

Xavier Montalban

List of Publications by Citations

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437
papers

36,431
citations

76
h-index

184
g-index

488
ext. papers

44,518
ext. citations

8.6
avg, IF

6.89
L-index

#	Paper	IF	Citations
437	Diagnostic criteria for multiple sclerosis: 2010 revisions to the McDonald criteria. <i>Annals of Neurology</i> , 2011 , 69, 292-302	9.4	6480
436	Diagnosis of multiple sclerosis: 2017 revisions of the McDonald criteria. <i>Lancet Neurology, The</i> , 2018 , 17, 162-173	24.1	2419
435	Genetic risk and a primary role for cell-mediated immune mechanisms in multiple sclerosis. <i>Nature</i> , 2011 , 476, 214-9	50.4	1948
434	Oral fingolimod or intramuscular interferon for relapsing multiple sclerosis. <i>New England Journal of Medicine</i> , 2010 , 362, 402-15	59.2	1686
433	Defining the clinical course of multiple sclerosis: the 2013 revisions. <i>Neurology</i> , 2014 , 83, 278-86	6.5	1632
432	Ocrelizumab versus Placebo in Primary Progressive Multiple Sclerosis. <i>New England Journal of Medicine</i> , 2017 , 376, 209-220	59.2	880
431	Oral fingolimod (FTY720) for relapsing multiple sclerosis. <i>New England Journal of Medicine</i> , 2006 , 355, 1124-40	59.2	877
430	Ocrelizumab versus Interferon Beta-1a in Relapsing Multiple Sclerosis. <i>New England Journal of Medicine</i> , 2017 , 376, 221-234	59.2	858
429	MRI criteria for the diagnosis of multiple sclerosis: MAGNIMS consensus guidelines. <i>Lancet Neurology, The</i> , 2016 , 15, 292-303	24.1	486
428	Clinically isolated syndromes suggestive of multiple sclerosis, part I: natural history, pathogenesis, diagnosis, and prognosis. <i>Lancet Neurology, The</i> , 2005 , 4, 281-8	24.1	436
427	Siponimod versus placebo in secondary progressive multiple sclerosis (EXPAND): a double-blind, randomised, phase 3 study. <i>Lancet, The</i> , 2018 , 391, 1263-1273	40	422
426	Effect of early versus delayed interferon beta-1b treatment on disability after a first clinical event suggestive of multiple sclerosis: a 3-year follow-up analysis of the BENEFIT study. <i>Lancet, The</i> , 2007 , 370, 389-97	40	417
425	Evidence-based guidelines: MAGNIMS consensus guidelines on the use of MRI in multiple sclerosis--establishing disease prognosis and monitoring patients. <i>Nature Reviews Neurology</i> , 2015 , 11, 597-606	15	321
424	Vitamin D as an early predictor of multiple sclerosis activity and progression. <i>JAMA Neurology</i> , 2014 , 71, 306-14	17.2	312
423	Multiple sclerosis genomic map implicates peripheral immune cells and microglia in susceptibility. <i>Science</i> , 2019 , 365,	33.3	309
422	Defining high, medium and low impact prognostic factors for developing multiple sclerosis. <i>Brain</i> , 2015 , 138, 1863-74	11.2	302
421	Placebo-controlled trial of oral laquinimod for multiple sclerosis. <i>New England Journal of Medicine</i> , 2012 , 366, 1000-9	59.2	290

420	ECTRIMS/EAN Guideline on the pharmacological treatment of people with multiple sclerosis. <i>Multiple Sclerosis Journal</i> , 2018 , 24, 96-120	5	286
419	Long-term effect of early treatment with interferon beta-1b after a first clinical event suggestive of multiple sclerosis: 5-year active treatment extension of the phase 3 BENEFIT trial. <i>Lancet Neurology, The</i> , 2009 , 8, 987-97	24.1	279
418	Evidence-based guidelines: MAGNIMS consensus guidelines on the use of MRI in multiple sclerosis-clinical implementation in the diagnostic process. <i>Nature Reviews Neurology</i> , 2015 , 11, 471-82	15	272
417	Oral fingolimod in primary progressive multiple sclerosis (INFORMS): a phase 3, randomised, double-blind, placebo-controlled trial. <i>Lancet, The</i> , 2016 , 387, 1075-1084	40	271
416	Daclizumab in active relapsing multiple sclerosis (CHOICE study): a phase 2, randomised, double-blind, placebo-controlled, add-on trial with interferon beta. <i>Lancet Neurology, The</i> , 2010 , 9, 381-90	24.1	261
415	Defining the response to interferon-beta in relapsing-remitting multiple sclerosis patients. <i>Annals of Neurology</i> , 2006 , 59, 344-52	9.4	260
414	MRI criteria for multiple sclerosis in patients presenting with clinically isolated syndromes: a multicentre retrospective study. <i>Lancet Neurology, The</i> , 2007 , 6, 677-86	24.1	246
413	Heterogeneity at the HLA-DRB1 locus and risk for multiple sclerosis. <i>Human Molecular Genetics</i> , 2006 , 15, 2813-24	5.6	246
412	Retinal layer segmentation in multiple sclerosis: a systematic review and meta-analysis. <i>Lancet Neurology, The</i> , 2017 , 16, 797-812	24.1	243
411	Daclizumab high-yield process in relapsing-remitting multiple sclerosis (SELECT): a randomised, double-blind, placebo-controlled trial. <i>Lancet, The</i> , 2013 , 381, 2167-75	40	236
410	Brain atrophy and lesion load predict long term disability in multiple sclerosis. <i>Journal of Neurology, Neurosurgery and Psychiatry</i> , 2013 , 84, 1082-91	5.5	209
409	Cerebrospinal fluid chitinase 3-like 1 levels are associated with conversion to multiple sclerosis. <i>Brain</i> , 2010 , 133, 1082-93	11.2	197
408	Lack of association between antimyelin antibodies and progression to multiple sclerosis. <i>New England Journal of Medicine</i> , 2007 , 356, 371-8	59.2	197
407	MRI and the diagnosis of multiple sclerosis: expanding the concept of "no better explanation". <i>Lancet Neurology, The</i> , 2006 , 5, 841-52	24.1	194
406	Radiologically isolated syndrome: 5-year risk for an initial clinical event. <i>PLoS ONE</i> , 2014 , 9, e90509	3.7	190
405	Risk stratification for progressive multifocal leukoencephalopathy in patients treated with natalizumab. <i>Multiple Sclerosis Journal</i> , 2012 , 18, 143-52	5	186
404	Comparison of fingolimod with interferon beta-1a in relapsing-remitting multiple sclerosis: a randomised extension of the TRANSFORMS study. <i>Lancet Neurology, The</i> , 2011 , 10, 520-9	24.1	178
403	Factors related with treatment adherence to interferon beta and glatiramer acetate therapy in multiple sclerosis. <i>Multiple Sclerosis Journal</i> , 2005 , 11, 306-9	5	167

402	Siponimod for patients with relapsing-remitting multiple sclerosis (BOLD): an adaptive, dose-ranging, randomised, phase 2 study. <i>Lancet Neurology, The</i> , 2013 , 12, 756-67	24.1	163
401	Treatment of cognitive impairment in multiple sclerosis: position paper. <i>Journal of Neurology</i> , 2013 , 260, 1452-68	5.5	161
400	Body fluid biomarkers in multiple sclerosis. <i>Lancet Neurology, The</i> , 2014 , 13, 113-26	24.1	157
399	Multicentre comparison of a diagnostic assay: aquaporin-4 antibodies in neuromyelitis optica. <i>Journal of Neurology, Neurosurgery and Psychiatry</i> , 2016 , 87, 1005-15	5.5	157
398	Effect of natalizumab on disease progression in secondary progressive multiple sclerosis (ASCEND): a phase 3, randomised, double-blind, placebo-controlled trial with an open-label extension. <i>Lancet Neurology, The</i> , 2018 , 17, 405-415	24.1	150
397	Elevated Epstein-Barr virus-encoded nuclear antigen-1 immune responses predict conversion to multiple sclerosis. <i>Annals of Neurology</i> , 2010 , 67, 159-69	9.4	145
396	Plasma osteopontin levels in multiple sclerosis. <i>Journal of Neuroimmunology</i> , 2005 , 158, 231-9	3.5	143
395	MS disease activity in RESTORE: a randomized 24-week natalizumab treatment interruption study. <i>Neurology</i> , 2014 , 82, 1491-8	6.5	141
394	Genome-wide pharmacogenomic analysis of the response to interferon beta therapy in multiple sclerosis. <i>Archives of Neurology</i> , 2008 , 65, 337-44		135
393	Multiple sclerosis: clinical aspects. <i>Current Opinion in Neurology</i> , 2018 , 31, 752-759	7.1	135
392	Ofatumumab versus Teriflunomide in Multiple Sclerosis. <i>New England Journal of Medicine</i> , 2020 , 383, 546-557	59.2	132
391	Treatment decisions in multiple sclerosis - insights from real-world observational studies. <i>Nature Reviews Neurology</i> , 2017 , 13, 105-118	15	126
390	Transcription-based prediction of response to IFNbeta using supervised computational methods. <i>PLoS Biology</i> , 2005 , 3, e2	9.7	122
389	The value of animal models for drug development in multiple sclerosis. <i>Brain</i> , 2006 , 129, 1940-52	11.2	118
388	Clinically isolated syndromes suggestive of multiple sclerosis, part 2: non-conventional MRI, recovery processes, and management. <i>Lancet Neurology, The</i> , 2005 , 4, 341-8	24.1	112
387	Placebo-Controlled Trial of an Oral BTK Inhibitor in Multiple Sclerosis. <i>New England Journal of Medicine</i> , 2019 , 380, 2406-2417	59.2	111
386	Long-term (up to 4.5 years) treatment with fingolimod in multiple sclerosis: results from the extension of the randomised TRANSFORMS study. <i>Journal of Neurology, Neurosurgery and Psychiatry</i> , 2016 , 87, 468-75	5.5	109
385	Chitinase 3-like 1: prognostic biomarker in clinically isolated syndromes. <i>Brain</i> , 2015 , 138, 918-31	11.2	103

384	FoxA1 directs the lineage and immunosuppressive properties of a novel regulatory T cell population in EAE and MS. <i>Nature Medicine</i> , 2014 , 20, 272-82	50.5	103
383	Predicting responders to therapies for multiple sclerosis. <i>Nature Reviews Neurology</i> , 2009 , 5, 553-60	15	101
382	Safety and efficacy of ozanimod versus interferon beta-1a in relapsing multiple sclerosis (RADIANCE): a multicentre, randomised, 24-month, phase 3 trial. <i>Lancet Neurology, The</i> , 2019 , 18, 1021-1033	24.1	98
381	Safety and efficacy of ozanimod versus interferon beta-1a in relapsing multiple sclerosis (SUNBEAM): a multicentre, randomised, minimum 12-month, phase 3 trial. <i>Lancet Neurology, The</i> , 2019 , 18, 1009-1020	24.1	96
380	ECTRIMS/EAN guideline on the pharmacological treatment of people with multiple sclerosis. <i>European Journal of Neurology</i> , 2018 , 25, 215-237	6	96
379	A single, early magnetic resonance imaging study in the diagnosis of multiple sclerosis. <i>Archives of Neurology</i> , 2009 , 66, 587-92		96
378	Tumor necrosis factor alpha (TNF- α) anti-TNF- α and demyelination revisited: an ongoing story. <i>Journal of Neuroimmunology</i> , 2011 , 234, 1-6	3.5	94
377	Genome-wide scan of 500,000 single-nucleotide polymorphisms among responders and nonresponders to interferon beta therapy in multiple sclerosis. <i>Archives of Neurology</i> , 2009 , 66, 972-8		94
376	MRI criteria for dissemination in space in patients with clinically isolated syndromes: a multicentre follow-up study. <i>Lancet Neurology, The</i> , 2006 , 5, 221-7	24.1	94
375	Neuromyelitis optica spectrum disorders: Comparison according to the phenotype and serostatus. <i>Neurology: Neuroimmunology and NeuroInflammation</i> , 2016 , 3, e225	9.1	94
374	Is optic neuritis more benign than other first attacks in multiple sclerosis?. <i>Annals of Neurology</i> , 2005 , 57, 210-5	9.4	93
373	Clinical spectrum associated with MOG autoimmunity in adults: significance of sharing rodent MOG epitopes. <i>Journal of Neurology</i> , 2016 , 263, 1349-60	5.5	93
372	Critical role of interleukin (IL)-17 in inflammatory and immune disorders: An updated review of the evidence focusing in controversies. <i>Autoimmunity Reviews</i> , 2020 , 19, 102429	13.6	91
371	Assessment of different treatment failure criteria in a cohort of relapsing-remitting multiple sclerosis patients treated with interferon beta: implications for clinical trials. <i>Annals of Neurology</i> , 2002 , 52, 400-6	9.4	89
370	Associations of paediatric demyelinating and encephalitic syndromes with myelin oligodendrocyte glycoprotein antibodies: a multicentre observational study. <i>Lancet Neurology, The</i> , 2020 , 19, 234-246	24.1	86
369	Placebo-controlled trial of oral laquinimod in multiple sclerosis: MRI evidence of an effect on brain tissue damage. <i>Journal of Neurology, Neurosurgery and Psychiatry</i> , 2014 , 85, 851-8	5.5	84
368	Predicting progression in primary progressive multiple sclerosis: a 10-year multicenter study. <i>Annals of Neurology</i> , 2008 , 63, 790-3	9.4	83
367	Identification of a novel risk locus for multiple sclerosis at 13q31.3 by a pooled genome-wide scan of 500,000 single nucleotide polymorphisms. <i>PLoS ONE</i> , 2008 , 3, e3490	3.7	83

366	Pharmacological management of spasticity in multiple sclerosis: Systematic review and consensus paper. <i>Multiple Sclerosis Journal</i> , 2016 , 22, 1386-1396	5	83
365	Reaching an evidence-based prognosis for personalized treatment of multiple sclerosis. <i>Nature Reviews Neurology</i> , 2019 , 15, 287-300	15	79
364	The 11-year long-term follow-up study from the randomized BENEFIT CIS trial. <i>Neurology</i> , 2016 , 87, 978-87		78
363	Daclizumab high-yield process in relapsing-remitting multiple sclerosis (SELECTION): a multicentre, randomised, double-blind extension trial. <i>Lancet Neurology</i> , 2014 , 13, 472-81	24.1	77
362	Tyrosine kinase 2 variant influences T lymphocyte polarization and multiple sclerosis susceptibility. <i>Brain</i> , 2011 , 134, 693-703	11.2	76
361	Early brain pseudoatrophy while on natalizumab therapy is due to white matter volume changes. <i>Multiple Sclerosis Journal</i> , 2013 , 19, 1175-81	5	75
360	NLRP3 inflammasome is associated with the response to IFN- β in patients with multiple sclerosis. <i>Brain</i> , 2015 , 138, 644-52	11.2	75
359	Spinal cord involvement in multiple sclerosis and neuromyelitis optica spectrum disorders. <i>Lancet Neurology</i> , 2019 , 18, 185-197	24.1	74
358	Assessing response to interferon- β in a multicenter dataset of patients with MS. <i>Neurology</i> , 2016 , 87, 134-40	6.5	74
357	Neurofilament light chain and oligoclonal bands are prognostic biomarkers in radiologically isolated syndrome. <i>Brain</i> , 2018 , 141, 1085-1093	11.2	72
356	Fingolimod versus intramuscular interferon in patient subgroups from TRANSFORMS. <i>Journal of Neurology</i> , 2013 , 260, 2023-32	5.5	72
355	Effects of early treatment with glatiramer acetate in patients with clinically isolated syndrome. <i>Multiple Sclerosis Journal</i> , 2013 , 19, 1074-83	5	72
354	Low-Frequency and Rare-Coding Variation Contributes to Multiple Sclerosis Risk. <i>Cell</i> , 2018 , 175, 1679-1687	16.7	72
353	MAGNIMS consensus recommendations on the use of brain and spinal cord atrophy measures in clinical practice. <i>Nature Reviews Neurology</i> , 2020 , 16, 171-182	15	68
352	The HLA locus and multiple sclerosis in Spain. Role in disease susceptibility, clinical course and response to interferon-beta. <i>Journal of Neuroimmunology</i> , 2002 , 130, 194-201	3.5	68
351	THC and CBD oromucosal spray (Sativex \textcircledR) in the management of spasticity associated with multiple sclerosis. <i>Expert Review of Neurotherapeutics</i> , 2011 , 11, 627-37	4.3	67
350	Safety and Efficacy of Siponimod (BAF312) in Patients With Relapsing-Remitting Multiple Sclerosis: Dose-Blinded, Randomized Extension of the Phase 2 BOLD Study. <i>JAMA Neurology</i> , 2016 , 73, 1089-98	17.2	67
349	Prediction of a multiple sclerosis diagnosis in patients with clinically isolated syndrome using the 2016 MAGNIMS and 2010 McDonald criteria: a retrospective study. <i>Lancet Neurology</i> , 2018 , 17, 133-42	24.1	66

348	Will Rogers phenomenon in multiple sclerosis. <i>Annals of Neurology</i> , 2008 , 64, 428-33	9.4	66
347	Altered inflammatory response and increased neurodegeneration in metallothionein I+II deficient mice during experimental autoimmune encephalomyelitis. <i>Journal of Neuroimmunology</i> , 2001 , 119, 248-60	3.5	66
346	A three-year, multi-parametric MRI study in patients at presentation with CIS. <i>Journal of Neurology</i> , 2008 , 255, 683-91	5.5	65
345	Safety of cladribine tablets in the treatment of patients with multiple sclerosis: An integrated analysis. <i>Multiple Sclerosis and Related Disorders</i> , 2019 , 29, 157-167	4	65
344	Ocrelizumab: a new milestone in multiple sclerosis therapy. <i>Therapeutic Advances in Neurological Disorders</i> , 2018 , 11, 1756286418773025	6.6	65
343	The value of oligoclonal bands in the multiple sclerosis diagnostic criteria. <i>Brain</i> , 2018 , 141, 1075-1084	11.2	64
342	Clinical, paraclinical and serological findings in Susac syndrome: an international multicenter study. <i>Journal of Neuroinflammation</i> , 2014 , 11, 46	10.1	63
341	Neurofilament light chain level is a weak risk factor for the development of MS. <i>Neurology</i> , 2016 , 87, 1076-84	6.5	61
340	ATON: results from a Phase II randomized trial of the B-cell-targeting agent atacicept in patients with optic neuritis. <i>Journal of the Neurological Sciences</i> , 2015 , 351, 174-178	3.2	60
339	Fingertgrast for relapsing remitting multiple sclerosis: a phase 2, randomised, double-blind, placebo-controlled trial. <i>Lancet Neurology</i> , 2012 , 11, 131-9	24.1	60
338	Epidemiology of NMOSD in Catalonia: Influence of the new 2015 criteria in incidence and prevalence estimates. <i>Multiple Sclerosis Journal</i> , 2018 , 24, 1843-1851	5	60
337	COVID-19 in multiple sclerosis patients: susceptibility, severity risk factors and serological response. <i>European Journal of Neurology</i> , 2021 , 28, 3384-3395	6	60
336	Evaluation of the Central Vein Sign as a Diagnostic Imaging Biomarker in Multiple Sclerosis. <i>JAMA Neurology</i> , 2019 , 76, 1446-1456	17.2	59
335	Environmental modifiable risk factors for multiple sclerosis: Report from the 2016ECTRIMS focused workshop. <i>Multiple Sclerosis Journal</i> , 2018 , 24, 590-603	5	58
334	Subgroups of the BENEFIT study: risk of developing MS and treatment effect of interferon beta-1b. <i>Journal of Neurology</i> , 2008 , 255, 480-7	5.5	58
333	Metabolomic signatures associated with disease severity in multiple sclerosis. <i>Neurology: Neuroimmunology and Neuroinflammation</i> , 2017 , 4, e321	9.1	57
332	PML risk stratification using anti-JCV antibody index and L-selectin. <i>Multiple Sclerosis Journal</i> , 2016 , 22, 1048-60	5	57
331	MRI monitoring of immunomodulation in relapse-onset multiple sclerosis trials. <i>Nature Reviews Neurology</i> , 2011 , 8, 13-21	15	57

330	Safety and efficacy of opicinumab in patients with relapsing multiple sclerosis (SYNERGY): a randomised, placebo-controlled, phase 2 trial. <i>Lancet Neurology, The</i> , 2019 , 18, 845-856	24.1	56
329	Spinal cord lesions: A modest contributor to diagnosis in clinically isolated syndromes but a relevant prognostic factor. <i>Multiple Sclerosis Journal</i> , 2018 , 24, 301-312	5	55
328	mtDNA nt13708A variant increases the risk of multiple sclerosis. <i>PLoS ONE</i> , 2008 , 3, e1530	3.7	55
327	Combined therapies to treat complex diseases: The role of the gut microbiota in multiple sclerosis. <i>Autoimmunity Reviews</i> , 2018 , 17, 165-174	13.6	55
326	Pregnancy, sex and hormonal factors in multiple sclerosis. <i>Multiple Sclerosis Journal</i> , 2014 , 20, 527-36	5	52
325	Interferon beta in relapsing-remitting multiple sclerosis. An eight years experience in a specialist multiple sclerosis centre. <i>Journal of Neurology</i> , 2005 , 252, 795-800	5.5	52
324	Fatigue in progressive multiple sclerosis is associated with low levels of dehydroepiandrosterone. <i>Multiple Sclerosis Journal</i> , 2006 , 12, 487-94	5	51
323	Sodium intake and multiple sclerosis activity and progression in BENEFIT. <i>Annals of Neurology</i> , 2017 , 82, 20-29	9.4	50
322	Revision of the risk of secondary leukaemia after mitoxantrone in multiple sclerosis populations is required. <i>Multiple Sclerosis Journal</i> , 2009 , 15, 1303-10	5	50
321	Unraveling treatment response in multiple sclerosis: A clinical and MRI challenge. <i>Neurology</i> , 2019 , 92, 180-192	6.5	50
320	Targeting dendritic cells to treat multiple sclerosis. <i>Nature Reviews Neurology</i> , 2010 , 6, 499-507	15	48
319	Serial diffusion-weighted MR imaging and proton MR spectroscopy of acute large demyelinating brain lesions: case report. <i>American Journal of Neuroradiology</i> , 2002 , 23, 989-94	4.4	48
318	Adherence and Satisfaction of Smartphone- and Smartwatch-Based Remote Active Testing and Passive Monitoring in People With Multiple Sclerosis: Nonrandomized Interventional Feasibility Study. <i>Journal of Medical Internet Research</i> , 2019 , 21, e14863	7.6	48
317	Atypical idiopathic inflammatory demyelinating lesions: prognostic implications and relation to multiple sclerosis. <i>Journal of Neurology</i> , 2013 , 260, 2016-22	5.5	47
316	MANBA, CXCR5, SOX8, RPS6KB1 and ZBTB46 are genetic risk loci for multiple sclerosis. <i>Brain</i> , 2013 , 136, 1778-82	11.2	47
315	Multiple sclerosis: current treatment algorithms. <i>Current Opinion in Neurology</i> , 2011 , 24, 230-7	7.1	47
314	Abnormal connectivity of the sensorimotor network in patients with MS: a multicenter fMRI study. <i>Human Brain Mapping</i> , 2009 , 30, 2412-25	5.9	47
313	Effects of interferon beta-1b on cognitive performance in patients with a first event suggestive of multiple sclerosis. <i>Multiple Sclerosis Journal</i> , 2012 , 18, 1466-71	5	47

312	Large-scale, multicentre, quantitative MRI study of brain and cord damage in primary progressive multiple sclerosis. <i>Multiple Sclerosis Journal</i> , 2008 , 14, 455-64	5	46
311	Disability progression markers over 6-12 years in interferon-β-treated multiple sclerosis patients. <i>Multiple Sclerosis Journal</i> , 2018 , 24, 322-330	5	45
310	Cognitive reserve in multiple sclerosis: Protective effects of education. <i>Multiple Sclerosis Journal</i> , 2015 , 21, 1312-21	5	45
309	Identification of a functional variant in the KIF5A-CYP27B1-METTL1-FAM119B locus associated with multiple sclerosis. <i>Journal of Medical Genetics</i> , 2013 , 50, 25-33	5.8	45
308	Olfactory dysfunction in multiple sclerosis: association with secondary progression. <i>Multiple Sclerosis Journal</i> , 2012 , 18, 616-21	5	45
307	Antimyelin antibodies with no progression to multiple sclerosis. <i>New England Journal of Medicine</i> , 2007 , 356, 426-8	59.2	45
306	Heat shock protein 70: roles in multiple sclerosis. <i>Molecular Medicine</i> , 2012 , 18, 1018-28	6.2	44
305	2021 MAGNIMS-CMSC-NAIMS consensus recommendations on the use of MRI in patients with multiple sclerosis. <i>Lancet Neurology</i> , 2021 , 20, 653-670	24.1	44
304	Lipid-specific immunoglobulin M bands in cerebrospinal fluid are associated with a reduced risk of developing progressive multifocal leukoencephalopathy during treatment with natalizumab. <i>Annals of Neurology</i> , 2015 , 77, 447-57	9.4	43
303	Immunoglobulin M oligoclonal bands: biomarker of targetable inflammation in primary progressive multiple sclerosis. <i>Annals of Neurology</i> , 2014 , 76, 231-40	9.4	42
302	Reversibility of the effects of natalizumab on peripheral immune cell dynamics in MS patients. <i>Neurology</i> , 2017 , 89, 1584-1593	6.5	42
301	Genetic variants are major determinants of CSF antibody levels in multiple sclerosis. <i>Brain</i> , 2015 , 138, 632-43	11.2	42
300	N-acetylaspartate and neurofilaments as biomarkers of axonal damage in patients with progressive forms of multiple sclerosis. <i>Journal of Neurology</i> , 2014 , 261, 2338-43	5.5	42
299	Immunotherapy for neurological diseases. <i>Clinical Immunology</i> , 2008 , 128, 294-305	9	42
298	Magnetic resonance imaging effects of interferon beta-1b in the BENEFIT study: integrated 2-year results. <i>Archives of Neurology</i> , 2007 , 64, 1292-8		41
297	NLRP3 inflammasome as prognostic factor and therapeutic target in primary progressive multiple sclerosis patients. <i>Brain</i> , 2020 , 143, 1414-1430	11.2	41
296	Search for specific biomarkers of IFNβ bioactivity in patients with multiple sclerosis. <i>PLoS ONE</i> , 2011 , 6, e23634	3.7	40
295	No association of multiple sclerosis activity and progression with EBV or tobacco use in BENEFIT. <i>Neurology</i> , 2015 , 85, 1694-701	6.5	39

294	Molecular mechanism underlying the impact of vitamin D on disease activity of MS. <i>Annals of Clinical and Translational Neurology</i> , 2014 , 1, 605-17	5.3	39
293	Ponesimod Compared With Teriflunomide in Patients With Relapsing Multiple Sclerosis in the Active-Comparator Phase 3 OPTIMUM Study: A Randomized Clinical Trial. <i>JAMA Neurology</i> , 2021 , 78, 558-567	17.2	39
292	The proteasome is a major autoantigen in multiple sclerosis. <i>Brain</i> , 2002 , 125, 2658-67	11.2	38
291	Long-term follow-up from the ORATORIO trial of ocrelizumab for primary progressive multiple sclerosis: a post-hoc analysis from the ongoing open-label extension of the randomised, placebo-controlled, phase 3 trial. <i>Lancet Neurology</i> , 2020 , 19, 998-1009	24.1	38
290	Role of B Cells in Multiple Sclerosis and Related Disorders. <i>Annals of Neurology</i> , 2021 , 89, 13-23	9.4	38
289	Contribution of the symptomatic lesion in establishing MS diagnosis and prognosis. <i>Neurology</i> , 2016 , 87, 1368-74	6.5	37
288	Precision medicine in multiple sclerosis: biomarkers for diagnosis, prognosis, and treatment response. <i>Current Opinion in Neurology</i> , 2016 , 29, 254-62	7.1	37
287	The Multiple Sclerosis Care Unit. <i>Multiple Sclerosis Journal</i> , 2019 , 25, 627-636	5	37
286	Cladribine tablets added to IFN- β in active relapsing MS: The ONWARD study. <i>Neurology: Neuroimmunology and NeuroInflammation</i> , 2018 , 5, e477	9.1	36
285	Changes in matrix metalloproteinases and their inhibitors during interferon-beta treatment in multiple sclerosis. <i>Clinical Immunology</i> , 2009 , 130, 145-50	9	36
284	Proton magnetic resonance spectroscopy in primary and secondary progressive multiple sclerosis. <i>NMR in Biomedicine</i> , 2000 , 13, 57-63	4.4	36
283	Radiologically Isolated Syndrome: 10-Year Risk Estimate of a Clinical Event. <i>Annals of Neurology</i> , 2020 , 88, 407-417	9.4	35
282	Semaphorins 3A and 7A: potential immune and neuroregenerative targets in multiple sclerosis. <i>Trends in Molecular Medicine</i> , 2013 , 19, 157-64	11.5	35
281	Considerations on discontinuing natalizumab for the treatment of multiple sclerosis. <i>Annals of Neurology</i> , 2010 , 68, 409-11	9.4	35
280	Cognitive impairment in early stages of multiple sclerosis is associated with high cerebrospinal fluid levels of chitinase 3-like 1 and neurofilament light chain. <i>European Journal of Neurology</i> , 2018 , 25, 1189-1191	6	35
279	Safety and efficacy of daclizumab in relapsing-remitting multiple sclerosis: 3-year results from the SELECTED open-label extension study. <i>BMC Neurology</i> , 2016 , 16, 117	3.1	34
278	Interferon β for the treatment of primary progressive multiple sclerosis: five-year clinical trial follow-up. <i>Archives of Neurology</i> , 2011 , 68, 1421-7		34
277	Five years of ocrelizumab in relapsing multiple sclerosis: OPERA studies open-label extension. <i>Neurology</i> , 2020 , 95, e1854-e1867	6.5	34

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