

Ludwig Kappos

List of Publications by Year in Descending Order

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The third column is the impact factor (IF) of the journal, and the fourth column is the number of citations of the article.

471
papers

51,754
citations

91
h-index

222
g-index

507
ext. papers

61,473
ext. citations

9.5
avg. IF

7.17
L-index

#	Paper	IF	Citations
471	Bundle Myelin Fraction (BMF) Mapping of Different White Matter Connections Using Microstructure Informed Tractography.. <i>NeuroImage</i> , 2022 , 118922	7.9	2
470	Body mass index as a predictor of MS activity and progression among participants in BENEFIT.. <i>Multiple Sclerosis Journal</i> , 2022 , 13524585211061861	5	1
469	The risk of infections for multiple sclerosis and neuromyelitis optica spectrum disorder disease-modifying treatments: Eighth European Committee for Treatment and Research in Multiple Sclerosis Focused Workshop Review. April 2021.. <i>Multiple Sclerosis Journal</i> , 2022 , 13524585211069068	5	1
468	Multiple Sclerosis Relapses Following Cessation of Fingolimod.. <i>Clinical Drug Investigation</i> , 2022 , 42, 3553.2		1
467	Immunological predictors of dimethyl fumarate-induced lymphopenia.. <i>Annals of Neurology</i> , 2022 ,	9.4	3
466	Prognostic Value of Serum Neurofilament Light Chain for Disease Activity and Worsening in Patients With Relapsing Multiple Sclerosis: Results From the Phase 3 ASCLEPIOS I and II Trials.. <i>Frontiers in Immunology</i> , 2022 , 13, 852563	8.4	1
465	Safety experience with continued exposure to ofatumumab in patients with relapsing forms of multiple sclerosis for up to 3.5 years.. <i>Multiple Sclerosis Journal</i> , 2022 , 13524585221079731	5	0
464	Effects of Dimethyl Fumarate on Brain Atrophy in Relapsing-Remitting Multiple Sclerosis: Pooled Analysis Phase 3 DEFINE and CONFIRM Studies.. <i>Frontiers in Neurology</i> , 2022 , 13, 809273	4.1	
463	Serum neurofilament light chain for individual prognostication of disease activity in people with multiple sclerosis: a retrospective modelling and validation study.. <i>Lancet Neurology</i> , 2022 , 21, 246-257	24.1	16
462	Efficacy and safety of ofatumumab in recently diagnosed, treatment-naive patients with multiple sclerosis: Results from ASCLEPIOS I and II.. <i>Multiple Sclerosis Journal</i> , 2022 , 13524585221078825	5	1
461	Effect of siponimod on magnetic resonance imaging measures of neurodegeneration and myelination in secondary progressive multiple sclerosis: Gray matter atrophy and magnetization transfer ratio analyses from the EXPAND phase 3 trial.. <i>Multiple Sclerosis Journal</i> , 2022 , 13524585221076717	5	2
460	Multiple Sclerosis Severity Score (MSSS) improves the accuracy of individualized prediction in MS.. <i>Multiple Sclerosis Journal</i> , 2022 , 13524585221084577	5	0
459	Long-term efficacy and safety of siponimod in patients with secondary progressive multiple sclerosis: Analysis of EXPAND core and extension data up to >5 years.. <i>Multiple Sclerosis Journal</i> , 2022 , 13524585221083194	5	2
458	Effects of teriflunomide treatment on cognitive performance and brain volume in patients with relapsing multiple sclerosis: Post hoc analysis of the TEMSO core and extension studies.. <i>Multiple Sclerosis Journal</i> , 2022 , 13524585221089534	5	0
457	021 Determinants of natalizumab-associated PML outcomes. <i>Journal of Neurology, Neurosurgery and Psychiatry</i> , 2022 , 93, A20.1-A20	5.5	
456	034 Updated safety analysis of ocrelizumab in multiple sclerosis. <i>Journal of Neurology, Neurosurgery and Psychiatry</i> , 2022 , 93, A24.1-A24	5.5	
455	023 Relapse outcomes with natalizumab Q4W vs switch to Q6W. <i>Journal of Neurology, Neurosurgery and Psychiatry</i> , 2022 , 93, A20.3-A21	5.5	

454	018 Disease control beyond NEDA: the value of non-clinical measures to determine treatment response to natalizumab. <i>Journal of Neurology, Neurosurgery and Psychiatry</i> , 2022 , 93, A19.1-A19	5.5	
453	116 Serum immunoglobulin levels and infection risk in Phase 3 ofatumumab trials in relapsing multiple sclerosis. <i>Journal of Neurology, Neurosurgery and Psychiatry</i> , 2022 , 93, A137.2-A137	5.5	
452	020 Long-term efficacy of ocrelizumab in relapsing multiple sclerosis: 6 study years. <i>Journal of Neurology, Neurosurgery and Psychiatry</i> , 2022 , 93, A19.3-A20	5.5	
451	Siponimod and Cognition in Secondary Progressive Multiple Sclerosis: EXPAND Secondary Analyses. <i>Neurology</i> , 2021 , 96, e376-e386	6.5	26
450	Additive and interaction effects of working memory and motor sequence training on brain functional connectivity. <i>Scientific Reports</i> , 2021 , 11, 23089	4.9	1
449	Safety and efficacy of teriflunomide in paediatric multiple sclerosis (TERIKIDS): a multicentre, double-blind, phase 3, randomised, placebo-controlled trial. <i>Lancet Neurology, The</i> , 2021 , 20, 1001-1011	24.1	5
448	Measuring treatment response to advance precision medicine for multiple sclerosis. <i>Annals of Clinical and Translational Neurology</i> , 2021 , 8, 2166-2173	5.3	2
447	Development, validation and clinical usefulness of a prognostic model for relapse in relapsing-remitting multiple sclerosis. <i>Diagnostic and Prognostic Research</i> , 2021 , 5, 17	5.5	1
446	Siponimod: Disentangling disability and relapses in secondary progressive multiple sclerosis. <i>Multiple Sclerosis Journal</i> , 2021 , 27, 1564-1576	5	8
445	Disability improvement as a clinically relevant outcome in clinical trials of relapsing forms of multiple sclerosis. <i>Multiple Sclerosis Journal</i> , 2021 , 27, 2219-2231	5	2
444	Diagnosis of Progressive Multiple Sclerosis From the Imaging Perspective: A Review. <i>JAMA Neurology</i> , 2021 , 78, 351-364	17.2	11
443	Myelin and axon pathology in multiple sclerosis assessed by myelin water and multi-shell diffusion imaging. <i>Brain</i> , 2021 , 144, 1684-1696	11.2	15
442	GAMER-MRI in Multiple Sclerosis Identifies the Diffusion-Based Microstructural Measures That Are Most Sensitive to Focal Damage: A Deep-Learning-Based Analysis and Clinico-Biological Validation. <i>Frontiers in Neuroscience</i> , 2021 , 15, 647535	5.1	1
441	MAGNIMS score predicts long-term clinical disease activity-free status and confirmed disability progression in patients treated with subcutaneous interferon beta-1a. <i>Multiple Sclerosis and Related Disorders</i> , 2021 , 49, 102790	4	1
440	Disease-modifying therapies and SARS-CoV-2 vaccination in multiple sclerosis: an expert consensus. <i>Journal of Neurology</i> , 2021 , 268, 3961-3968	5.5	26
439	Artificial intelligence extension of the OSCAR-IB criteria. <i>Annals of Clinical and Translational Neurology</i> , 2021 , 8, 1528-1542	5.3	3
438	Practice Effects of Mobile Tests of Cognition, Dexterity, and Mobility on Patients With Multiple Sclerosis: Data Analysis of a Smartphone-Based Observational Study. <i>Journal of Medical Internet Research</i> , 2021 , 23, e30394	7.6	2
437	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

436	Risk of requiring a walking aid after 6.5 years of ocrelizumab treatment in patients with relapsing multiple sclerosis: Data from the OPERA I and OPERA II trials. <i>European Journal of Neurology</i> , 2021 ,	6	3
435	Quantitative magnetic resonance imaging towards clinical application in multiple sclerosis. <i>Brain</i> , 2021 , 144, 1296-1311	11.2	12
434	Risk of requiring a wheelchair in primary progressive multiple sclerosis: Data from the ORATORIO trial and the MSBase registry. <i>European Journal of Neurology</i> , 2021 ,	6	6
433	Syndrome of inappropriate antidiuretic hormone secretion and hypothalamic hypocortisolism in neuromyelitis optica. <i>Lancet, The</i> , 2021 , 397, 2194	40	
432	Ozanimod in relapsing multiple sclerosis: Pooled safety results from the clinical development program. <i>Multiple Sclerosis and Related Disorders</i> , 2021 , 51, 102844	4	3
431	Intrathecal Immunoglobulin M Synthesis is an Independent Biomarker for Higher Disease Activity and Severity in Multiple Sclerosis. <i>Annals of Neurology</i> , 2021 , 90, 477-489	9.4	6
430	Chronic White Matter Inflammation and Serum Neurofilament Levels in Multiple Sclerosis. <i>Neurology</i> , 2021 , 97, e543-e553	6.5	14
429	Disability progression multiple sclerosis patients on fingolimod versus interferon-beta/glatiramer acetate. <i>Multiple Sclerosis Journal</i> , 2021 , 27, 439-448	5	2
428	Clinical outcomes in patients who discontinue natalizumab therapy after 2 years in the Tysabri Observational Program (TOP). <i>Multiple Sclerosis Journal</i> , 2021 , 27, 410-419	5	5
427	The introduction of new medications in pediatric multiple sclerosis: Open issues and challenges. <i>Multiple Sclerosis Journal</i> , 2021 , 27, 479-482	5	2
426	Real-world disability improvement in patients with relapsing-remitting multiple sclerosis treated with natalizumab in the Tysabri Observational Program. <i>Multiple Sclerosis Journal</i> , 2021 , 27, 719-728	5	4
425	Comparative analysis of dimethyl fumarate and fingolimod in relapsing-remitting multiple sclerosis. <i>Journal of Neurology</i> , 2021 , 268, 941-949	5.5	7
424	Combination of teriflunomide and interferon as follow-up therapy after fingolimod-associated PML. <i>Neurology: Neuroimmunology and NeuroInflammation</i> , 2021 , 8,	9.1	2
423	Ocrelizumab in relapsing and primary progressive multiple sclerosis: Pharmacokinetic and pharmacodynamic analyses of OPERA I, OPERA II and ORATORIO. <i>British Journal of Clinical Pharmacology</i> , 2021 , 87, 2511-2520	3.8	18
422	Effect of Ozanimod on Symbol Digit Modalities Test Performance in Relapsing MS. <i>Multiple Sclerosis and Related Disorders</i> , 2021 , 48, 102673	4	3
421	Biomarkers of treatment response in patients with progressive multiple sclerosis treated with high-dose pharmaceutical-grade biotin (MD1003). <i>Brain and Behavior</i> , 2021 , 11, e01998	3.4	0
420	Serum neurofilament light chain as outcome marker for intensive care unit patients. <i>Journal of Neurology</i> , 2021 , 268, 1323-1329	5.5	2
419	Standardization and digitization of clinical data in multiple sclerosis. <i>Nature Reviews Neurology</i> , 2021 , 17, 119-125	15	3

418	Serum Neurofilament Light Chain Levels in the Intensive Care Unit: Comparison between Severely Ill Patients with and without Coronavirus Disease 2019. <i>Annals of Neurology</i> , 2021 , 89, 610-616	9.4	29
417	Development and evaluation of a manual segmentation protocol for deep grey matter in multiple sclerosis: Towards accelerated semi-automated references. <i>NeuroImage: Clinical</i> , 2021 , 30, 102659	5.3	0
416	Presence of SARS-CoV-2 Transcripts in the Choroid Plexus of MS and Non-MS Patients With COVID-19. <i>Neurology: Neuroimmunology and NeuroInflammation</i> , 2021 , 8,	9.1	12
415	Safety and efficacy of daclizumab beta in patients with relapsing multiple sclerosis in a 5-year open-label study (EXTEND): final results following early termination. <i>Therapeutic Advances in Neurological Disorders</i> , 2021 , 14, 1756286420987941	6.6	0
414	Classification of multiple sclerosis based on patterns of CNS regional atrophy covariance. <i>Human Brain Mapping</i> , 2021 , 42, 2399-2415	5.9	3
413	Impact of complement activation on clinical outcomes in multiple sclerosis. <i>Annals of Clinical and Translational Neurology</i> , 2021 , 8, 944-950	5.3	1
412	Imaging multiple sclerosis pathology at 160 μ m isotropic resolution by human whole-brain ex vivo magnetic resonance imaging at 3T. <i>Scientific Reports</i> , 2021 , 11, 15491	4.9	2
411	Baseline characteristics and effects of fingolimod on cognitive performance in patients with relapsing-remitting multiple sclerosis. <i>European Journal of Neurology</i> , 2021 , 28, 4135-4145	6	0
410	Sustained reduction of serum neurofilament light chain over 7 years by alemtuzumab in early relapsing-remitting MS. <i>Multiple Sclerosis Journal</i> , 2021 , 13524585211032348	5	3
409	Quantification of Cervical Cord Cross-Sectional Area: Which Acquisition, Vertebra Level, and Analysis Software? A Multicenter Repeatability Study on a Traveling Healthy Volunteer. <i>Frontiers in Neurology</i> , 2021 , 12, 693333	4.1	1
408	No consensus about consensus?. <i>Neurological Research and Practice</i> , 2021 , 3, 46	3.2	3
407	Regional Cerebellar Volume Loss Predicts Future Disability in Multiple Sclerosis Patients. <i>Cerebellum</i> , 2021 , 1	4.3	1
406	Plasma neurofilament light chain concentrations as a biomarker of clinical and radiologic outcomes in relapsing multiple sclerosis: Post hoc analysis of Phase 3 ozanimod trials. <i>European Journal of Neurology</i> , 2021 , 28, 3722-3730	6	2
405	2021 MAGNIMS-CMSC-NAIMS consensus recommendations on the use of MRI in patients with multiple sclerosis. <i>Lancet Neurology</i> , <i>The</i> , 2021 , 20, 653-670	24.1	44
404	Long-term safety and efficacy of dimethyl fumarate for up to 13 years in patients with relapsing-remitting multiple sclerosis: Final ENDORSE study results. <i>Multiple Sclerosis Journal</i> , 2021 , 1352458521103790	5.5	7
403	Longitudinal machine learning modeling of MS patient trajectories improves predictions of disability progression. <i>Computer Methods and Programs in Biomedicine</i> , 2021 , 208, 106180	6.9	2
402	Central nervous system atrophy predicts future dynamics of disability progression in a real-world multiple sclerosis cohort. <i>European Journal of Neurology</i> , 2021 , 28, 4153-4166	6	3
401	Microstructure-Weighted Connectomics in Multiple Sclerosis. <i>Brain Connectivity</i> , 2021 ,	2.7	1

400	Safety of Ocrelizumab in Patients With Relapsing and Primary Progressive Multiple Sclerosis. <i>Neurology</i> , 2021 , 97, e1546-e1559	6.5	14
399	GAMER MRI: Gated-attention mechanism ranking of multi-contrast MRI in brain pathology. <i>NeuroImage: Clinical</i> , 2021 , 29, 102522	5.3	1
398	Fingolimod in children with Rett syndrome: the FINGORETT study. <i>Orphanet Journal of Rare Diseases</i> , 2021 , 16, 19	4.2	4
397	No evidence for loss of natalizumab effectiveness with every-6-week dosing: a propensity score-matched comparison with every-4-week dosing in patients enrolled in the Tysabri Observational Program (TOP). <i>Therapeutic Advances in Neurological Disorders</i> , 2021 , 14, 17562864211042458	6.6	2
396	Improving Accuracy of Brainstem MRI Volumetry: Effects of Age and Sex, and Normalization Strategies. <i>Frontiers in Neuroscience</i> , 2020 , 14, 609422	5.1	
395	Levels of brain-derived neurotrophic factor in patients with multiple sclerosis. <i>Annals of Clinical and Translational Neurology</i> , 2020 , 7, 2251-2261	5.3	4
394	Xenogeneic Neu5Gc and self-glycan Neu5Ac epitopes are potential immune targets in MS. <i>Neurology: Neuroimmunology and NeuroInflammation</i> , 2020 , 7,	9.1	5
393	Safety and efficacy of delayed-release dimethyl fumarate in patients with relapsing-remitting multiple sclerosis: 9 years follow-up of DEFINE, CONFIRM, and ENDORSE. <i>Therapeutic Advances in Neurological Disorders</i> , 2020 , 13, 1756286420915005	6.6	25
392	Plasma neurofilament light levels are associated with risk of disability in multiple sclerosis. <i>Neurology</i> , 2020 , 94, e2457-e2467	6.5	29
391	Aggressive multiple sclerosis (1): Towards a definition of the phenotype. <i>Multiple Sclerosis Journal</i> , 2020 , 1352458520925369	5	14
390	Contribution of Relapse-Independent Progression vs Relapse-Associated Worsening to Overall Confirmed Disability Accumulation in Typical Relapsing Multiple Sclerosis in a Pooled Analysis of 2 Randomized Clinical Trials. <i>JAMA Neurology</i> , 2020 , 77, 1132-1140	17.2	72
389	White matter lesion location correlates with disability in relapsing multiple sclerosis. <i>Multiple Sclerosis Journal - Experimental, Translational and Clinical</i> , 2020 , 6, 2055217320906844	2	2
388	Efficacy of inpatient personalized multidisciplinary rehabilitation in multiple sclerosis: behavioural and functional imaging results. <i>Journal of Neurology</i> , 2020 , 267, 1744-1753	5.5	2
387	Growth differentiation factor 15 is increased in stable MS. <i>Neurology: Neuroimmunology and NeuroInflammation</i> , 2020 , 7,	9.1	4
386	Reduced accuracy of MRI deep grey matter segmentation in multiple sclerosis: an evaluation of four automated methods against manual reference segmentations in a multi-center cohort. <i>Journal of Neurology</i> , 2020 , 267, 3541-3554	5.5	8
385	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
384	Longitudinal patterns of cortical thinning in multiple sclerosis. <i>Human Brain Mapping</i> , 2020 , 41, 2198-2215	5.9	14
383	Volume loss in the deep gray matter and thalamic subnuclei: a longitudinal study on disability progression in multiple sclerosis. <i>Journal of Neurology</i> , 2020 , 267, 1536-1546	5.5	15

382	Advances in oral immunomodulating therapies in relapsing multiple sclerosis. <i>Lancet Neurology, The</i> , 2020 , 19, 336-347	24.1	54
381	Blood neurofilament light levels segregate treatment effects in multiple sclerosis. <i>Neurology</i> , 2020 , 94, e1201-e1212	6.5	46
380	Long-term safety and effectiveness of natalizumab treatment in clinical practice: 10 years of real-world data from the Tysabri Observational Program (TOP). <i>Journal of Neurology, Neurosurgery and Psychiatry</i> , 2020 , 91, 660-668	5.5	39
379	Autoencoder as a New Method for Maintaining Data Privacy While Analyzing Videos of Patients With Motor Dysfunction: Proof-of-Concept Study. <i>Journal of Medical Internet Research</i> , 2020 , 22, e16669	7.6	1
378	Neurofilament light levels are associated with long-term outcomes in multiple sclerosis. <i>Multiple Sclerosis Journal</i> , 2020 , 26, 1691-1699	5	35
377	Video-Based Pairwise Comparison: Enabling the Development of Automated Rating of Motor Dysfunction in Multiple Sclerosis. <i>Archives of Physical Medicine and Rehabilitation</i> , 2020 , 101, 234-241	2.8	2
376	Evolution of Cortical and White Matter Lesion Load in Early-Stage Multiple Sclerosis: Correlation With Neuroaxonal Damage and Clinical Changes. <i>Frontiers in Neurology</i> , 2020 , 11, 973	4.1	2
375	Muscle stiffness, gait instability, and liver cirrhosis in Wilson's disease. <i>Lancet, The</i> , 2020 , 396, 990	40	
374	Five years of ocrelizumab in relapsing multiple sclerosis: OPERA studies open-label extension. <i>Neurology</i> , 2020 , 95, e1854-e1867	6.5	34
373	Laminar analysis of the cerebellar cortex shows widespread damage in early MS patients: A pilot study at 7T MRI. <i>Multiple Sclerosis Journal - Experimental, Translational and Clinical</i> , 2020 , 6, 2055217320961409 ⁰	3.6	14
372	Ofatumumab versus Teriflunomide in Multiple Sclerosis. <i>New England Journal of Medicine</i> , 2020 , 383, 546-557	59.2	132
371	Long-term safety and efficacy of teriflunomide in patients with relapsing multiple sclerosis: Results from the TOWER extension study. <i>Multiple Sclerosis and Related Disorders</i> , 2020 , 46, 102438	4	7
370	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, The</i> , 2020 , 19, 998-1009	24.1	38
369	Delay from treatment start to full effect of immunotherapies for multiple sclerosis. <i>Brain</i> , 2020 , 143, 2742-2756	11.2	8
368	Long-term prognostic value of longitudinal measurements of blood neurofilament levels. <i>Neurology: Neuroimmunology and Neuroinflammation</i> , 2020 , 7,	9.1	11
367	Setwise comparison: efficient fine-grained rating of movement videos using algorithmic support - a proof of concept study. <i>Disability and Rehabilitation</i> , 2020 , 42, 2640-2646	2.4	1
366	Electronic Neurostatus-EDSS increases the quality of expanded disability status scale assessments: Experience from two phase 3 clinical trials. <i>Multiple Sclerosis Journal</i> , 2020 , 26, 993-996	5	4
365	Association of brain volume loss and long-term disability outcomes in patients with multiple sclerosis treated with teriflunomide. <i>Multiple Sclerosis Journal</i> , 2020 , 26, 1207-1216	5	12

364	New and enlarging white matter lesions adjacent to the ventricle system and thalamic atrophy are independently associated with lateral ventricular enlargement in multiple sclerosis. <i>Journal of Neurology</i> , 2020 , 267, 192-202	5.5	5
363	Short timescale modulation of cortical and cerebellar activity in the early phase of motor sequence learning: an fMRI study. <i>Brain Imaging and Behavior</i> , 2020 , 14, 2159-2175	4.1	3
362	The ACROSS study: Long-term efficacy of fingolimod in patients with relapsing-remitting multiple sclerosis. <i>Multiple Sclerosis Journal - Experimental, Translational and Clinical</i> , 2020 , 6, 2055217320907951 ²		1
361	Vitamin D, smoking, EBV, and long-term cognitive performance in MS: 11-year follow-up of BENEFIT. <i>Neurology</i> , 2020 , 94, e1950-e1960	6.5	10
360	Monitoring of radiologic disease activity by serum neurofilaments in MS. <i>Neurology: Neuroimmunology and NeuroInflammation</i> , 2020 , 7,	9.1	16
359	PML with dimethyl fumarate-No convincing case against natalizumab. <i>Multiple Sclerosis Journal</i> , 2019 , 25, 1687-1688	5	1
358	Chronic white matter lesion activity predicts clinical progression in primary progressive multiple sclerosis. <i>Brain</i> , 2019 , 142, 2787-2799	11.2	64
357	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
356	Hereditary defect of cobalamin metabolism with adolescence onset resembling multiple sclerosis: 41-year follow up in two cases. <i>Therapeutic Advances in Neurological Disorders</i> , 2019 , 12, 1756286419872115	6.6	3
355	Onset of clinical and MRI efficacy of ocrelizumab in relapsing multiple sclerosis. <i>Neurology</i> , 2019 , 93, e1778-e1786	6.5	22
354	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
353	Clinical associations of T2-weighted lesion load and lesion location in small vessel disease: Insights from a large prospective cohort study. <i>NeuroImage</i> , 2019 , 189, 727-733	7.9	4
352	Ocrelizumab infusion experience in patients with relapsing and primary progressive multiple sclerosis: Results from the phase 3 randomized OPERA I, OPERA II, and ORATORIO studies. <i>Multiple Sclerosis and Related Disorders</i> , 2019 , 30, 236-243	4	42
351	Spinal cord involvement in multiple sclerosis and neuromyelitis optica spectrum disorders. <i>Lancet Neurology, The</i> , 2019 , 18, 185-197	24.1	74
350	Long-term outcomes with teriflunomide in patients with clinically isolated syndrome: Results of the TOPIC extension study. <i>Multiple Sclerosis and Related Disorders</i> , 2019 , 33, 131-138	4	12
349	Diagnostic Value of Cerebrospinal Fluid Neurofilament Light Protein in Neurology: A Systematic Review and Meta-analysis. <i>JAMA Neurology</i> , 2019 , 76, 1035-1048	17.2	237
348	Accurate, rapid and reliable, fully automated MRI brainstem segmentation for application in multiple sclerosis and neurodegenerative diseases. <i>Human Brain Mapping</i> , 2019 , 40, 4091-4104	5.9	10
347	A case of progressive multifocal leukoencephalopathy under dimethyl fumarate treatment without severe lymphopenia or immunosenescence. <i>Multiple Sclerosis Journal</i> , 2019 , 25, 1682-1685	5	25

346	Blood neurofilament light as a potential endpoint in Phase 2 studies in MS. <i>Annals of Clinical and Translational Neurology</i> , 2019 , 6, 1081-1089	5.3	28
345	Damage of the lateral geniculate nucleus in MS: Assessing the missing node of the visual pathway. <i>Neurology</i> , 2019 , 92, e2240-e2249	6.5	19
344	Antigen Extraction and B Cell Activation Enable Identification of Rare Membrane Antigen Specific Human B Cells. <i>Frontiers in Immunology</i> , 2019 , 10, 829	8.4	9
343	Effect of dimethyl fumarate on lymphocytes in RRMS: Implications for clinical practice. <i>Neurology</i> , 2019 , 92, e1724-e1738	6.5	48
342	Blood neurofilament light chain as a biomarker of MS disease activity and treatment response. <i>Neurology</i> , 2019 , 92, e1007-e1015	6.5	191
341	Efficacy and safety of ozanimod in multiple sclerosis: Dose-blinded extension of a randomized phase II study. <i>Multiple Sclerosis Journal</i> , 2019 , 25, 1255-1262	5	24
340	Preferential spinal cord volume loss in primary progressive multiple sclerosis. <i>Multiple Sclerosis Journal</i> , 2019 , 25, 947-957	5	31
339	Association Between Serum Neurofilament Light Chain Levels and Long-term Disease Course Among Patients With Multiple Sclerosis Followed up for 12 Years. <i>JAMA Neurology</i> , 2019 , 76, 1359-1366 ^{17.2}	17.2	67
338	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
337	Extended treatment with fingolimod for relapsing multiple sclerosis: the 14-year LONGTERMS study results. <i>Therapeutic Advances in Neurological Disorders</i> , 2019 , 12, 1756286419878324	6.6	31
336	Automatic Spinal Cord Gray Matter Quantification: A Novel Approach. <i>American Journal of Neuroradiology</i> , 2019 , 40, 1592-1600	4.4	7
335	No evidence of disease activity status in patients treated with early vs. delayed subcutaneous interferon β 1a. <i>Multiple Sclerosis and Related Disorders</i> , 2019 , 39, 101891	4	1
334	Impact of informative censoring on the treatment effect estimate of disability worsening in multiple sclerosis clinical trials. <i>Multiple Sclerosis and Related Disorders</i> , 2019 , 39, 101865	4	3
333	Ocrelizumab efficacy in subgroups of patients with relapsing multiple sclerosis. <i>Journal of Neurology</i> , 2019 , 266, 1182-1193	5.5	28
332	Hepatitis E virus infections in patients with MS on oral disease-modifying treatment. <i>Neurology: Neuroimmunology and NeuroInflammation</i> , 2019 , 6,	9.1	5
331	PARP-1 deregulation in multiple sclerosis. <i>Multiple Sclerosis Journal - Experimental, Translational and Clinical</i> , 2019 , 5, 2055217319894604	2	7
330	MRI-based prediction of conversion from clinically isolated syndrome to clinically definite multiple sclerosis using SVM and lesion geometry. <i>Brain Imaging and Behavior</i> , 2019 , 13, 1361-1374	4.1	14
329	Tasks of activities of daily living (ADL) are more valuable than the classical neurological examination to assess upper extremity function and mobility in multiple sclerosis. <i>Multiple Sclerosis Journal</i> , 2019 , 25, 1673-1681	5	3

328	Design and construction of an innovative brain phantom prototype for MRI. <i>Magnetic Resonance in Medicine</i> , 2019 , 81, 1165-1171	4.4	9
327	Unraveling treatment response in multiple sclerosis: A clinical and MRI challenge. <i>Neurology</i> , 2019 , 92, 180-192	6.5	50
326	Slowly expanding/evolving lesions as a magnetic resonance imaging marker of chronic active multiple sclerosis lesions. <i>Multiple Sclerosis Journal</i> , 2019 , 25, 1915-1925	5	57
325	Comparison of fingolimod, dimethyl fumarate and teriflunomide for multiple sclerosis. <i>Journal of Neurology, Neurosurgery and Psychiatry</i> , 2019 , 90, 458-468	5.5	46
324	Association of Rituximab Treatment With Disability Progression Among Patients With Secondary Progressive Multiple Sclerosis. <i>JAMA Neurology</i> , 2019 , 76, 274-281	17.2	33
323	Learning ability correlates with brain atrophy and disability progression in RRMS. <i>Journal of Neurology, Neurosurgery and Psychiatry</i> , 2019 , 90, 38-43	5.5	11
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317	Comparative analysis of natalizumab versus fingolimod as second-line treatment in relapsing-remitting multiple sclerosis. <i>Multiple Sclerosis Journal</i> , 2018 , 24, 777-785	5	33
316	Radiologically isolated syndrome or subclinical multiple sclerosis: MAGNIMS consensus recommendations. <i>Multiple Sclerosis Journal</i> , 2018 , 24, 214-221	5	43
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314	Diagnosis of multiple sclerosis: 2017 revisions of the McDonald criteria. <i>Lancet Neurology</i> , 2018 , 17, 162-173	24.1	2419
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312	Fingolimod effect on gray matter, thalamus, and white matter in patients with multiple sclerosis. <i>Neurology</i> , 2018 , 90, e1324-e1332	6.5	31
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304	Two-year results from a phase 2 extension study of oral amiselimod in relapsing multiple sclerosis. <i>Multiple Sclerosis Journal</i> , 2018 , 24, 1605-1616	5	19
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195	Comparison between balanced steady-state free precession and standard spoiled gradient echo magnetization transfer ratio imaging in multiple sclerosis: methodical and clinical considerations. <i>NeuroImage</i> , 2015 , 108, 87-94	7.9	4
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178	First-dose effects of fingolimod: Pooled safety data from three phase 3 studies. <i>Multiple Sclerosis and Related Disorders</i> , 2014 , 3, 629-38	4	58
177	The relationship between total and regional corpus callosum atrophy, cognitive impairment and fatigue in multiple sclerosis patients. <i>Multiple Sclerosis Journal</i> , 2014 , 20, 356-64	5	60
176	Combined visual and motor evoked potentials predict multiple sclerosis disability after 20 years. <i>Multiple Sclerosis Journal</i> , 2014 , 20, 1348-54	5	35
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173	Multiple sclerosis registries in Europe - results of a systematic survey. <i>Multiple Sclerosis Journal</i> , 2014 , 20, 1523-32	5	43
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