid of PML patients: rationale for immune-based therapeutic strategies. Aids, 2005, 19, 2069-2076.	2.2	36
124	Detection of JC Virus-Specific Cytotoxic T Lymphocytes in Healthy Individuals. Journal of Virology, 2004, 78, 10206-10210.	3.4	78
125	A prospective study demonstrates an association between JC virus-specific cytotoxic T lymphocytes and the early control of progressive multifocal leukoencephalopathy. Brain, 2004, 127, 1970-1978.	7.6	188
126	Inflammatory Reaction in Progressive Multifocal Leukoencephalopathy: Harmful or Beneficial?. Journal of NeuroVirology, 2003, 9, 25-31.	2.1	135

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127	The effect of aging on postural stability: a cross sectional and longitudinal study. Neurophysiologie Clinique, 2003, 33, 213-218.	2.2	116
128	Chronic Parkinsonism Associated With Cirrhosis. Archives of Neurology, 2003, 60, 521.	4.5	233
129	Low Frequency of Cytotoxic T Lymphocytes against the Novel HLA-A*0201-Restricted JC Virus Epitope VP1 p36 in Patients with Proven or Possible Progressive Multifocal Leukoencephalopathy. Journal of Virology, 2003, 77, 11918-11926.	3.4	84
130	Association of Prolonged Survival in HLA-A2+ Progressive Multifocal Leukoencephalopathy Patients with a CTL Response Specific for a Commonly Recognized JC Virus Epitope. Journal of Immunology, 2002, 168, 499-504.	0.8	129
131	Persistence of mild parkinsonism 4 months after liver transplantation in patients with preoperative minimal hepatic encephalopathy: a study on neuroradiological and blood manganese changes. Transplant International, 2002, 15, 188-195.	1.6	12
132	JC Virus-Specific Cytotoxic T Lymphocytes in Individuals with Progressive Multifocal Leukoencephalopathy. Journal of Virology, 2001, 75, 3483-3487.	3.4	125
133	Monocular Central Dazzle After Thalamic Infarcts. Journal of Neuro-Ophthalmology, 2000, 20, 97-99.	0.8	8
134	Severe but reversible encephalopathy associated with cefepime. Neurophysiologie Clinique, 2000, 30, 383-386.	2.2	77
135	Magnetic resonance imaging and proton spectroscopic alterations correlate with parkinsonian signs in patients with cirrhosis. Gastroenterology, 2000, 119, 774-781.	1.3	94
136	Periodic downbeat nystagmus. Neurology, 1998, 51, 1478-1480.	1.1	26