Friedemann Paul

List of Publications by Year
in descending order

480	27,239	7251 80	12272 138
papers	citations	h-index	g-index

509	509	509	21700
all docs	docs citations	times ranked	citing authors

#	Article	IF	Citations
1	MOG-IgG in NMO and related disorders: a multicenter study of 50 patients. Part 2: Epidemiology, clinical presentation, radiological and laboratory features, treatment responses, and long-term outcome. Journal of Neuroinflammation, 2016, 13, 280.	3.1	686
2	Contrasting disease patterns in seropositive and seronegative neuromyelitis optica: A multicentre study of 175 patients. Journal of Neuroinflammation, 2012, 9, 14.	3.1	593
3	MRI characteristics of neuromyelitis optica spectrum disorder. Neurology, 2015, 84, 1165-1173.	1.5	523
4	Update on the diagnosis and treatment of neuromyelitis optica: Recommendations of the Neuromyelitis Optica Study Group (NEMOS). Journal of Neurology, 2014, 261, 1-16.	1.8	494
5	A blood based 12-miRNA signature of Alzheimer disease patients. Genome Biology, 2013, 14, R78.	13.9	438
6	Inebilizumab for the treatment of neuromyelitis optica spectrum disorder (N-MOmentum): a double-blind, randomised placebo-controlled phase 2/3 trial. Lancet, The, 2019, 394, 1352-1363.	6.3	433
7	Retinal layer segmentation in multiple sclerosis: a systematic review and meta-analysis. Lancet Neurology, The, 2017, 16, 797-812.	4.9	397
8	A Diet Mimicking Fasting Promotes Regeneration and Reduces Autoimmunity and Multiple Sclerosis Symptoms. Cell Reports, 2016, 15, 2136-2146.	2.9	371
9	MOG-IgG in NMO and related disorders: a multicenter study of 50 patients. Part 1: Frequency, syndrome specificity, influence of disease activity, long-term course, association with AQP4-IgG, and origin. Journal of Neuroinflammation, 2016, 13, 279.	3.1	351
10	The APOSTEL recommendations for reporting quantitative optical coherence tomography studies. Neurology, 2016, 86, 2303-2309.	1.5	331
11	Neuromyelitis optica: Evaluation of 871 attacks and 1,153 treatment courses. Annals of Neurology, 2016, 79, 206-216.	2.8	315
12	Assessment of lesions on magnetic resonance imaging in multiple sclerosis: practical guidelines. Brain, 2019, 142, 1858-1875.	3.7	303
13	Characteristics of Susac syndrome: a review of all reported cases. Nature Reviews Neurology, 2013, 9, 307-316.	4.9	293
14	Mechanisms of Disease: aquaporin-4 antibodies in neuromyelitis optica. Nature Clinical Practice Neurology, 2008, 4, 202-214.	2.7	286
15	Neuromyelitis optica: clinical features, immunopathogenesis and treatment. Clinical and Experimental Immunology, 2014, 176, 149-164.	1.1	277
16	Failure of Natalizumab to Prevent Relapses in Neuromyelitis Optica. Archives of Neurology, 2012, 69, 239.	4.9	276
17	Fatigue as a symptom or comorbidity of neurological diseases. Nature Reviews Neurology, 2017, 13, 662-675.	4.9	270
18	Retinal thickness measured with optical coherence tomography and risk of disability worsening in multiple sclerosis: a cohort study. Lancet Neurology, The, 2016, 15, 574-584.	4.9	266

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19	MR-elastography reveals degradation of tissue integrity in multiple sclerosis. NeuroImage, 2010, 49, 2520-2525.	2.1	262
20	Myelin-oligodendrocyte glycoprotein antibody-associated disease. Lancet Neurology, The, 2021, 20, 762-772.	4.9	261
21	The investigation of acute optic neuritis: a review and proposed protocol. Nature Reviews Neurology, 2014, 10, 447-458.	4.9	248
22	No cerebrocervical venous congestion in patients with multiple sclerosis. Annals of Neurology, 2010, 68, 173-183.	2.8	236
23	Neuromyelitis optica. Nature Reviews Disease Primers, 2020, 6, 85.	18.1	232
24	Multicentre comparison of a diagnostic assay: aquaporin-4 antibodies in neuromyelitis optica. Journal of Neurology, Neurosurgery and Psychiatry, 2016, 87, 1005-1015.	0.9	228
25	Human cerebrospinal fluid monoclonalN-methyl-D-aspartate receptor autoantibodies are sufficient for encephalitis pathogenesis. Brain, 2016, 139, 2641-2652.	3.7	223
26	Cross-reactive CD4 ⁺ T cells enhance SARS-CoV-2 immune responses upon infection and vaccination. Science, 2021, 374, eabh1823.	6.0	221
27	MOG-IgG in NMO and related disorders: a multicenter study of 50 patients. Part 4: Afferent visual system damage after optic neuritis in MOG-IgG-seropositive versus AQP4-IgG-seropositive patients. Journal of Neuroinflammation, 2016, 13, 282.	3.1	217
28	Epidemiology of Neuromyelitis Optica Spectrum Disorder and Its Prevalence and Incidence Worldwide. Frontiers in Neurology, 2020, 11, 501.	1.1	216
29	Evaluation of Cognitive Deficits and Structural Hippocampal Damage in Encephalitis With Leucine-Rich, Glioma-Inactivated 1 Antibodies. JAMA Neurology, 2017, 74, 50.	4.5	214
30	Neuromyelitis optica and multiple sclerosis: Seeing differences through optical coherence tomography. Multiple Sclerosis Journal, 2015, 21, 678-688.	1.4	209
31	MOG-IgG in NMO and related disorders: a multicenter study of 50 patients. Part 3: Brainstem involvement - frequency, presentation and outcome. Journal of Neuroinflammation, 2016, 13, 281.	3.1	202
32	Perivascular spaces--MRI marker of inflammatory activity in the brain?. Brain, 2008, 131, 2332-2340.	3.7	200
33	Brain Viscoelasticity Alteration in Chronic-Progressive Multiple Sclerosis. PLoS ONE, 2012, 7, e29888.	1.1	195
34	Diagnosis and Treatment of NMO Spectrum Disorder and MOG-Encephalomyelitis. Frontiers in Neurology, 2018, 9, 888.	1.1	194
35	Distinct lesion morphology at 7-T MRI differentiates neuromyelitis optica from multiple sclerosis. Neurology, 2012, 79, 708-714.	1.5	190
36	Antibody to Aquaporin 4 in the Diagnosis of Neuromyelitis Optica. PLoS Medicine, 2007, 4, e133.	3.9	187

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37	Diagnostic criteria for Susac syndrome. Journal of Neurology, Neurosurgery and Psychiatry, 2016, 87, 1287-1295.	0.9	184
38	Accuracy and Reliability of the Kinect Version 2 for Clinical Measurement of Motor Function. PLoS ONE, 2016, 11, e0166532.	1.1	183
39	Cerebrospinal fluid antibodies to aquaporin-4 in neuromyelitis optica and related disorders: frequency, origin, and diagnostic relevance. Journal of Neuroinflammation, 2010, 7, 52.	3.1	182
40	Apheresis therapies for NMOSD attacks. Neurology: Neuroimmunology and NeuroInflammation, 2018, 5, e504.	3.1	173
41	Frequency and prognostic impact of antibodies to aquaporin-4 in patients with optic neuritis. Journal of the Neurological Sciences, 2010, 298, 158-162.	0.3	169
42	Functional and structural brain changes in antiâ€“Nâ€methylâ€Dâ€aspartate receptor encephalitis. Annals of Neurology, 2013, 74, 284-296.	2.8	167
43	Optical Coherence Tomography Reveals Distinct Patterns of Retinal Damage in Neuromyelitis Optica and Multiple Sclerosis. PLoS ONE, 2013, 8, e66151.	1.1	162
44	MOG antibody disease: A review of MOG antibody seropositive neuromyelitis optica spectrum disorder. Multiple Sclerosis and Related Disorders, 2018, 25, 66-72.	0.9	158
45	The current role of MRI in differentiating multiple sclerosis from its imaging mimics. Nature Reviews Neurology, 2018, 14, 199-213.	4.9	157
46	Lower motor neuron loss in multiple sclerosis and experimental autoimmune encephalomyelitis. Annals of Neurology, 2009, 66, 310-322.	2.8	151
47	The Influence of Physiological Aging and Atrophy on Brain Viscoelastic Properties in Humans. PLoS ONE, 2011, 6, e23451.	1.1	145
48	Frequency and syndrome specificity of antibodies to aquaporin-4 in neurological patients with rheumatic disorders. Multiple Sclerosis Journal, 2011, 17, 1067-1073.	1.4	144
49	Retinal ganglion cell and inner plexiform layer thinning in clinically isolated syndrome. Multiple Sclerosis Journal, 2013, 19, 1887-1895.	1.4	141
50	Racial differences in neuromyelitis optica spectrum disorder. Neurology, 2018, 91, e2089-e2099.	1.5	140
51	Novel multiple sclerosis susceptibility loci implicated in epigenetic regulation. Science Advances, 2016, 2, e1501678.	4.7	133
52	Does time equal vision in the acute treatment of a cohort of AQP4 and MOG optic neuritis?. Neurology: Neuroimmunology and NeuroInflammation, 2019, 6, e572.	3.1	133
53	Lesion morphology at 7 Tesla MRI differentiates Susac syndrome from multiple sclerosis. Multiple Sclerosis Journal, 2012, 18, 1592-1599.	1.4	132
54	Microstructural visual system changes in AQP4-antibodyâ€“seropositive NMOSD. Neurology: Neuroimmunology and NeuroInflammation, 2017, 4, e334.	3.1	128

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55	Structural Hippocampal Damage Following Anti-N-Methyl-D-Aspartate Receptor Encephalitis. Biological Psychiatry, 2016, 79, 727-734.	0.7	123
56	Immunotherapies in neuromyelitis optica spectrum disorder: efficacy and predictors of response. Journal of Neurology, Neurosurgery and Psychiatry, 2017, 88, 639-647.	0.9	123
57	Evaluation of the Central Vein Sign as a Diagnostic Imaging Biomarker in Multiple Sclerosis. JAMA Neurology, 2019, 76, 1446.	4.5	119
58	Comprehensive analysis of microRNA profiles in multiple sclerosis including next-generation sequencing. Multiple Sclerosis Journal, 2014, 20, 295-303.	1.4	115
59	High prevalence of <scp>NMDA</scp> receptor IgA/IgM antibodies in different dementia types. Annals of Clinical and Translational Neurology, 2014, 1, 822-832.	1.7	114
60	Retinal Damage in Multiple Sclerosis Disease Subtypes Measured by High-Resolution Optical Coherence Tomography. Multiple Sclerosis International, 2012, 2012, 1-10.	0.4	111
61	Functional connectivity of large-scale brain networks in patients with anti-NMDA receptor encephalitis: an observational study. Lancet Psychiatry,the, 2017, 4, 768-774.	3.7	111
62	Oral High-Dose Atorvastatin Treatment in Relapsing-Remitting Multiple Sclerosis. PLoS ONE, 2008, 3, e1928.	1.1	110
63	Beneficial effects of autologous mesenchymal stem cell transplantation in active progressive multiple sclerosis. Brain, 2020, 143, 3574-3588.	3.7	110
64	Treatment of MOG-IgG-associated disorder with rituximab: An international study of 121 patients. Multiple Sclerosis and Related Disorders, 2020, 44, 102251.	0.9	110
65	Patterns of retinal nerve fiber layer loss in multiple sclerosis patients with or without optic neuritis and glaucoma patients. Clinical Neurology and Neurosurgery, 2010, 112, 647-652.	0.6	107
66	Optimal intereye difference thresholds by optical coherence tomography in multiple sclerosis: An international study. Annals of Neurology, 2019, 85, 618-629.	2.8	104
67	Optic Neuritis Is Associated with Inner Nuclear Layer Thickening and Microcystic Macular Edema Independently of Multiple Sclerosis. PLoS ONE, 2013, 8, e71145.	1.1	102
68	Sleep disorders in multiple sclerosis and their relationship to fatigue. Sleep Medicine, 2014, 15, 5-14.	0.8	101
69	Optic neuritis interferes with optical coherence tomography and magnetic resonance imaging correlations. Multiple Sclerosis Journal, 2013, 19, 443-450.	1.4	100
70	Clinical, paraclinical and serological findings in Susac syndrome: an international multicenter study. Journal of Neuroinflammation, 2014, 11, 46.	3.1	100
71	Retinal ganglion cell loss in neuromyelitis optica: a longitudinal study. Journal of Neurology, Neurosurgery and Psychiatry, 2018, 89, 1259-1265.	0.9	100
72	Magnetic resonance elastography reveals altered brain viscoelasticity in experimental autoimmune encephalomyelitis. NeuroImage: Clinical, 2012, 1, 81-90.	1.4	99

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73	Screening for MOG-IgG and 27 other anti-glial and anti-neuronal autoantibodies in â€˜pattern II multiple sclerosisâ€™ and brain biopsy findings in a MOG-IgG-positive case. Multiple Sclerosis Journal, 2016, 22, 1541-1549.	1.4	96
74	APOSTEL 2.0 Recommendations for Reporting Quantitative Optical Coherence Tomography Studies. Neurology, 2021, 97, 68-79.	1.5	96
75	Vitamin D in the prevention, prediction and treatment of neurodegenerative and neuroinflammatory diseases. EPMA Journal, 2017, 8, 313-325.	3.3	94
76	Uncovering convolutional neural network decisions for diagnosing multiple sclerosis on conventional MRI using layer-wise relevance propagation. NeuroImage: Clinical, 2019, 24, 102003.	1.4	93
77	Severe structural and functional visual system damage leads to profound loss of vision-related quality of life in patients with neuromyelitis optica spectrum disorders. Multiple Sclerosis and Related Disorders, 2017, 11, 45-50.	0.9	89
78	Correlation of self-assessed fatigue and alertness in multiple sclerosis. Multiple Sclerosis Journal, 2010, 16, 1134-1140.	1.4	88
79	Worldwide prevalence of neuromyelitis optica spectrum disorders. Journal of Neurology, Neurosurgery and Psychiatry, 2018, 89, 555-556.	0.9	87
80	Insufficient treatment of severe depression in neuromyelitis optica spectrum disorder. Neurology: Neuroimmunology and NeuroInflammation, 2016, 3, e286.	3.1	85
81	Photoreceptor layer thinning in idiopathic Parkinson's disease. Movement Disorders, 2014, 29, 1163-1170.	2.2	84
82	Optic radiation damage in multiple sclerosis is associated with visual dysfunction and retinal thinning â€“ an ultrahigh-field MR pilot study. European Radiology, 2015, 25, 122-131.	2.3	84
83	Cerebrospinal fluid findings in patients with myelin oligodendrocyte glycoprotein (MOG) antibodies. Part 1:ÂResults from 163 lumbar punctures in 100 adult patients. Journal of Neuroinflammation, 2020, 17, 261.	3.1	84
84	Cerebrospinal fluid JC virus antibody index for diagnosis of natalizumabâ€associated progressive multifocal leukoencephalopathy. Annals of Neurology, 2014, 76, 792-801.	2.8	82
85	Epigallocatechin-3-gallate: a useful, effective and safe clinical approach for targeted prevention and individualised treatment of neurological diseases?. EPMA Journal, 2013, 4, 5.	3.3	80
86	Efficacy of Vitamin D Supplementation in Multiple Sclerosis (EVIDIMS Trial): study protocol for a randomized controlled trial. Trials, 2012, 13, 15.	0.7	79
87	Safety and efficacy of epigallocatechin gallate in multiple system atrophy (PROMESA): a randomised, double-blind, placebo-controlled trial. Lancet Neurology, The, 2019, 18, 724-735.	4.9	79
88	Metabolic Changes in the Visual Cortex Are Linked to Retinal Nerve Fiber Layer Thinning in Multiple Sclerosis. PLoS ONE, 2011, 6, e18019.	1.1	76
89	Cerebral magnetic resonance elastography in supranuclear palsy and idiopathic Parkinson's disease. NeuroImage: Clinical, 2013, 3, 381-387.	1.4	76
90	Tracking CNS and systemic sources of oxidative stress during the course of chronic neuroinflammation. Acta Neuropathologica, 2015, 130, 799-814.	3.9	76

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91	Multicenter reliability of semiautomatic retinal layer segmentation using OCT. Neurology: Neuroimmunology and NeuroInflammation, 2018, 5, e449.	3.1	76
92	Reliability of Intra-Retinal Layer Thickness Estimates. PLoS ONE, 2015, 10, e0137316.	1.1	75
93	Optical coherence tomography in neuromyelitis optica spectrum disorders: potential advantages for individualized monitoring of progression and therapy. EPMA Journal, 2018, 9, 21-33.	3.3	75
94	Sex differences in autoimmune disorders of the central nervous system. Seminars in Immunopathology, 2019, 41, 177-188.	2.8	74
95	Association of Retinal Ganglion Cell Layer Thickness With Future Disease Activity in Patients With Clinically Isolated Syndrome. JAMA Neurology, 2018, 75, 1071.	4.5	72
96	Serum Glial Fibrillary Acidic Protein: A Neuromyelitis Optica Spectrum Disorder Biomarker. Annals of Neurology, 2021, 89, 895-910.	2.8	72
97	Multiple sclerosisâ€“related fatigue: Altered resting-state functional connectivity of the ventral striatum and dorsolateral prefrontal cortex. Multiple Sclerosis Journal, 2019, 25, 554-564.	1.4	69
98	Attention Network Test reveals alerting network dysfunction in multiple sclerosis. Multiple Sclerosis Journal, 2010, 16, 93-99.	1.4	68
99	Impairment of contrast visual acuity as a functional correlate of retinal nerve fibre layer thinning and total macular volume reduction in multiple sclerosis. British Journal of Ophthalmology, 2012, 96, 62-67.	2.1	68
100	Multiple Sclerosis Lesions and Irreversible Brain Tissue Damage. Archives of Neurology, 2012, 69, 739-45.	4.9	68
101	Optic Nerve Head Quantification in Idiopathic Intracranial Hypertension by Spectral Domain OCT. PLoS ONE, 2012, 7, e36965.	1.1	68
102	Clinical implications of serum neurofilament in newly diagnosed MS patients: A longitudinal multicentre cohort study. EBioMedicine, 2020, 56, 102807.	2.7	67
103	Identifying Progression in Multiple Sclerosis: New Perspectives. Annals of Neurology, 2020, 88, 438-452.	2.8	67
104	Complete Epstein-Barr virus seropositivity in a large cohort of patients with early multiple sclerosis. Journal of Neurology, Neurosurgery and Psychiatry, 2020, 91, 681-686.	0.9	66
105	Time domain and spectral domain optical coherence tomography in multiple sclerosis: a comparative cross-sectional study. Multiple Sclerosis Journal, 2010, 16, 893-896.	1.4	65
106	Patients with multiple sclerosis demonstrate reduced subbasal corneal nerve fibre density. Multiple Sclerosis Journal, 2017, 23, 1847-1853.	1.4	65
107	Gadopentetate but not gadobutrol accumulates in the dentate nucleus of multiple sclerosis patients. Multiple Sclerosis Journal, 2017, 23, 963-972.	1.4	65
108	Ocrelizumab Extended Interval Dosing in Multiple Sclerosis in Times of COVID-19. Neurology: Neuroimmunology and NeuroInflammation, 2021, 8, .	3.1	65

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109	Metabolic response to epigallocatechin-3-gallate in relapsing-remitting multiple sclerosis: a randomized clinical trial. American Journal of Clinical Nutrition, 2015, 101, 487-495.	2.2	64
110	Interleukin-6 Receptor Blockade in Treatment-Refractory MOG-IgGâ€“Associated Disease and Neuromyelitis Optica Spectrum Disorders. Neurology: Neuroimmunology and NeuroInflammation, 2022, 9, .	3.1	64
111	Exercise in multiple sclerosis -- an integral component of disease management. EPMA Journal, 2012, 3, 2.	3.3	63
112	Treatment of sleep disorders may improve fatigue in multiple sclerosis. Clinical Neurology and Neurosurgery, 2013, 115, 1826-1830.	0.6	63
113	Evidence-based patient information programme in early multiple sclerosis: a randomised controlled trial. Journal of Neurology, Neurosurgery and Psychiatry, 2014, 85, 411-418.	0.9	63
114	Placebo-controlled study in neuromyelitis opticaâ€”Ethical and design considerations. Multiple Sclerosis Journal, 2016, 22, 862-872.	1.4	63
115	T-cell homeostasis in pediatric multiple sclerosis. Neurology, 2013, 81, 784-792.	1.5	62
116	Multi-scale classification of disease using structural MRI and wavelet transform. NeuroImage, 2012, 62, 48-58.	2.1	61
117	The Berlin Treatment Algorithm: recommendations for tailored innovative therapeutic strategies for multiple sclerosis-related fatigue. EPMA Journal, 2016, 7, 25.	3.3	61
118	Optical coherence tomography in myelin-oligodendrocyte-glycoprotein antibody-seropositive patients: a longitudinal study. Journal of Neuroinflammation, 2019, 16, 154.	3.1	61
119	Status of diagnostic approaches to AQP4-IgG seronegative NMO and NMO/MS overlap syndromes. Journal of Neurology, 2016, 263, 140-149.	1.8	60
120	Influence of female sex and fertile age on neuromyelitis optica spectrum disorders. Multiple Sclerosis Journal, 2017, 23, 1092-1103.	1.4	60
121	Encephalopathy, visual disturbance and hearing lossâ€”recognizing the symptoms of Susac syndrome. Nature Reviews Neurology, 2009, 5, 683-688.	4.9	59
122	Expert recommendations to personalization of medical approaches in treatment of multiple sclerosis: an overview of family planning and pregnancy. EPMA Journal, 2012, 3, 9.	3.3	59
123	Use of Advanced Magnetic Resonance Imaging Techniques in Neuromyelitis Optica Spectrum Disorder. JAMA Neurology, 2015, 72, 815.	4.5	59
124	Accuracy and repeatability of two methods of gait analysis â€“ GaitRiteâ„¢ und Mobility Labâ„¢ â€“ in subjects with cerebellar ataxia. Gait and Posture, 2016, 48, 194-201.	0.6	59
125	Distinct functionality of neutrophils in multiple sclerosis and neuromyelitis optica. Multiple Sclerosis Journal, 2016, 22, 160-173.	1.4	59
126	High risk of postpartum relapses in neuromyelitis optica spectrum disorder. Neurology, 2017, 89, 2238-2244.	1.5	59

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127	Temporal Retinal Nerve Fiber Loss in Patients with Spinocerebellar Ataxia Type 1. PLoS ONE, 2011, 6, e23024.	1.1	57
128	Chi3l3 induces oligodendrogenesis in an experimental model of autoimmune neuroinflammation. Nature Communications, 2019, 10, 217.	5.8	56
129	Disruption of the leptomeningeal blood barrier in neuromyelitis optica spectrum disorder. Neurology: Neuroimmunology and NeuroInflammation, 2017, 4, e343.	3.1	55
130	Optical coherence tomography for the diagnosis and monitoring of idiopathic intracranial hypertension. Journal of Neurology, 2017, 264, 1370-1380.	1.8	55
131	Superficial white matter damage in anti-NMDA receptor encephalitis. Journal of Neurology, Neurosurgery and Psychiatry, 2018, 89, 518-525.	0.9	55
132	Ketogenic diet and fasting diet as Nutritional Approaches in Multiple Sclerosis (NAMS): protocol of a randomized controlled study. Trials, 2020, 21, 3.	0.7	55
133	Low 25â€hydroxyvitamin D, but not the bioavailable fraction of 25â€hydroxyvitamin D, is a risk factor for multiple sclerosis. European Journal of Neurology, 2016, 23, 62-67.	1.7	54
134	The chronically inflamed central nervous system provides niches for long-lived plasma cells. Acta Neuropathologica Communications, 2017, 5, 88.	2.4	54
135	Treatment choices and neuropsychological symptoms of a large cohort of early MS. Neurology: Neuroimmunology and NeuroInflammation, 2018, 5, e446.	3.1	54
136	DeepWAS: Multivariate genotype-phenotype associations by directly integrating regulatory information using deep learning. PLoS Computational Biology, 2020, 16, e1007616.	1.5	54
137	Breastfeeding is associated with lower risk for multiple sclerosis. Multiple Sclerosis Journal, 2013, 19, 553-558.	1.4	53
138	Efficacy of glatiramer acetate in neuromyelitis optica spectrum disorder: a multicenter retrospective study. Journal of Neurology, 2016, 263, 575-582.	1.8	53
139	Serum peptide reactivities may distinguish neuromyelitis optica subgroups and multiple sclerosis. Neurology: Neuroimmunology and NeuroInflammation, 2016, 3, e204.	3.1	53
140	Cerebral blood perfusion changes in multiple sclerosis. Journal of the Neurological Sciences, 2007, 259, 16-20.	0.3	52
141	Periventricular venous density in multiple sclerosis is inversely associated with T2 lesion count: a 7 Tesla MRI study. Multiple Sclerosis Journal, 2013, 19, 316-325.	1.4	52
142	Safety and preliminary efficacy of deep transcranial magnetic stimulation in MS-related fatigue. Neurology: Neuroimmunology and NeuroInflammation, 2018, 5, e423.	3.1	52
143	Patterns of Retinal Damage Facilitate Differential Diagnosis between Susac Syndrome and MS. PLoS ONE, 2012, 7, e38741.	1.1	52
144	What Went Wrong? the Flawed Concept of Cerebrospinal Venous Insufficiency. Journal of Cerebral Blood Flow and Metabolism, 2013, 33, 657-668.	2.4	51

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145	The Transition From First-Line to Second-Line Therapy in Multiple Sclerosis. Current Treatment Options in Neurology, 2015, 17, 354.	0.7	51
146	Sex differences in brain atrophy in multiple sclerosis. Biology of Sex Differences, 2020, 11, 49.	1.8	51
147	No Evidence for XMRV in German CFS and MS Patients with Fatigue Despite the Ability of the Virus to Infect Human Blood Cells In Vitro. PLoS ONE, 2010, 5, e15632.	1.1	50
148	Is Metabolic Flexibility Altered in Multiple Sclerosis Patients?. PLoS ONE, 2012, 7, e43675.	1.1	50
149	Retinal pathology in Susac syndrome detected by spectral-domain optical coherence tomography. Neurology, 2015, 85, 610-618.	1.5	50
150	Transcriptomics and proteomics reveal a cooperation between interferon and T-helper 17 cells in neuromyelitis optica. Nature Communications, 2020, 11, 2856.	5.8	50
151	Altered fovea in AQP4-IgGâ€“seropositive neuromyelitis optica spectrum disorders. Neurology: Neuroimmunology and NeuroInflammation, 2020, 7, .	3.1	50
152	Dynamics of saccade parameters in multiple sclerosis patients with fatigue. Journal of Neurology, 2012, 259, 2656-2663.	1.8	48
153	Beyond the limbic system: disruption and functional compensation of large-scale brain networks in patients with anti-LGI1 encephalitis. Journal of Neurology, Neurosurgery and Psychiatry, 2018, 89, 1191-1199.	0.9	48
154	Association of Intrathecal Immunoglobulin G Synthesis With Disability Worsening in Multiple Sclerosis. JAMA Neurology, 2019, 76, 841.	4.5	48
155	Dynamic formation of macular microcysts independent of vitreous traction changes. Neurology, 2014, 83, 73-77.	1.5	47
156	Using perceptive computing in multiple sclerosis - the Short Maximum Speed Walk test. Journal of NeuroEngineering and Rehabilitation, 2014, 11, 89.	2.4	47
157	Visual evoked potentials in neuromyelitis optica and its spectrum disorders. Multiple Sclerosis Journal, 2014, 20, 617-620.	1.4	47
158	Very late-onset neuromyelitis optica spectrum disorder beyond the age of 75. Journal of Neurology, 2015, 262, 1379-1384.	1.8	47
159	Widespread inflammation in CLIPPERS syndrome indicated by autopsy and ultra-high-field 7T MRI. Neurology: Neuroimmunology and NeuroInflammation, 2016, 3, e226.	3.1	47
160	Normal volumes and microstructural integrity of deep gray matter structures in AQP4+ NMOSD. Neurology: Neuroimmunology and NeuroInflammation, 2016, 3, e229.	3.1	47
161	Higherâ€resolution MR elastography reveals early mechanical signatures of neuroinflammation in patients with clinically isolated syndrome. Journal of Magnetic Resonance Imaging, 2016, 44, 51-58.	1.9	47
162	Spinal cord lesions and atrophy in NMOSD with AQP4-IgG and MOG-IgG associated autoimmunity. Multiple Sclerosis Journal, 2019, 25, 1926-1936.	1.4	47

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163	Retinal Optical Coherence Tomography in Neuromyelitis Optica. Neurology: Neuroimmunology and NeuroInflammation, 2021, 8, .	3.1	47
164	MRI Pattern Recognition in Multiple Sclerosis Normal-Appearing Brain Areas. PLoS ONE, 2011, 6, e21138.	1.1	46
165	Trichuris suis ova in relapsing-remitting multiple sclerosis and clinically isolated syndrome (TRIOMS): study protocol for a randomized controlled trial. Trials, 2013, 14, 112.	0.7	46
166	Relations of low contrast visual acuity, quality of life and multiple sclerosis functional composite: a cross-sectional analysis. BMC Neurology, 2014, 14, 31.	0.8	46
167	Importance of cerebrospinal fluid analysis in the era of McDonald 2010 criteria: a Germanâ€“Austrian retrospective multicenter study in patients with a clinically isolated syndrome. Journal of Neurology, 2016, 263, 2499-2504.	1.8	46
168	Perfluorocarbon Particle Size Influences Magnetic Resonance Signal and Immunological Properties of Dendritic Cells. PLoS ONE, 2011, 6, e21981.	1.1	45
169	Can we overcome the â€˜clinico-radiological paradoxâ€™ in multiple sclerosis?. Journal of Neurology, 2012, 259, 2151-2160.	1.8	45
170	Optical coherence tomography does not support optic nerve involvement in amyotrophic lateral sclerosis. European Journal of Neurology, 2013, 20, 1170-1176.	1.7	45
171	The activity of catechol-O-methyltransferase (COMT) is not impaired by high doses of epigallocatechin-3-gallate (EGCG) in vivo. European Journal of Pharmacology, 2014, 740, 645-651.	1.7	45
172	Can we prevent or treat multiple sclerosis by individualised vitamin D supply?. EPMA Journal, 2013, 4, 4.	3.3	44
173	The effect of omega-3 fatty acids on central nervous system remyelination in fat-1 mice. BMC Neuroscience, 2017, 18, 19.	0.8	44
174	Optical coherence tomography in acute optic neuritis: A population-based study. Acta Neurologica Scandinavica, 2018, 138, 566-573.	1.0	44
175	Long-term disability in neuromyelitis optica spectrum disorder with a history of myelitis is associated with age at onset, delay in diagnosis/preventive treatment, MRI lesion length and presence of symptomatic brain lesions. Multiple Sclerosis and Related Disorders, 2019, 28, 64-68.	0.9	44
176	Novel uses of retinal imaging with optical coherence tomography in multiple sclerosis. Expert Review of Neurotherapeutics, 2019, 19, 31-43.	1.4	44
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