D K B Li

List of Publications by Year in descending order

95 papers	5,389 citations	117625 34 h-index	88630 70 g-index
96 all docs	96 docs citations	96 times ranked	5152 citing authors

#	Article	IF	Citations
1	In vivo measurement ofT2 distributions and water contents in normal human brain. Magnetic Resonance in Medicine, 1997, 37, 34-43.	3.0	723
2	Water content and myelin water fraction in multiple sclerosis. Journal of Neurology, 2004, 251, 284-293.	3.6	334
3	Myelin water imaging of multiple sclerosis at 7ÂT: Correlations with histopathology. NeuroImage, 2008, 40, 1575-1580.	4.2	319
4	2021 MAGNIMSâ€“CMSCâ€“NAIMS consensus recommendations on the use of MRI in patients with multiple sclerosis. Lancet Neurology, The, 2021, 20, 653-670.	10.2	302
5	Revised Recommendations of the Consortium of MS Centers Task Force for a Standardized MRI Protocol and Clinical Guidelines for the Diagnosis and Follow-Up of Multiple Sclerosis. American Journal of Neuroradiology, 2016, 37, 394-401.	2.4	277
6	Magnetic resonance imaging of myelin. Neurotherapeutics, 2007, 4, 460-484.	4.4	269
7	Serial magnetic resonance scanning in multiple sclerosis: A second prospective study in relapsing patients. Annals of Neurology, 1989, 25, 43-49.	5.3	228
8	Is the magnetization transfer ratio a marker for myelin in multiple sclerosis?. Journal of Magnetic Resonance Imaging, 2011, 33, 710-718.	3.4	158
9	Trial of Minocycline in a Clinically Isolated Syndrome of Multiple Sclerosis. New England Journal of Medicine, 2017, 376, 2122-2133.	27.0	153
10	A comparison between magnetization transfer ratios and myelin water percentages in normals and multiple sclerosis patients. Magnetic Resonance in Medicine, 1998, 40, 763-768.	3.0	109
11	Premenopausal Ovariectomy-Related Bone Loss: A Randomized, Double-Blind, One-Year Trial of Conjugated Estrogen or Medroxyprogesterone Acetate. Journal of Bone and Mineral Research, 1997, 12, 1851-1863.	2.8	101
12	Benign versus chronic progressive multiple sclerosis: Magnetic resonance imaging features. Annals of Neurology, 1989, 25, 74-81.	5.3	100
13	Are mono-exponential fits to a few echoes sufficient to determine T2 relaxation for in vivo human brain?. Magnetic Resonance in Medicine, 1999, 41, 1255-1257.	3.0	92
14	Safety and Efficacy of Siponimod (BAF312) in Patients With Relapsing-Remitting Multiple Sclerosis. JAMA Neurology, 2016, 73, 1089.	9.0	92
15	Normal-appearing white matter in multiple sclerosis has heterogeneous, diffusely prolongedT2. Magnetic Resonance in Medicine, 2002, 47, 403-408.	3.0	88
16	Magnetic resonance imaging in the evaluation of clinical trials in multiple sclerosis. Annals of Neurology, 1994, 36, S95-S96.	5.3	80
17	Pathological basis of diffusely abnormal white matter: insights from magnetic resonance imaging and histology. Multiple Sclerosis Journal, 2011, 17, 144-150.	3.0	67
18	Myelin water imaging: Implementation and development at 3.0T and comparison to 1.5T measurements. Magnetic Resonance in Medicine, 2009, 62, 106-115.	3.0	65

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19	Long T2 water in multiple sclerosis: What else can we learn from multi-echo T2 relaxation?. Journal of Neurology, 2007, 254, 1579-1587.	3.6	64
20	MR evidence of long T₂ water in pathological white matter. Journal of Magnetic Resonance Imaging, 2007, 26, 1117-1121.	3.4	63
21	Two-year study of cervical cord volume and myelin water in primary progressive multiple sclerosis. Multiple Sclerosis Journal, 2010, 16, 670-677.	3.0	63
22	Magnetic resonance frequency shifts during acute MS lesion formation. Neurology, 2013, 81, 211-218.	1.1	61
23	Multicenter measurements of myelin water fraction and geometric mean T₂: Intraâ€•and intersite reproducibility. Journal of Magnetic Resonance Imaging, 2013, 38, 1445-1453.	3.4	61
24	Different magnetization transfer effects exhibited by the short and longT2 components in human brain. Magnetic Resonance in Medicine, 2000, 44, 860-866.	3.0	59
25	Longitudinal changes in myelin water fraction in two MS patients with active disease. Journal of the Neurological Sciences, 2009, 276, 49-53.	0.6	59
26	What Have We Learned from Perfusion MRI in Multiple Sclerosis?. American Journal of Neuroradiology, 2018, 39, 994-1000.	2.4	53
27	Imaging outcome measures of neuroprotection and repair in MS. Neurology, 2019, 92, 519-533.	1.1	53
28	Quantitative neuroimaging measures of myelin in the healthy brain and in multiple sclerosis. Human Brain Mapping, 2019, 40, 2104-2116.	3.6	53
29	Assessing structure and function of myelin in cervical spondylotic myelopathy. Neurology, 2017, 89, 602-610.	1.1	45
30	Magnetic resonance imaging of osteoarthritis: Correlation with gross pathology using an experimental model. Journal of Orthopaedic Research, 1987, 5, 164-172.	2.3	44
31	Multi-parametric MR assessment of T1 black holes in multiple sclerosis. Journal of Neurology, 2007, 254, 1653-1659.	3.6	43
32	An atlas for human brain myelin content throughout the adult life span. Scientific Reports, 2021, 11, 269.	3.3	42
33	A Prospective Pilot Investigation of Brain Volume, White Matter Hyperintensities, and Hemorrhagic Lesions after Mild Traumatic Brain Injury. Frontiers in Neurology, 2016, 7, 11.	2.4	41
34	Progressive multiple sclerosis exhibits decreasing glutamate and glutamine over two years. Multiple Sclerosis Journal, 2016, 22, 112-116.	3.0	40
35	Susceptibility-sensitive MRI of multiple sclerosis lesions and the impact of normal-appearing white matter changes. NMR in Biomedicine, 2017, 30, e3727.	2.8	39
36	Increased spinal cord movements in cervical spondylotic myelopathy. Spine Journal, 2014, 14, 2344-2354.	1.3	38

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37	Education, and the balance between dynamic and stationary functional connectivity jointly support executive functions in relapsingâ€“remitting multiple sclerosis. Human Brain Mapping, 2018, 39, 5039-5049.	3.6	37
38	MRI Contributes to the Differentiation Between MS and HTLV-I Associated Myelopathy in British Columbian Coastal Natives. Canadian Journal of Neurological Sciences, 2003, 30, 41-48.	0.5	33
39	FLAIR2: A Combination of FLAIR and T2 for Improved MS Lesion Detection. American Journal of Neuroradiology, 2016, 37, 259-265.	2.4	33
40	Global loss of myelin water over 5 years in multiple sclerosis normal-appearing white matter. Multiple Sclerosis Journal, 2018, 24, 1557-1568.	3.0	33
41	High-resolution myelin water imaging in post-mortem multiple sclerosis spinal cord: A case report. Multiple Sclerosis Journal, 2016, 22, 1485-1489.	3.0	32
42	Deep grey matter injury in multiple sclerosis: a NAIMS consensus statement. Brain, 2021, 144, 1974-1984.	7.6	31
43	Myelin water and T2 relaxation measurements in the healthy cervical spinal cord at 3.0T: Repeatability and changes with age. NeuroImage, 2011, 54, 1083-1090.	4.2	30
44	Does hydration status affect MRI measures of brain volume or water content?. Journal of Magnetic Resonance Imaging, 2016, 44, 296-304.	3.4	30
45	Hematopoietic Stem Cell Transplantation in Lateâ€Onset Krabbe Disease: No Evidence of Worsening Demyelination and Axonal Loss 4 Years Postâ€allograft. Journal of Neuroimaging, 2018, 28, 252-255.	2.0	29
46	Myelin Water Atlas: A Template for Myelin Distribution in the Brain. Journal of Neuroimaging, 2019, 29, 699-706.	2.0	29
47	Machine learning in secondary progressive multiple sclerosis: an improved predictive model for short-term disability progression. Multiple Sclerosis Journal - Experimental, Translational and Clinical, 2019, 5, 205521731988598.	1.0	29
48	Increased mean R2* in the deep gray matter of multiple sclerosis patients: Have we been measuring atrophy?. Journal of Magnetic Resonance Imaging, 2019, 50, 201-208.	3.4	29
49	Orientation Dependent MR Signal Decay Differentiates between People with MS, Their Asymptomatic Siblings and Unrelated Healthy Controls. PLoS ONE, 2015, 10, e0140956.	2.5	28
50	Inter-Vendor Reproducibility of Myelin Water Imaging Using a 3D Gradient and Spin Echo Sequence. Frontiers in Neuroscience, 2018, 12, 854.	2.8	28
51	Deep learning of brain lesion patterns and user-defined clinical and MRI features for predicting conversion to multiple sclerosis from clinically isolated syndrome. Computer Methods in Biomechanics and Biomedical Engineering: Imaging and Visualization, 2019, 7, 250-259.	1.9	27
52	Rapid myelin water imaging in human cervical spinal cord. Magnetic Resonance in Medicine, 2017, 78, 1482-1487.	3.0	26
53	Myelin water imaging data analysis in less than one minute. NeuroImage, 2020, 210, 116551.	4.2	26
54	A 24-month advanced magnetic resonance imaging study of multiple sclerosis patients treated with alemtuzumab. Multiple Sclerosis Journal, 2019, 25, 811-818.	3.0	20

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55	Conventional MR Imaging. Neuroimaging Clinics of North America, 2008, 18, 651-673.	1.0	19
56	Multicenter Measurements of T₁ Relaxation and Diffusion Tensor Imaging: Intra and Intersite Reproducibility. Journal of Neuroimaging, 2019, 29, 42-51.	2.0	19
57	Cervical cord myelin water imaging shows degenerative changes over one year in multiple sclerosis but not neuromyelitis optica spectrum disorder. NeuroImage: Clinical, 2017, 16, 17-22.	2.7	18
58	Gadolinium Deposition in Deep Brain Structures: Relationship with Dose and Ionization of Linear Gadolinium-Based Contrast Agents. American Journal of Neuroradiology, 2018, 39, 1597-1603.	2.4	18
59	Associations Between Findings From Myelin Water Imaging and Cognitive Performance Among Individuals With Multiple Sclerosis. JAMA Network Open, 2020, 3, e2014220.	5.9	18
60	Corticospinal tract integrity measured using transcranial magnetic stimulation and magnetic resonance imaging in neuromyelitis optica and multiple sclerosis. Multiple Sclerosis Journal, 2016, 22, 43-50.	3.0	17
61	Myelin Damage in Normal Appearing White Matter Contributes to Impaired Cognitive Processing Speed in Multiple Sclerosis. Journal of Neuroimaging, 2020, 30, 205-211.	2.0	17
62	What causes the hyperintense T2-weighting and increased short T2 signal in the corticospinal tract?. Magnetic Resonance Imaging, 2013, 31, 329-335.	1.8	16
63	Rapid myelin water imaging for the assessment of cervical spinal cord myelin damage. NeuroImage: Clinical, 2019, 23, 101896.	2.7	16
64	Short-term stability of T 1 and T 2 relaxation measures in multiple sclerosis normal appearing white matter. Journal of Neurology, 2012, 259, 1151-1158.	3.6	15
65	Pathological Insights From Quantitative Susceptibility Mapping and Diffusion Tensor Imaging in Ice Hockey Players Pre and Post-concussion. Frontiers in Neurology, 2018, 9, 575.	2.4	14
66	Brain Myelin Water Fraction and Diffusion Tensor Imaging Atlases for 9â€10 Yearâ€Old Children. Journal of Neuroimaging, 2020, 30, 150-160.	2.0	14
67	The use of MRI as an outcome measure in clinical trials. Advances in Neurology, 2006, 98, 203-26.	0.8	14
68	Fast computation of myelin maps from MRI T₂ relaxation data using multicore CPU and graphics card parallelization. Journal of Magnetic Resonance Imaging, 2015, 41, 700-707.	3.4	13
69	Myelin Water Fraction and Intra/Extracellular Water Geometric Mean T₂ Normative Atlases for the Cervical Spinal Cord from 3T MRI. Journal of Neuroimaging, 2020, 30, 50-57.	2.0	13
70	Cognitive Performance in Subjects With Multiple Sclerosis Is Robustly Influenced by Gender in Canonical-Correlation Analysis. Journal of Neuropsychiatry and Clinical Neurosciences, 2017, 29, 119-127.	1.8	12
71	Water content changes in new multiple sclerosis lesions have a minimal effect on the determination of myelin water fraction values. Journal of Neuroimaging, 2021, 31, 1119-1125.	2.0	12
72	Prognostic factors for long-term outcomes in relapsingâ€“remitting multiple sclerosis. Multiple Sclerosis Journal - Experimental, Translational and Clinical, 2016, 2, 205521731666640.	1.0	11

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73	Characterization of multiple sclerosis neuroinflammation and neurodegeneration with relaxation and diffusion basis spectrum imaging. Multiple Sclerosis Journal, 2022, 28, 418-428.	3.0	11
74	Addressing Concerns Regarding the Use of Gadolinium in a Standardized MRI Protocol for the Diagnosis and Follow-Up of Multiple Sclerosis. American Journal of Neuroradiology, 2016, 37, E82-E83.	2.4	10
75	Diffusely Abnormal White Matter, T₂ Burden of Disease, and Brain Volume in RelapsingâEŒRemitting Multiple Sclerosis. Journal of Neuroimaging, 2019, 29, 151-159.	2.0	10
76	Comparison of multi echo T2 relaxation and steady state approaches for myelin imaging in the central nervous system. Scientific Reports, 2021, 11, 1369.	3.3	8
77	FLAIR2 improves LesionTOADS automatic segmentation of multiple sclerosis lesions in non-homogenized, multi-center, 2D clinical magnetic resonance images. NeuroImage: Clinical, 2019, 23, 101918.	2.7	7
78	Effect of different doses of gadolinium contrast agent on clinical outcomes in MS. Multiple Sclerosis Journal - Experimental, Translational and Clinical, 2019, 5, 205521731882379.	1.0	7
79	Intraâ€•and interâ€•site reproducibility of human brain singleâ€•voxel proton MRS at 3ÂT. NMR in Biomedicine, 2019, 32, e4083.	2.8	6
80	Longitudinal advanced MRI case report of white matter radiation necrosis. Annals of Clinical and Translational Neurology, 2019, 6, 379-385.	3.7	6
81	Dehydration affects spinal cord cross-sectional area measurement on MRI in healthy subjects. Spinal Cord, 2014, 52, 616-620.	1.9	5
82	Magnetic resonance spectroscopy evidence for declining gliosis in MS patients treated with ocrelizumab versus interferon beta-1a. Multiple Sclerosis Journal - Experimental, Translational and Clinical, 2019, 5, 205521731987995.	1.0	5
83	Diffusely abnormal white matter in multiple sclerosis. Journal of Neuroimaging, 2022, 32, 5-16.	2.0	5
84	Cervical cord myelin abnormality is associated with clinical disability in multiple sclerosis. Multiple Sclerosis Journal, 2021, 27, 2191-2198.	3.0	4
85	Case report 567. Skeletal Radiology, 1989, 18, 481-482.	2.0	3
86	Multimodal peripheral fluid biomarker analysis in clinically isolated syndrome and early multiple sclerosis. Multiple Sclerosis and Related Disorders, 2021, 50, 102809.	2.0	3
87	Nonlesional diffusely abnormal appearing white matter in clinically isolated syndrome: Prevalence, association with clinical and MRI features, and risk for conversion to multiple sclerosis. Journal of Neuroimaging, 2021, 31, 981-994.	2.0	3
88	A dataâ€•driven T 2 relaxation analysis approach for myelin water imaging: Spectrum analysis for multiple exponentials via experimental condition oriented simulation (SAMEâ€•ECOS). Magnetic Resonance in Medicine, 2022, 87, 915-931.	3.0	3
89	Cervical Spinal Cord Atrophy can be Accurately Quantified Using Head Images. Multiple Sclerosis Journal - Experimental, Translational and Clinical, 2022, 8, 205521732110707.	1.0	3
90	Magnetic resonance techniques for investigation of multiple sclerosis. , 2014, , .		2

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91	Minocycline treatment in clinically isolated syndrome and serum NfL, GFAP, and metalloproteinase levels. Multiple Sclerosis Journal, 2022, 28, 2081-2089.	3.0	2
92	Cover Image, Volume 30, Issue 8. NMR in Biomedicine, 2017, 30, i-i.	2.8	1
93	The North American Registry for Care and Research in Multiple Sclerosis (NARCRMS). International Journal of MS Care, 2021, 23, 269-275.	1.0	1
94	Personalized activity index, a new safety monitoring tool for multiple sclerosis clinical trials. Multiple Sclerosis Journal - Experimental, Translational and Clinical, 2015, 1, 205521731557782.	1.0	0
95	Cortical morphology predicts placebo response in multiple sclerosis. Scientific Reports, 2022, 12, 732.	3.3	0