

Frauke Zipp

List of Publications by Citations

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307
papers

20,653
citations

67
h-index

135
g-index

340
ext. papers

24,337
ext. citations

8.5
avg, IF

6.35
L-index

#	Paper	IF	Citations
307	A placebo-controlled trial of oral fingolimod in relapsing multiple sclerosis. <i>New England Journal of Medicine</i> , 2010 , 362, 387-401	59.2	1971
306	Genetic risk and a primary role for cell-mediated immune mechanisms in multiple sclerosis. <i>Nature</i> , 2011 , 476, 214-9	50.4	1948
305	Analysis of immune-related loci identifies 48 new susceptibility variants for multiple sclerosis. <i>Nature Genetics</i> , 2013 , 45, 1353-60	36.3	934
304	Multiple Sclerosis Severity Score: using disability and disease duration to rate disease severity. <i>Neurology</i> , 2005 , 64, 1144-51	6.5	698
303	Comprehensive research synopsis and systematic meta-analyses in Parkinson® disease genetics: The PDGene database. <i>PLoS Genetics</i> , 2012 , 8, e1002548	6	420
302	Sirt1 contributes critically to the redox-dependent fate of neural progenitors. <i>Nature Cell Biology</i> , 2008 , 10, 385-94	23.4	367
301	Genetic Cell Ablation Reveals Clusters of Local Self-Renewing Microglia in the Mammalian Central Nervous System. <i>Immunity</i> , 2015 , 43, 92-106	32.3	358
300	Multiple sclerosis genomic map implicates peripheral immune cells and microglia in susceptibility. <i>Science</i> , 2019 , 365,	33.3	309
299	The brain as a target of inflammation: common pathways link inflammatory and neurodegenerative diseases. <i>Trends in Neurosciences</i> , 2006 , 29, 518-27	13.3	289
298	ECTRIMS/EAN Guideline on the pharmacological treatment of people with multiple sclerosis. <i>Multiple Sclerosis Journal</i> , 2018 , 24, 96-120	5	286
297	Human brain-cell death induced by tumour-necrosis-factor-related apoptosis-inducing ligand (TRAIL). <i>Lancet, The</i> , 2000 , 356, 827-8	40	271
296	Green tea epigallocatechin-3-gallate mediates T cellular NF-kappa B inhibition and exerts neuroprotection in autoimmune encephalomyelitis. <i>Journal of Immunology</i> , 2004 , 173, 5794-800	5.3	270
295	Genome-wide meta-analysis identifies novel multiple sclerosis susceptibility loci. <i>Annals of Neurology</i> , 2011 , 70, 897-912	9.4	263
294	Treatment of relapsing paralysis in experimental encephalomyelitis by targeting Th1 cells through atorvastatin. <i>Journal of Experimental Medicine</i> , 2003 , 197, 725-33	16.6	248
293	Indolamine 2,3-dioxygenase is expressed in the CNS and down-regulates autoimmune inflammation. <i>FASEB Journal</i> , 2005 , 19, 1347-9	0.9	244
292	Mechanisms of disease: aquaporin-4 antibodies in neuromyelitis optica. <i>Nature Clinical Practice Neurology</i> , 2008 , 4, 202-14		240
291	In vivo imaging of partially reversible th17 cell-induced neuronal dysfunction in the course of encephalomyelitis. <i>Immunity</i> , 2010 , 33, 424-36	32.3	233

290	Class II HLA interactions modulate genetic risk for multiple sclerosis. <i>Nature Genetics</i> , 2015 , 47, 1107-1113	13.3	215
289	MR-elastography reveals degradation of tissue integrity in multiple sclerosis. <i>NeuroImage</i> , 2010 , 49, 2520-5	9.5	215
288	Integration of genetic risk factors into a clinical algorithm for multiple sclerosis susceptibility: a weighted genetic risk score. <i>Lancet Neurology</i> , 2009 , 8, 1111-9	24.1	192
287	Fine-mapping the genetic association of the major histocompatibility complex in multiple sclerosis: HLA and non-HLA effects. <i>PLoS Genetics</i> , 2013 , 9, e1003926	6	186
286	Neuronal damage in autoimmune neuroinflammation mediated by the death ligand TRAIL. <i>Neuron</i> , 2005 , 46, 421-32	13.9	177
285	TNF-related apoptosis inducing ligand (TRAIL) as a potential response marker for interferon-beta treatment in multiple sclerosis. <i>Lancet</i> , 2003 , 361, 2036-43	40	177
284	Basic and escalating immunomodulatory treatments in multiple sclerosis: current therapeutic recommendations. <i>Journal of Neurology</i> , 2008 , 255, 1449-63	5.5	173
283	Changes in cerebral perfusion precede plaque formation in multiple sclerosis: a longitudinal perfusion MRI study. <i>Brain</i> , 2004 , 127, 111-9	11.2	157
282	Perivascular spaces--MRI marker of inflammatory activity in the brain?. <i>Brain</i> , 2008 , 131, 2332-40	11.2	156
281	Multiple sclerosis - candidate mechanisms underlying CNS atrophy. <i>Trends in Neurosciences</i> , 2010 , 33, 202-10	13.3	153
280	Microglia-blood vessel interactions: a double-edged sword in brain pathologies. <i>Acta Neuropathologica</i> , 2016 , 131, 347-63	14.3	152
279	Antibody to aquaporin 4 in the diagnosis of neuromyelitis optica. <i>PLoS Medicine</i> , 2007 , 4, e133	11.6	151
278	Immunoneuropsychiatry - novel perspectives on brain disorders. <i>Nature Reviews Neurology</i> , 2019 , 15, 317-328	15	141
277	Fatigue in multiple sclerosis is closely related to sleep disorders: a polysomnographic cross-sectional study. <i>Multiple Sclerosis Journal</i> , 2011 , 17, 613-22	5	136
276	Neuronal damage in brain inflammation. <i>Archives of Neurology</i> , 2007 , 64, 185-9		136
275	Lower motor neuron loss in multiple sclerosis and experimental autoimmune encephalomyelitis. <i>Annals of Neurology</i> , 2009 , 66, 310-22	9.4	134
274	Network-based multiple sclerosis pathway analysis with GWAS data from 15,000 cases and 30,000 controls. <i>American Journal of Human Genetics</i> , 2013 , 92, 854-65	11	132
273	Relapse and disability outcomes in patients with multiple sclerosis treated with fingolimod: subgroup analyses of the double-blind, randomised, placebo-controlled FREEDOMS study. <i>Lancet Neurology</i> , 2012 , 11, 420-8	24.1	128

272	Direct impact of T cells on neurons revealed by two-photon microscopy in living brain tissue. <i>Journal of Neuroscience</i> , 2004 , 24, 2458-64	6.6	120
271	Activation of microglial poly(ADP-ribose)-polymerase-1 by cholesterol breakdown products during neuroinflammation: a link between demyelination and neuronal damage. <i>Journal of Experimental Medicine</i> , 2003 , 198, 1729-40	16.6	118
270	Perivascular microglia promote blood vessel disintegration in the ischemic penumbra. <i>Acta Neuropathologica</i> , 2015 , 129, 279-95	14.3	115
269	Molecular mechanisms linking neuroinflammation and neurodegeneration in MS. <i>Experimental Neurology</i> , 2014 , 262 Pt A, 8-17	5.7	113
268	Death ligand TRAIL induces no apoptosis but inhibits activation of human (auto)antigen-specific T cells. <i>Journal of Immunology</i> , 2002 , 168, 4881-8	5.3	112
267	MHCII-independent CD4+ T cells protect injured CNS neurons via IL-4. <i>Journal of Clinical Investigation</i> , 2015 , 125, 699-714	15.9	105
266	Escalating immunotherapy of multiple sclerosis--new aspects and practical application. <i>Journal of Neurology</i> , 2004 , 251, 1329-39	5.5	100
265	No increase in demyelinating diseases after hepatitis B vaccination. <i>Nature Medicine</i> , 1999 , 5, 964-5	50.5	99
264	Neuronal injury in chronic CNS inflammation. <i>Baillieres Best Practice and Research in Clinical Anaesthesiology</i> , 2010 , 24, 551-62	4	98
263	Serum neurofilament light chain is a biomarker of acute and chronic neuronal damage in early multiple sclerosis. <i>Multiple Sclerosis Journal</i> , 2019 , 25, 678-686	5	97
262	Oral high-dose atorvastatin treatment in relapsing-remitting multiple sclerosis. <i>PLoS ONE</i> , 2008 , 3, e19287	9.7	96
261	Activation of kinin receptor B1 limits encephalitogenic T lymphocyte recruitment to the central nervous system. <i>Nature Medicine</i> , 2009 , 15, 788-93	50.5	93
260	Entorhinal fibers form synaptic contacts on parvalbumin-immunoreactive neurons in the rat fascia dentata. <i>Brain Research</i> , 1989 , 495, 161-6	3.7	93
259	Lack of tumor necrosis factor-related apoptosis-inducing ligand but presence of its receptors in the human brain. <i>Journal of Neuroscience</i> , 2002 , 22, RC209	6.6	90
258	Protein kinase CK2 enables regulatory T cells to suppress excessive TH2 responses in vivo. <i>Nature Immunology</i> , 2015 , 16, 267-75	19.1	87
257	Patterns of retinal nerve fiber layer loss in multiple sclerosis patients with or without optic neuritis and glaucoma patients. <i>Clinical Neurology and Neurosurgery</i> , 2010 , 112, 647-52	2	86
256	Dimethyl Fumarate Treatment Mediates an Anti-Inflammatory Shift in B Cell Subsets of Patients with Multiple Sclerosis. <i>Journal of Immunology</i> , 2017 , 198, 691-698	5.3	83
255	IL-17 and related cytokines involved in the pathology and immunotherapy of multiple sclerosis: Current and future developments. <i>Cytokine and Growth Factor Reviews</i> , 2014 , 25, 403-13	17.9	83

254	Impact of fingolimod therapy on magnetic resonance imaging outcomes in patients with multiple sclerosis. <i>Archives of Neurology</i> , 2012 , 69, 1259-69		83
253	Regulation of soluble and surface-bound TRAIL in human T cells, B cells, and monocytes. <i>Cytokine</i> , 2003 , 24, 244-53	4	82
252	Understanding the Role of T Cells in CNS Homeostasis. <i>Trends in Immunology</i> , 2016 , 37, 154-165	14.4	81
251	DNA methylation as a mediator of HLA-DRB1*15:01 and a protective variant in multiple sclerosis. <i>Nature Communications</i> , 2018 , 9, 2397	17.4	81
250	Neurodegeneration in autoimmune CNS inflammation. <i>Experimental Neurology</i> , 2010 , 225, 9-17	5.7	81
249	Modulation of dendritic cell properties by laquinimod as a mechanism for modulating multiple sclerosis. <i>Brain</i> , 2013 , 136, 1048-66	11.2	78
248	Expanding two-photon intravital microscopy to the infrared by means of optical parametric oscillator. <i>Biophysical Journal</i> , 2010 , 98, 715-23	2.9	78
247	Novel multiple sclerosis susceptibility loci implicated in epigenetic regulation. <i>Science Advances</i> , 2016 , 2, e1501678	14.3	75
246	Autoregulation of Th1-mediated inflammation by twist1. <i>Journal of Experimental Medicine</i> , 2008 , 205, 1889-901	16.6	75
245	Neurons as targets for T cells in the nervous system. <i>Trends in Neurosciences</i> , 2013 , 36, 315-24	13.3	73
244	Low-Frequency and Rare-Coding Variation Contributes to Multiple Sclerosis Risk. <i>Cell</i> , 2018 , 175, 1679-1687.e772	16.7	72
243	Genetic control of multiple sclerosis: increased production of lymphotoxin and tumor necrosis factor-alpha by HLA-DR2+ T cells. <i>Annals of Neurology</i> , 1995 , 38, 723-30	9.4	70
242	Cytotoxic CD8+ T cell-neuron interactions: perforin-dependent electrical silencing precedes but is not causally linked to neuronal cell death. <i>Journal of Neuroscience</i> , 2009 , 29, 15397-409	6.6	69
241	Correlation of self-assessed fatigue and alertness in multiple sclerosis. <i>Multiple Sclerosis Journal</i> , 2010 , 16, 1134-40	5	68
240	Neurodegeneration in multiple sclerosis: novel treatment strategies. <i>Expert Review of Neurotherapeutics</i> , 2012 , 12, 1061-76; quiz 1077	4.3	66
239	Increased serum levels of soluble CD95 (APO-1/Fas) in relapsing-remitting multiple sclerosis. <i>Annals of Neurology</i> , 1998 , 43, 116-20	9.4	66
238	Familial effects on the clinical course of multiple sclerosis. <i>Neurology</i> , 2007 , 68, 376-83	6.5	65
237	Graph Theoretical Framework of Brain Networks in Multiple Sclerosis: A Review of Concepts. <i>Neuroscience</i> , 2019 , 403, 35-53	3.9	65

236	ABC-transporter gene-polymorphisms are potential pharmacogenetic markers for mitoxantrone response in multiple sclerosis. <i>Brain</i> , 2009 , 132, 2517-30	11.2	63
235	Immune (dys)regulation in multiple sclerosis: role of the CD95-CD95 ligand system. <i>Trends in Immunology</i> , 1999 , 20, 550-4		63
234	IL12A, MPHOSPH9/CDK2AP1 and RGS1 are novel multiple sclerosis susceptibility loci. <i>Genes and Immunity</i> , 2010 , 11, 397-405	4.4	62
233	Frequency of blood CX3CR1-positive natural killer cells correlates with disease activity in multiple sclerosis patients. <i>FASEB Journal</i> , 2005 , 19, 1902-4	0.9	62
232	Impairment of contrast visual acuity as a functional correlate of retinal nerve fibre layer thinning and total macular volume reduction in multiple sclerosis. <i>British Journal of Ophthalmology</i> , 2012 , 96, 62-7	5.5	61
231	Blockade of chemokine signaling in patients with multiple sclerosis. <i>Neurology</i> , 2006 , 67, 1880-3	6.5	61
230	Differential immune cell dynamics in the CNS cause CD4+ T cell compartmentalization. <i>Brain</i> , 2009 , 132, 1247-58	11.2	60
229	Apoptosis in multiple sclerosis. <i>Cell and Tissue Research</i> , 2000 , 301, 163-71	4.2	60
228	Dimethyl fumarate-induced lymphopenia in MS due to differential T-cell subset apoptosis. <i>Neurology: Neuroimmunology and Neuroinflammation</i> , 2017 , 4, e340	9.1	59
227	Secondary Progression in Multiple Sclerosis: Neuronal Exhaustion or Distinct Pathology?. <i>Trends in Neurosciences</i> , 2016 , 39, 325-339	13.3	58
226	BLBP-expression in astrocytes during experimental demyelination and in human multiple sclerosis lesions. <i>Brain, Behavior, and Immunity</i> , 2011 , 25, 1554-68	16.6	58
225	TRAIL limits excessive host immune responses in bacterial meningitis. <i>Journal of Clinical Investigation</i> , 2007 , 117, 2004-13	15.9	58
224	Neuroprotective effect of combination therapy of glatiramer acetate and epigallocatechin-3-gallate in neuroinflammation. <i>PLoS ONE</i> , 2011 , 6, e25456	3.7	58
223	PML risk stratification using anti-JCV antibody index and L-selectin. <i>Multiple Sclerosis Journal</i> , 2016 , 22, 1048-60	5	57
222	Rapid alterations of cell cycle control proteins in human T lymphocytes in microgravity. <i>Cell Communication and Signaling</i> , 2012 , 10, 1	7.5	57
221	Attention Network Test reveals alerting network dysfunction in multiple sclerosis. <i>Multiple Sclerosis Journal</i> , 2010 , 16, 93-9	5	57
220	Parallelized TCSPC for dynamic intravital fluorescence lifetime imaging: quantifying neuronal dysfunction in neuroinflammation. <i>PLoS ONE</i> , 2013 , 8, e60100	3.7	57
219	Time domain and spectral domain optical coherence tomography in multiple sclerosis: a comparative cross-sectional study. <i>Multiple Sclerosis Journal</i> , 2010 , 16, 893-6	5	55

218	Astrocyte-induced T cell elimination is CD95 ligand dependent. <i>Journal of Neuroimmunology</i> , 2002 , 132, 60-5	3.5	55
217	Atorvastatin induces T cell anergy via phosphorylation of ERK1. <i>Journal of Immunology</i> , 2005 , 174, 5630-5	5.3	55
216	Neural cell adhesion molecule polysialylation enhances the sensitivity of embryonic stem cell-derived neural precursors to migration guidance cues. <i>Stem Cells</i> , 2007 , 25, 3016-25	5.8	54
215	The role of TRAIL/TRAIL receptors in central nervous system pathology. <i>Frontiers in Bioscience - Landmark</i> , 2007 , 12, 2912-21	2.8	52
214	Impact of HMG-CoA reductase inhibition on brain pathology. <i>Trends in Pharmacological Sciences</i> , 2007 , 28, 342-9	13.2	52
213	NFL (Neurofilament Light Chain) Levels as a Predictive Marker for Long-Term Outcome After Ischemic Stroke. <i>Stroke</i> , 2019 , 50, 3077-3084	6.7	51
212	Serum CD95 of relapsing remitting multiple sclerosis patients protects from CD95-mediated apoptosis. <i>Journal of Neuroimmunology</i> , 1998 , 86, 151-4	3.5	51
211	Expression of TRAIL receptors in human autoreactive and foreign antigen-specific T cells. <i>Cell Death and Differentiation</i> , 2000 , 7, 637-44	12.7	51
210	MANBA, CXCR5, SOX8, RPS6KB1 and ZBTB46 are genetic risk loci for multiple sclerosis. <i>Brain</i> , 2013 , 136, 1778-82	11.2	47
209	Encephalopathy, visual disturbance and hearing loss-recognizing the symptoms of Susac syndrome. <i>Nature Reviews Neurology</i> , 2009 , 5, 683-8	15	47
208	Structural Brain Network Characteristics Can Differentiate CIS from Early RRMS. <i>Frontiers in Neuroscience</i> , 2016 , 10, 14	5.1	47
207	Analyses of phenotypic and functional characteristics of CX3CR1-expressing natural killer cells. <i>Immunology</i> , 2011 , 133, 62-73	7.8	46
206	Poor PASAT performance correlates with MRI contrast enhancement in multiple sclerosis. <i>Neurology</i> , 2009 , 73, 1624-7	6.5	46
205	Tumour necrosis factor-related apoptosis-inducing ligand (TRAIL) in central nervous system inflammation. <i>Journal of Molecular Medicine</i> , 2009 , 87, 753-63	5.5	46
204	Increased structural white and grey matter network connectivity compensates for functional decline in early multiple sclerosis. <i>Multiple Sclerosis Journal</i> , 2017 , 23, 432-441	5	45
203	Mouse model mimics multiple sclerosis in the clinico-radiological paradox. <i>European Journal of Neuroscience</i> , 2007 , 26, 190-8	3.5	45
202	The problems and promises of research into human immunology and autoimmune disease. <i>Nature Medicine</i> , 2012 , 18, 48-53	50.5	44
201	Multiple sclerosis: comparison of the human T-cell response to S100 beta and myelin basic protein reveals parallels to rat experimental autoimmune panencephalitis. <i>Brain</i> , 1997 , 120 (Pt 8), 1437-45	11.2	44

200	Early mitoxantrone-induced cardiotoxicity in secondary progressive multiple sclerosis. <i>Journal of Neurology, Neurosurgery and Psychiatry</i> , 2007 , 78, 198-200	5.5	44
199	CNS-irrelevant T-cells enter the brain, cause blood-brain barrier disruption but no glial pathology. <i>European Journal of Neuroscience</i> , 2007 , 26, 1387-98	3.5	44
198	Cerebral blood perfusion changes in multiple sclerosis. <i>Journal of the Neurological Sciences</i> , 2007 , 259, 16-20	3.2	43
197	New candidates for CD4 T cell pathogenicity in experimental neuroinflammation and multiple sclerosis. <i>Brain</i> , 2015 , 138, 902-17	11.2	42
196	Classifications and treatment responses in chronic immune-mediated demyelinating polyneuropathy. <i>Neurology</i> , 2007 , 68, 1622-9	6.5	42
195	Systemic IFN-beta treatment induces apoptosis of peripheral immune cells in MS patients. <i>Journal of Neuroimmunology</i> , 2003 , 137, 187-96	3.5	42
194	Progressive change in primary progressive multiple sclerosis normal-appearing white matter: a serial diffusion magnetic resonance imaging study. <i>Multiple Sclerosis Journal</i> , 2004 , 10, 182-7	5	41
193	IDO (indolamine 2,3-dioxygenase) expression and function in the CNS. <i>Advances in Experimental Medicine and Biology</i> , 2003 , 527, 113-8	3.6	41
192	Treatment choices and neuropsychological symptoms of a large cohort of early MS. <i>Neurology: Neuroimmunology and NeuroInflammation</i> , 2018 , 5, e446	9.1	40
191	Neurodegeneration in autoimmune demyelination: recent mechanistic insights reveal novel therapeutic targets. <i>Journal of Neuroimmunology</i> , 2007 , 184, 17-26	3.5	40
190	Characterizing Microstructural Tissue Properties in Multiple Sclerosis with Diffusion MRI at 7 T and 3 T: The Impact of the Experimental Design. <i>Neuroscience</i> , 2019 , 403, 17-26	3.9	40
189	Treatment response to dimethyl fumarate is characterized by disproportionate CD8+ T cell reduction in MS. <i>Multiple Sclerosis Journal</i> , 2018 , 24, 632-641	5	39
188	MRI pattern recognition in multiple sclerosis normal-appearing brain areas. <i>PLoS ONE</i> , 2011 , 6, e21138	3.7	39
187	New insights into adaptive immunity in chronic neuroinflammation. <i>Advances in Immunology</i> , 2007 , 96, 1-40	5.6	39
186	IL-17 CD8 T cell suppression by dimethyl fumarate associates with clinical response in multiple sclerosis. <i>Nature Communications</i> , 2019 , 10, 5722	17.4	39
185	Microgravity-induced alterations in signal transduction in cells of the immune system. <i>Acta Astronautica</i> , 2010 , 67, 1116-1125	2.9	38
184	New developments in understanding and treating neuroinflammation. <i>Journal of Molecular Medicine</i> , 2008 , 86, 975-85	5.5	38
183	Structural correlates for fatigue in early relapsing remitting multiple sclerosis. <i>European Radiology</i> , 2016 , 26, 515-23	8	37

182	Differential regulation of myelin phagocytosis by macrophages/microglia, involvement of target myelin, Fc receptors and activation by intravenous immunoglobulins. <i>Journal of Neuroscience Research</i> , 2002 , 67, 185-90	4.4	37
181	Polyspecific immunoglobulins (IVIg) suppress proliferation of human (auto)antigen-specific T cells without inducing apoptosis. <i>Journal of Neuroimmunology</i> , 2001 , 114, 160-7	3.5	37
180	In vivo and in vitro effects of multiple sclerosis immunomodulatory therapeutics on glutamatergic excitotoxicity. <i>Journal of Neurochemistry</i> , 2016 , 136, 971-80	6	37
179	Oligoclonal band status in Scandinavian multiple sclerosis patients is associated with specific genetic risk alleles. <i>PLoS ONE</i> , 2013 , 8, e58352	3.7	36
178	In vivo imaging of lymphocytes in the CNS reveals different behaviour of naïve T cells in health and autoimmunity. <i>Journal of Neuroinflammation</i> , 2011 , 8, 131	10.1	36
177	Evidence for early, non-lesional cerebellar damage in patients with multiple sclerosis: DTI measures correlate with disability, atrophy, and disease duration. <i>Multiple Sclerosis Journal</i> , 2016 , 22, 73-84	5	35
176	Fast direct neuronal signaling via the IL-4 receptor as therapeutic target in neuroinflammation. <i>Science Translational Medicine</i> , 2018 , 10,	17.5	35
175	Gatekeeper role of brain antigen-presenting CD11c+ cells in neuroinflammation. <i>EMBO Journal</i> , 2016 , 35, 89-101	13	34
174	Death ligands and autoimmune demyelination. <i>Neuroscientist</i> , 2006 , 12, 305-16	7.6	34
173	Kinetics of IL-6 production defines T effector cell responsiveness to regulatory T cells in multiple sclerosis. <i>PLoS ONE</i> , 2013 , 8, e77634	3.7	34
172	GFAP β g-associated encephalitis upon daclizumab treatment of MS. <i>Neurology: Neuroimmunology and NeuroInflammation</i> , 2018 , 5, e481	9.1	33
171	Severe cardiac failure in a patient with multiple sclerosis following low-dose mitoxantrone treatment. <i>Neurology</i> , 2009 , 73, 991-3	6.5	33
170	Therapeutic targeting of chemokine signaling in Multiple Sclerosis. <i>Journal of the Neurological Sciences</i> , 2008 , 274, 31-8	3.2	33
169	Changes and variability of proton density and T1 relaxation times in early multiple sclerosis: MRI markers of neuronal damage in the cerebral cortex. <i>European Radiology</i> , 2016 , 26, 2578-86	8	33
168	Incidence of therapy-related acute leukaemia in mitoxantrone-treated multiple sclerosis patients in Germany. <i>Therapeutic Advances in Neurological Disorders</i> , 2012 , 5, 75-9	6.6	32
167	Lamotrigine--antiparkinsonian activity by blockade of glutamate release?. <i>Journal of Neural Transmission Parkinsonis Disease and Dementia Section</i> , 1993 , 5, 67-75		32
166	Maladaptive cortical hyperactivity upon recovery from experimental autoimmune encephalomyelitis. <i>Nature Neuroscience</i> , 2018 , 21, 1392-1403	25.5	32
165	Tumor-necrosis-factor-related apoptosis-inducing-ligand (TRAIL)-mediated death of neurons in living human brain tissue is inhibited by flupirtine-maleate. <i>Journal of Neuroimmunology</i> , 2005 , 167, 204-9	3.5	31

164	Clinical implications of serum neurofilament in newly diagnosed MS patients: A longitudinal multicentre cohort study. <i>EBioMedicine</i> , 2020 , 56, 102807	8.8	30
163	Changes in brain functional connectivity patterns are driven by an individual lesion in MS: a resting-state fMRI study. <i>Brain Imaging and Behavior</i> , 2016 , 10, 1117-1126	4.1	30
162	MR spectroscopy (MRS) and magnetisation transfer imaging (MTI), lesion load and clinical scores in early relapsing remitting multiple sclerosis: a combined cross-sectional and longitudinal study. <i>European Radiology</i> , 2009 , 19, 2066-74	8	30
161	Genome-wide significant association of ANKRD55 rs6859219 and multiple sclerosis risk. <i>Journal of Medical Genetics</i> , 2013 , 50, 140-3	5.8	29
160	Multiple sclerosis following etanercept treatment for ankylosing spondylitis. <i>Scandinavian Journal of Rheumatology</i> , 2008 , 37, 397-9	1.9	29
159	Dual effect of glucocorticoids on apoptosis of human autoreactive and foreign antigen-specific T cells. <i>Journal of Neuroimmunology</i> , 2000 , 110, 214-22	3.5	29
158	Power estimation for non-standardized multisite studies. <i>NeuroImage</i> , 2016 , 134, 281-294	7.9	28
157	A "candidate-interactome" aggregate analysis of genome-wide association data in multiple sclerosis. <i>PLoS ONE</i> , 2013 , 8, e63300	3.7	28
156	Elevated Bcl-X(L) levels correlate with T cell survival in multiple sclerosis. <i>Journal of Neuroimmunology</i> , 2002 , 126, 213-20	3.5	28
155	FTY720 (fingolimod) treatment tips the balance towards less immunogenic antigen-presenting cells in patients with multiple sclerosis. <i>Multiple Sclerosis Journal</i> , 2015 , 21, 1811-22	5	27
154	Genome-wide significant association with seven novel multiple sclerosis risk loci. <i>Journal of Medical Genetics</i> , 2015 , 52, 848-55	5.8	27
153	Closing the case of APOE in multiple sclerosis: no association with disease risk in over 29 000 subjects. <i>Journal of Medical Genetics</i> , 2012 , 49, 558-62	5.8	27
152	Geranylgeranylation but not GTP loading determines rho migratory function in T cells. <i>Journal of Immunology</i> , 2007 , 179, 6024-32	5.3	27
151	Automated segmentation of changes in FLAIR-hyperintense white matter lesions in multiple sclerosis on serial magnetic resonance imaging. <i>NeuroImage: Clinical</i> , 2019 , 23, 101849	5.3	25
150	Increased cortical curvature reflects white matter atrophy in individual patients with early multiple sclerosis. <i>NeuroImage: Clinical</i> , 2014 , 6, 475-87	5.3	25
149	A human post-mortem brain model for the standardization of multi-centre MRI studies. <i>NeuroImage</i> , 2015 , 110, 11-21	7.9	25
148	Identification of inflammatory neuronal injury and prevention of neuronal damage in multiple sclerosis: hope for novel therapies?. <i>JAMA Neurology</i> , 2013 , 70, 1569-74	17.2	25
147	Induction of TRAIL-mediated glioma cell death by human T cells. <i>Journal of Neuroimmunology</i> , 2002 , 122, 117-24	3.5	25

146	Development of ulcerative colitis in a patient with multiple sclerosis following treatment with interferon beta 1a. <i>World Journal of Gastroenterology</i> , 2007 , 13, 3638-40	5.6	25
145	Protein kinase CK2 governs the molecular decision between encephalitogenic TH17 cell and Treg cell development. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , 2016 , 113, 10145-50	11.5	24
144	A woman with acute myelopathy in pregnancy: case outcome. <i>BMJ, The</i> , 2009 , 339, b4026	5.9	24
143	The impact of isolated lesions on white-matter fiber tracts in multiple sclerosis patients. <i>NeuroImage: Clinical</i> , 2015 , 8, 110-6	5.3	23
142	A gene pathway analysis highlights the role of cellular adhesion molecules in multiple sclerosis susceptibility. <i>Genes and Immunity</i> , 2014 , 15, 126-32	4.4	23
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