

# Douglas L Arnold

## List of Publications by Year in descending order

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316  
papers

29,784  
citations

7251

80  
h-index

6512

162  
g-index

326  
all docs

326  
docs citations

326  
times ranked

19898  
citing authors

#	ARTICLE	IF	CITATIONS
1	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> , 2022, 28, 801-816.	1.4	26
2	Propagating Uncertainty Across Cascaded Medical Imaging Tasks for Improved Deep Learning Inference. <i>IEEE Transactions on Medical Imaging</i> , 2022, 41, 360-373.	5.4	12
3	Early treatment responses to peginterferon beta-1a are associated with longer-term clinical outcomes in patients with relapsing-remitting multiple sclerosis: Subgroup analyses of ADVANCE and ATTAIN. <i>Multiple Sclerosis and Related Disorders</i> , 2022, 57, 103367.	0.9	2
4	Metagenomic Analysis of the Pediatric-Onset Multiple Sclerosis Gut Microbiome. <i>Neurology</i> , 2022, 98, .	1.5	15
5	How patients with multiple sclerosis acquire disability. <i>Brain</i> , 2022, 145, 3147-3161.	3.7	126
6	Patterns of white and gray structural abnormality associated with paediatric demyelinating disorders. <i>NeuroImage: Clinical</i> , 2022, 34, 103001.	1.4	0
7	Efficacy and Safety Outcomes with Diroximel Fumarate After Switching from Prior Therapies or Continuing on DRF: Results from the Phase 3 EVOLVE-MS-1 Study. <i>Advances in Therapy</i> , 2022, 39, 1810-1831.	1.3	16
8	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.	2.2	18
9	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.	1.1	2
10	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, 28, 1526-1540.	1.4	16
11	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, 28, 1591-1605.	1.4	19
12	Progressive retinal changes in pediatric multiple sclerosis. <i>Multiple Sclerosis and Related Disorders</i> , 2022, 61, 103761.	0.9	2
13	Diffusely abnormal white matter converts to T2 lesion volume in the absence of MRI-detectable acute inflammation. <i>Brain</i> , 2022, 145, 2008-2017.	3.7	5
14	Serum MOG-IgG in children meeting multiple sclerosis diagnostic criteria. <i>Multiple Sclerosis Journal</i> , 2022, 28, 1697-1709.	1.4	12
15	Siponimod vs placebo in active secondary progressive multiple sclerosis: a post hoc analysis from the phase 3 EXPAND study. <i>Journal of Neurology</i> , 2022, 269, 5093-5104.	1.8	7
16	Ocrelizumab reduces thalamic volume loss in patients with RMS and PPMS. <i>Multiple Sclerosis Journal</i> , 2022, 28, 1927-1936.	1.4	10
17	Long-term safety and efficacy of ozanimod in relapsing multiple sclerosis: Up to 5 years of follow-up in the DAYBREAK open-label extension trial. <i>Multiple Sclerosis Journal</i> , 2022, 28, 1944-1962.	1.4	16
18	Chronic lesion activity and disability progression in secondary progressive multiple sclerosis. <i>BMJ Neurology Open</i> , 2022, 4, e000240.	0.7	12

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19	Temporal profile of serum neurofilament light in multiple sclerosis: Implications for patient monitoring. <i>Multiple Sclerosis Journal</i> , 2021, 27, 1497-1505.	1.4	23
20	Temporal profile of lymphocyte counts and relationship with infections with fingolimod therapy in paediatric patients with multiple sclerosis: Results from the PARADIGMS study. <i>Multiple Sclerosis Journal</i> , 2021, 27, 922-932.	1.4	5
21	Silent New Brain MRI Lesions in Children with MOGâ€Antibody Associated Disease. <i>Annals of Neurology</i> , 2021, 89, 408-413.	2.8	33
22	Effect of Ozanimod on Symbol Digit Modalities Test Performance in Relapsing MS. <i>Multiple Sclerosis and Related Disorders</i> , 2021, 48, 102673.	0.9	20
23	Efficacy and Safety of 2 Fingolimod Doses vs Glatiramer Acetate for the Treatment of Patients With Relapsing-Remitting Multiple Sclerosis. <i>JAMA Neurology</i> , 2021, 78, 48.	4.5	11
24	Efficacy and safety of alemtuzumab over 6 years: final results of the 4-year CARE-MS extension trial. <i>Therapeutic Advances in Neurological Disorders</i> , 2021, 14, 175628642098213.	1.5	30
25	Cohort Bias Adaptation in Aggregated Datasets for Lesion Segmentation. <i>Lecture Notes in Computer Science</i> , 2021, , 101-111.	1.0	0
26	Characterisation of MS phenotypes across the age span using a novel data set integrating 34 clinical trials (NO.MS cohort): Age is a key contributor to presentation. <i>Multiple Sclerosis Journal</i> , 2021, 27, 2062-2076.	1.4	25
27	Abnormalities in normal-appearing white matter from which multiple sclerosis lesions arise. <i>Brain Communications</i> , 2021, 3, fcab176.	1.5	13
28	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, 175628642098794.	1.5	4
29	Pro-inflammatory adiponectin in pediatric-onset multiple sclerosis. <i>Multiple Sclerosis Journal</i> , 2021, 27, 1948-1959.	1.4	9
30	Identifying multiple sclerosis subtypes using unsupervised machine learning and MRI data. <i>Nature Communications</i> , 2021, 12, 2078.	5.8	112
31	Predicting disability progression and cognitive worsening in multiple sclerosis using patterns of grey matter volumes. <i>Journal of Neurology, Neurosurgery and Psychiatry</i> , 2021, 92, 995-1006.	0.9	20
32	Ozanimod in relapsing multiple sclerosis: Pooled safety results from the clinical development program. <i>Multiple Sclerosis and Related Disorders</i> , 2021, 51, 102844.	0.9	19
33	Secondary Progressive Multiple Sclerosis. <i>Neurology</i> , 2021, 97, 378-388.	1.5	100
34	Slowly expanding lesions are a marker of progressive MS â€“ No. <i>Multiple Sclerosis Journal</i> , 2021, 27, 1681-1683.	1.4	9
35	Safety and efficacy of tolebrutinib, an oral brain-penetrant BTK inhibitor, in relapsing multiple sclerosis: a phase 2b, randomised, double-blind, placebo-controlled trial. <i>Lancet Neurology</i> , The, 2021, 20, 729-738.	4.9	89
36	Brain volume change after high-dose immunosuppression and autologous hematopoietic cell transplantation for relapsing-remitting multiple sclerosis. <i>Multiple Sclerosis and Related Disorders</i> , 2021, 54, 103149.	0.9	3

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37	Comparison of Spinal Cord Magnetic Resonance Imaging Features Among Children With Acquired Demyelinating Syndromes. <i>JAMA Network Open</i> , 2021, 4, e2128871.	2.8	27
38	Assessing the differential sensitivities of wave-CAIPI ViSTa myelin water fraction and magnetization transfer saturation for efficiently quantifying tissue damage in MS. <i>Multiple Sclerosis and Related Disorders</i> , 2021, 56, 103309.	0.9	4
39	Safety and efficacy of teriflunomide in paediatric multiple sclerosis (TERIKIDS): a multicentre, double-blind, phase 3, randomised, placebo-controlled trial. <i>Lancet Neurology</i> , The, 2021, 20, 1001-1011.	4.9	36
40	Disrupted cognitive development following pediatric acquired demyelinating syndromes: a longitudinal study. <i>Child Neuropsychology</i> , 2021, , 1-22.	0.8	0
41	The gut microbiota in pediatric multiple sclerosis and demyelinating syndromes. <i>Annals of Clinical and Translational Neurology</i> , 2021, 8, 2252-2269.	1.7	34
42	Serial Anti-Myelin Oligodendrocyte Glycoprotein Antibody Analyses and Outcomes in Children With Demyelinating Syndromes. <i>JAMA Neurology</i> , 2020, 77, 82.	4.5	213
43	Exploring uncertainty measures in deep networks for Multiple sclerosis lesion detection and segmentation. <i>Medical Image Analysis</i> , 2020, 59, 101557.	7.0	216
44	Factors associated with health care utilization in pediatric multiple sclerosis. <i>Multiple Sclerosis and Related Disorders</i> , 2020, 38, 101511.	0.9	7
45	Diroximel fumarate (DRF) in patients with relapsing-remitting multiple sclerosis: Interim safety and efficacy results from the phase 3 EVOLVE-MS-1 study. <i>Multiple Sclerosis Journal</i> , 2020, 26, 1729-1739.	1.4	41
46	Deep learning segmentation of orbital fat to calibrate conventional MRI for longitudinal studies. <i>NeuroImage</i> , 2020, 208, 116442.	2.1	17
47	Natalizumab versus fingolimod for patients with active relapsing-remitting multiple sclerosis: results from REVEAL, a prospective, randomised head-to-head study. <i>BMJ Open</i> , 2020, 10, e038861.	0.8	16
48	Safety and efficacy of MD1003 (high-dose biotin) in patients with progressive multiple sclerosis (SPI2): a randomised, double-blind, placebo-controlled, phase 3 trial. <i>Lancet Neurology</i> , The, 2020, 19, 988-997.	4.9	64
49	Five years of ocrelizumab in relapsing multiple sclerosis. <i>Neurology</i> , 2020, 95, e1854-e1867.	1.5	81
50	Serum neurofilament light as a biomarker in progressive multiple sclerosis. <i>Neurology</i> , 2020, 95, 436-444.	1.5	100
51	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> , The, 2020, 19, 998-1009.	4.9	98
52	Patterning Chronic Active Demyelination in Slowly Expanding/Evolving White Matter MS Lesions. <i>American Journal of Neuroradiology</i> , 2020, 41, 1584-1591.	1.2	19
53	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, 175628642091500.	1.5	47
54	CNN Detection of New and Enlarging Multiple Sclerosis Lesions from Longitudinal Mri Using Subtraction Images. , 2020, , .		12

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55	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.	4.5	245
56	Brain volume loss in individuals over time: Source of variance and limits of detectability. <i>NeuroImage</i> , 2020, 214, 116737.	2.1	11
57	Increased mental health care use by mothers of children with multiple sclerosis. <i>Neurology</i> , 2020, 94, e1040-e1050.	1.5	10
58	Automated separation of diffusely abnormal white matter from focal white matter lesions on MRI in multiple sclerosis. <i>NeuroImage</i> , 2020, 213, 116690.	2.1	11
59	Effect of fingolimod on MRI outcomes in patients with paediatric-onset multiple sclerosis: results from the phase 3 PARADIGMS study. <i>Journal of Neurology, Neurosurgery and Psychiatry</i> , 2020, 91, 483-492.	0.9	26
60	Neurotoxicity after hematopoietic stem cell transplant in multiple sclerosis. <i>Annals of Clinical and Translational Neurology</i> , 2020, 7, 767-775.	1.7	20
61	Saliency Based Deep Neural Network for Automatic Detection of Gadolinium-Enhancing Multiple Sclerosis Lesions in Brain MRI. <i>Lecture Notes in Computer Science</i> , 2020, , 108-118.	1.0	2
62	Detection and clinical correlation of leukocortical lesions in pediatric-onset multiple sclerosis on multi-contrast MRI. <i>Multiple Sclerosis Journal</i> , 2019, 25, 980-986.	1.4	11
63	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.	1.4	37
64	Local Indicators of Spatial Autocorrelation (LISA): Application to Blind Noise-Based Perceptual Quality Metric Index for Magnetic Resonance Images. <i>Journal of Imaging</i> , 2019, 5, 20.	1.7	4
65	Safety and efficacy of opicinumab in patients with relapsing multiple sclerosis (SYNERGY): a randomised, placebo-controlled, phase 2 trial. <i>Lancet Neurology</i> , The, 2019, 18, 845-856.	4.9	110
66	Chronic white matter lesion activity predicts clinical progression in primary progressive multiple sclerosis. <i>Brain</i> , 2019, 142, 2787-2799.	3.7	136
67	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</i> , The, 2019, 18, 1009-1020.	4.9	191
68	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</i> , The, 2019, 18, 1021-1033.	4.9	184
69	Comparison of Multiple Sclerosis Cortical Lesion Types Detected by Multicontrast 3T and 7T MRI. <i>American Journal of Neuroradiology</i> , 2019, 40, 1162-1169.	1.2	34
70	White matter plasticity and maturation in human cognition. <i>Glia</i> , 2019, 67, 2020-2037.	2.5	31
71	High rates of health care utilization in pediatric multiple sclerosis: A Canadian population-based study. <i>PLoS ONE</i> , 2019, 14, e0218215.	1.1	15
72	Placebo-Controlled Trial of an Oral BTK Inhibitor in Multiple Sclerosis. <i>New England Journal of Medicine</i> , 2019, 380, 2406-2417.	13.9	219

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73	Effect of dimethyl fumarate on lymphocytes in RRMS. <i>Neurology</i> , 2019, 92, e1724-e1738.	1.5	66
74	A surfaceâ€”in gradient of thalamic damage evolves in pediatric multiple sclerosis. <i>Annals of Neurology</i> , 2019, 85, 340-351.	2.8	42
75	Imaging outcome measures of neuroprotection and repair in MS. <i>Neurology</i> , 2019, 92, 519-533.	1.5	53
76	CNN Prediction of Future Disease Activity for Multiple Sclerosis Patients from Baseline MRI and Lesion Labels. <i>Lecture Notes in Computer Science</i> , 2019, , 57-69.	1.0	4
77	Abnormal effector and regulatory T cell subsets in paediatric-onset multiple sclerosis. <i>Brain</i> , 2019, 142, 617-632.	3.7	72
78	056â€”...Efficacy and safety of the Brutonâ€”s tyrosine kinase inhibitor evobrutinib (M2951) in patients with relapsing multiple sclerosis over 48 weeks: a randomized, placebo-controlled, phase 2 study. <i>Journal of Neurology, Neurosurgery and Psychiatry</i> , 2019, 90, A18.2-A19.	0.9	1
79	High serum neurofilament light chain normalizes after hematopoietic stem cell transplantation for MS. <i>Neurology: Neuroimmunology and NeuroInflammation</i> , 2019, 6, e598.	3.1	50
80	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.	1.4	122
81	Infection risk with alemtuzumab decreases over time: pooled analysis of 6-year data from the CAMMS223, CARE-MS I, and CARE-MS II studies and the CAMMS03409 extension study. <i>Multiple Sclerosis Journal</i> , 2019, 25, 1605-1617.	1.4	57
82	Estimating and accounting for the effect of MRI scanner changes on longitudinal whole-brain volume change measurements. <i>NeuroImage</i> , 2019, 184, 555-565.	2.1	45
83	The contribution of secondhand tobacco smoke exposure to pediatric multiple sclerosis risk. <i>Multiple Sclerosis Journal</i> , 2019, 25, 515-522.	1.4	32
84	Propagating Uncertainty Across Cascaded Medical Imaging Tasks for Improved Deep Learning Inference. <i>Lecture Notes in Computer Science</i> , 2019, , 23-32.	1.0	5
85	MRI and laboratory features and the performance of international criteria in the diagnosis of multiple sclerosis in children and adolescents: a prospective cohort study. <i>The Lancet Child and Adolescent Health</i> , 2018, 2, 191-204.	2.7	86
86	No evidence of disease activity (NEDA) analysis by epochs in patients with relapsing multiple sclerosis treated with ocrelizumab vs interferon beta-1a. <i>Multiple Sclerosis Journal - Experimental, Translational and Clinical</i> , 2018, 4, 205521731876064.	0.5	32
87	Siponimod versus placebo in secondary progressive multiple sclerosis (EXPAND): a double-blind, randomised, phase 3 study. <i>Lancet, The</i> , 2018, 391, 1263-1273.	6.3	684
88	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.	4.9	238
89	Impact of immunoablation and autologous hematopoietic stem cell transplantation on gray and white matter atrophy in multiple sclerosis. <i>Multiple Sclerosis Journal</i> , 2018, 24, 1055-1066.	1.4	14
90	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.	1.4	26

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91	Standardized quality metric system for structural brain magnetic resonance images in multi-center neuroimaging study. BMC Medical Imaging, 2018, 18, 31.	1.4	2
92	Incidence and prevalence of MS in children. Neurology, 2018, 91, e1579-e1590.	1.5	26
93	Improving the SIENA performance using BEaST brain extraction. PLoS ONE, 2018, 13, e0196945.	1.1	6
94	Physical activity and dentate gyrus volume in pediatric acquired demyelinating syndromes. Neurology: Neuroimmunology and NeuroInflammation, 2018, 5, e499.	3.1	4
95	Peginterferon $\beta$ -1a every 2 weeks increased achievement of no evidence of disease activity over 4 years in the ADVANCE and ATTAIN studies in patients with relapsing-remitting multiple sclerosis. Therapeutic Advances in Neurological Disorders, 2018, 11, 175628641879508.	1.5	6
96	Long-term outcomes of peginterferon beta-1a in multiple sclerosis: results from the ADVANCE extension study, ATTAIN. Therapeutic Advances in Neurological Disorders, 2018, 11, 175628641879114.	1.5	16
97	Trial of Fingolimod versus Interferon Beta-1a in Pediatric Multiple Sclerosis. New England Journal of Medicine, 2018, 379, 1017-1027.	13.9	237
98	Image Quality Evaluation in Clinical Research: A Case Study on Brain and Cardiac MRI Images in Multi-Center Clinical Trials. IEEE Journal of Translational Engineering in Health and Medicine, 2018, 6, 1-15.	2.2	7
99	Phase IV study of retention on fingolimod versus injectable multiple sclerosis therapies: a randomized clinical trial. Therapeutic Advances in Neurological Disorders, 2018, 11, 175628641877433.	1.5	22
100	Blind blur assessment of MRI images using parallel multiscale difference of Gaussian filters. BioMedical Engineering OnLine, 2018, 17, 76.	1.3	14
101	Lesion Detection, Segmentation and Prediction in Multiple Sclerosis Clinical Trials. Lecture Notes in Computer Science, 2018, , 15-28.	1.0	6
102	Brain atrophy after bone marrow transplantation for treatment of multiple sclerosis. Multiple Sclerosis Journal, 2017, 23, 420-431.	1.4	33
103	Long-term effects of delayed-release dimethyl fumarate in multiple sclerosis: Interim analysis of ENDORSE, a randomized extension study. Multiple Sclerosis Journal, 2017, 23, 253-265.	1.4	126
104	High-dose immunosuppressive therapy and autologous HCT for relapsing-remitting MS. Neurology, 2017, 88, 842-852.	1.5	128
105	Statistical power and prediction accuracy in multisite resting-state fMRI connectivity. NeuroImage, 2017, 149, 220-232.	2.1	78
106	Peginterferon beta-1a improves MRI measures and increases the proportion of patients with no evidence of disease activity in relapsing-remitting multiple sclerosis: 2-year results from the ADVANCE randomized controlled trial. BMC Neurology, 2017, 17, 29.	0.8	24
107	Bayesian framework inspired no-reference region-of-interest quality measure for brain MRI images. Journal of Medical Imaging, 2017, 4, 025504.	0.8	7
108	White matter changes in paediatric multiple sclerosis and monophasic demyelinating disorders. Brain, 2017, 140, 1300-1315.	3.7	52



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109	Monophasic demyelination reduces brain growth in children. <i>Neurology</i> , 2017, 88, 1744-1750.	1.5	43
110	Ocrelizumab versus Interferon Beta-1a in Relapsing Multiple Sclerosis. <i>New England Journal of Medicine</i> , 2017, 376, 221-234.	13.9	1,322
111	Ocrelizumab versus Placebo in Primary Progressive Multiple Sclerosis. <i>New England Journal of Medicine</i> , 2017, 376, 209-220.	13.9	1,324
112	The spatial statistics of structural magnetic resonance images: application to post-acquisition quality assessment of brain MRI images. <i>Imaging Science Journal</i> , 2017, 65, 468-483.	0.2	5
113	Predicting Future Disease Activity and Treatment Responders for Multiple Sclerosis Patients Using a Bag-of-Lesions Brain Representation. <i>Lecture Notes in Computer Science</i> , 2017, , 186-194.	1.0	7
114	Alemtuzumab CARE-MS I 5-year follow-up. <i>Neurology</i> , 2017, 89, 1107-1116.	1.5	188
115	Alemtuzumab CARE-MS II 5-year follow-up. <i>Neurology</i> , 2017, 89, 1117-1126.	1.5	232
116	No reference quality measure in brain MRI images using binary operations, texture and set analysis. <i>IET Image Processing</i> , 2017, 11, 672-684.	1.4	16
117	MRI evidence of acute inflammation in leukocortical lesions of patients with early multiple sclerosis. <i>Neurology</i> , 2017, 89, 714-721.	1.5	16
118	Application of calibrated fMRI in Alzheimer's disease. <i>NeuroImage: Clinical</i> , 2017, 15, 348-358.	1.4	48
119	Peginterferon beta-1a reduces the evolution of MRI lesions to black holes in patients with RRMS: a post hoc analysis from the ADVANCE study. <i>Journal of Neurology</i> , 2017, 264, 1728-1734.	1.8	2
120	ACCLAIM: A randomized trial of abatacept (CTLA4-Ig) for relapsing-remitting multiple sclerosis. <i>Multiple Sclerosis Journal</i> , 2017, 23, 686-695.	1.4	47
121	Lesion remyelinating activity of GSK239512 versus placebo in patients with relapsing-remitting multiple sclerosis: a randomised, single-blind, phase II study. <i>Journal of Neurology</i> , 2017, 264, 304-315.	1.8	86
122	A double-blind, placebo-controlled, single ascending-dose study of remyelinating antibody rHlgM22 in people with multiple sclerosis. <i>Multiple Sclerosis Journal - Experimental, Translational and Clinical</i> , 2017, 3, 205521731774309.	0.5	25
123	Improvement in relapse recovery with peginterferon beta-1a in patients with multiple sclerosis. <i>Multiple Sclerosis Journal - Experimental, Translational and Clinical</i> , 2016, 2, 205521731667664.	0.5	7
124	Cognitive and Behavioral Functioning in Childhood Acquired Demyelinating Syndromes. <i>Journal of the International Neuropsychological Society</i> , 2016, 22, 1050-1060.	1.2	7
125	MTR recovery in brain lesions in the BECOME study of glatiramer acetate vs interferon $\beta$ -1b. <i>Neurology</i> , 2016, 87, 905-911.	1.5	16
126	MRI in the evaluation of pediatric multiple sclerosis. <i>Neurology</i> , 2016, 87, S88-96.	1.5	42



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127	Subgroup and sensitivity analyses of annualized relapse rate over 2 years in the ADVANCE trial of peginterferon beta-1a in patients with relapsing-remitting multiple sclerosis. <i>Journal of Neurology</i> , 2016, 263, 1778-1787.	1.8	11
128	Safety and efficacy of amiselimod in relapsing multiple sclerosis (MOMENTUM): a randomised, double-blind, placebo-controlled phase 2 trial. <i>Lancet Neurology</i> , The, 2016, 15, 1148-1159.	4.9	52
129	Delineation of cortical pathology in multiple sclerosis using multi-surface magnetization transfer ratio imaging. <i>NeuroImage: Clinical</i> , 2016, 12, 858-868.	1.4	7
130	Superior MRI outcomes with alemtuzumab compared with subcutaneous interferon $\beta$ -1a in MS. <i>Neurology</i> , 2016, 87, 1464-1472.	1.5	28
131	Longitudinal change in Paced Auditory Serial Addition Test (PASAT) performance following immunoablative therapy and haematopoietic stem cell transplant in multiple sclerosis. <i>Multiple Sclerosis and Demyelinating Disorders</i> , 2016, 1, .	1.1	2
132	Immunoablation and autologous haemopoietic stem-cell transplantation for aggressive multiple sclerosis: a multicentre single-group phase 2 trial. <i>Lancet</i> , The, 2016, 388, 576-585.	6.3	296
133	Delayed-release dimethyl fumarate and disability assessed by the Multiple Sclerosis Functional Composite: Integrated analysis of DEFINE and CONFIRM. <i>Multiple Sclerosis Journal - Experimental, Translational and Clinical</i> , 2016, 2, 205521731663411.	0.5	10
134	Estriol combined with glatiramer acetate for women with relapsing-remitting multiple sclerosis: a randomised, placebo-controlled, phase 2 trial. <i>Lancet Neurology</i> , The, 2016, 15, 35-46.	4.9	158
135	Impaired growth of the cerebellum in pediatric-onset acquired CNS demyelinating disease. <i>Multiple Sclerosis Journal</i> , 2016, 22, 1266-1278.	1.4	21
136	Safety and efficacy of the selective sphingosine 1-phosphate receptor modulator ozanimod in relapsing multiple sclerosis (RADIANCE): a randomised, placebo-controlled, phase 2 trial. <i>Lancet Neurology</i> , The, 2016, 15, 373-381.	4.9	150
137	Intracortical inhibition abnormality during the remission phase of multiple sclerosis is related to upper limb dexterity and lesions. <i>Clinical Neurophysiology</i> , 2016, 127, 1503-1511.	0.7	23
138	Altered resting-state functional connectivity in cognitively preserved pediatric-onset MS patients and relationship to structural damage and cognitive performance. <i>Multiple Sclerosis Journal</i> , 2016, 22, 792-800.	1.4	20
139	Contribution of the cerebellum to cognitive performance in children and adolescents with multiple sclerosis. <i>Multiple Sclerosis Journal</i> , 2016, 22, 599-607.	1.4	38
140	Viral exposures and MS outcome in a prospective cohort of children with acquired demyelination. <i>Multiple Sclerosis Journal</i> , 2016, 22, 385-388.	1.4	50
141	Adaptive multi-level conditional random fields for detection and segmentation of small enhanced pathology in medical images. <i>Medical Image Analysis</i> , 2016, 27, 17-30.	7.0	25
142	Efficacy of delayed-release dimethyl fumarate in relapsing-remitting multiple sclerosis: integrated analysis of the phase 3 trials. <i>Annals of Clinical and Translational Neurology</i> , 2015, 2, 103-118.	1.7	48
143	Tolerability and Safety of Combined Glatiramer Acetate and N-Acetylcysteine in Relapsing-Remitting Multiple Sclerosis. <i>Clinical Neuropharmacology</i> , 2015, 38, 127-131.	0.2	9
144	Evolving role of MRI in optimizing the treatment of multiple sclerosis: Canadian Consensus recommendations. <i>Multiple Sclerosis Journal - Experimental, Translational and Clinical</i> , 2015, 1, 205521731558977.	0.5	6

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145	Non-Local Means inpainting of MS Lesions in Longitudinal Image Processing. <i>Frontiers in Neuroscience</i> , 2015, 9, 456.	1.4	19
146	Rotation-invariant multi-contrast non-local means for MS lesion segmentation. <i>NeuroImage: Clinical</i> , 2015, 8, 376-389.	1.4	56
147	Diurnal fluctuations in brain volume: Statistical analyses of MRI from large populations. <i>NeuroImage</i> , 2015, 118, 126-132.	2.1	96
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310	Characterization of astrocytomas, meningiomas, and pituitary adenomas by phosphorus magnetic resonance spectroscopy. <i>Journal of Neurosurgery</i> , 1991, 74, 447-453.	0.9	45
311	Proton magnetic resonance spectroscopy of human brain in vivo in the evaluation of multiple sclerosis: Assessment of the load of disease. <i>Magnetic Resonance in Medicine</i> , 1990, 14, 154-159.	1.9	275
312	A proton magnetic resonance spectroscopy study of focal epilepsy in humans. <i>Neurology</i> , 1990, 40, 985-985.	1.5	134
313	Early Metabolic Changes Following Chemotherapy of Human Gliomas In Vivo Demonstrated by Phosphorus Magnetic Resonance Spectroscopy. <i>Investigative Radiology</i> , 1989, 24, 958-961.	3.5	25
314	Letters to the editor. <i>Muscle and Nerve</i> , 1987, 10, 183-184.	1.0	2
315	Investigation of human mitochondrial myopathies by phosphorus magnetic resonance spectroscopy. <i>Biochemical Society Transactions</i> , 1985, 13, 654-654.	1.6	14
316	Evobrutinib reduces volume of slowly expanding lesions. , 0, , .		0