Rebecca S Samson

List of Publications by Year
in descending order

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34 papers	1,076 citations	471509 17 h-index	434195 31 g-index
36 all docs	36 docs citations	36 times ranked	1505 citing authors

#	Article	IF	Citations
1	Cervical cord lesion load is associated with disability independently from atrophy in MS. Neurology, 2015, 84, 367-373.	1.1	95
2	Magnetization transfer ratio measures in normal-appearing white matter show periventricular gradient abnormalities in multiple sclerosis. Brain, 2015, 138, 1239-1246.	7.6	78
3	Memory in multiple sclerosis is linked to glutamate concentration in grey matter regions. Journal of Neurology, Neurosurgery and Psychiatry, 2014, 85, 833-839.	1.9	77
4	Generic acquisition protocol for quantitative MRI of the spinal cord. Nature Protocols, 2021, 16, 4611-4632.	12.0	65
5	An abnormal periventricular magnetization transfer ratio gradient occurs early in multiple sclerosis. Brain, 2017, 140, 387-398.	7.6	62
6	Multiparameter mapping of relaxation (<scp>R1</scp>, <scp>R2</scp>*), proton density and magnetization transfer saturation at <scp>3 T</scp>: A multicenter dualâ€vendor reproducibility and repeatability study. Human Brain Mapping, 2020, 41, 4232-4247.	3.6	59
7	ZOOM or Non-ZOOM? Assessing Spinal Cord Diffusion Tensor Imaging Protocols for Multi-Centre Studies. PLoS ONE, 2016, 11, e0155557.	2.5	58
8	A simple correction for B1 field errors in magnetization transfer ratio measurements. Magnetic Resonance Imaging, 2006, 24, 255-263.	1.8	55
9	Investigation of outer cortical magnetisation transfer ratio abnormalities in multiple sclerosis clinical subgroups. Multiple Sclerosis Journal, 2014, 20, 1322-1330.	3.0	53
10	Relationship of grey and white matter abnormalities with distance from the surface of the brain in multiple sclerosis. Journal of Neurology, Neurosurgery and Psychiatry, 2016, 87, 1212-1217.	1.9	53
11	Safety and efficacy of bexarotene in patients with relapsing-remitting multiple sclerosis (CCMR One): a randomised, double-blind, placebo-controlled, parallel-group, phase 2a study. Lancet Neurology, The, 2021, 20, 709-720.	10.2	44
12	Motor network efficiency and disability in multiple sclerosis. Neurology, 2015, 85, 1115-1122.	1.1	40
13	Investigation of magnetization transfer ratio-derived pial and subpial abnormalities in the multiple sclerosis spinal cord. Brain, 2014, 137, 2456-2468.	7.6	39
14	Complex motor task associated with non-linear BOLD responses in cerebro-cortical areas and cerebellum. Brain Structure and Function, 2016, 221, 2443-2458.	2.3	33
15	Association of Slowly Expanding Lesions on MRI With Disability in People With Secondary Progressive Multiple Sclerosis. Neurology, 2022, 98, .	1.1	31
16	Open-access quantitative MRI data of the spinal cord and reproducibility across participants, sites and manufacturers. Scientific Data, 2021, 8, 219.	5.3	27
17	Characteristics of lesional and extra-lesional cortical grey matter in relapsingâ€“remitting and secondary progressive multiple sclerosis: A magnetisation transfer and diffusion tensor imaging study. Multiple Sclerosis Journal, 2016, 22, 150-159.	3.0	26
18	Cortical involvement determines impairment 30 years after a clinically isolated syndrome. Brain, 2021, 144, 1384-1395.	7.6	24

#	Article	IF	Citations
19	Fast and reproducible in vivo T₁ mapping of the human cervical spinal cord. Magnetic Resonance in Medicine, 2018, 79, 2142-2148.	3.0	20
20	Tracking White and Gray Matter Degeneration along the Spinal Cord Axis in Degenerative Cervical Myelopathy. Journal of Neurotrauma, 2021, 38, 2978-2987.	3.4	19
21	An optimized framework for quantitative magnetization transfer imaging of the cervical spinal cord in vivo. Magnetic Resonance in Medicine, 2018, 79, 2576-2588.	3.0	15
22	HLA-DRB*1501 associations with magnetic resonance imaging measures of grey matter pathology in multiple sclerosis. Multiple Sclerosis and Related Disorders, 2016, 7, 47-52.	2.0	14
23	Cerebellar lobules and dentate nuclei mirror cortical forceâ€relatedâ€BOLD responses: Beyond all (linear) expectations. Human Brain Mapping, 2017, 38, 2566-2579.	3.6	14
24	Magnetisation transfer ratio abnormalities in primary and secondary progressive multiple sclerosis. Multiple Sclerosis Journal, 2020, 26, 679-687.	3.0	11
25	Reduced Field-of-View Diffusion-Weighted Imaging of the Lumbosacral Enlargement: A Pilot In Vivo Study of the Healthy Spinal Cord at 3T. PLoS ONE, 2016, 11, e0164890.	2.5	11
26	Amiloride, fluoxetine or riluzole to reduce brain volume loss in secondary progressive multiple sclerosis: the MS-SMART four-arm RCT. Efficacy and Mechanism Evaluation, 2020, 7, 1-72.	0.7	11
27	Fast bound pool fraction mapping via steadyâ€state magnetization transfer saturation using singleâ€shot EPI. Magnetic Resonance in Medicine, 2019, 82, 1025-1040.	3.0	8
28	Periventricular magnetisation transfer ratio abnormalities in multiple sclerosis improve after alemtuzumab. Multiple Sclerosis Journal, 2020, 26, 1093-1101.	3.0	6
29	Assessing Lumbar Plexus and Sciatic Nerve Damage in Relapsing-Remitting Multiple Sclerosis Using Magnetisation Transfer Ratio. Frontiers in Neurology, 2021, 12, 763143.	2.4	6
30	Blood Oxygenation Level-Dependent Response to Multiple Grip Forces in Multiple Sclerosis: Going Beyond the Main Effect of Movement in Brodmann Area 4a and 4p. Frontiers in Cellular Neuroscience, 2021, 15, 616028.	3.7	5
31	Comparison of multicenter <scp>MRI</scp> protocols for visualizing the spinal cord gray matter. Magnetic Resonance in Medicine, 2022, 88, 849-859.	3.0	4
32	Grey and White Matter Magnetisation Transfer Ratio Measurements in the Lumbosacral Enlargement: A Pilot In Vivo Study at 3T. PLoS ONE, 2015, 10, e0134495.	2.5	3
33	Response to the commentary of Yates RL and DeLuca GC on the study: HLA-DRB1*1501 associations with magnetic resonance imaging measures of grey matter pathology in multiple sclerosis. Multiple Sclerosis and Related Disorders, 2018, 19, 168-170.	2.0	2
34	REGIONAL PATTERNS OF GREY MATTER ATROPHY AND MAGNETISATION TRANSFER RATIO ABNORMALITIES IN MULTIPLE SCLEROSIS CLINICAL SUBGROUPS. Journal of Neurology, Neurosurgery and Psychiatry, 2013, 84, e2.94-e2.	1.9	0