Ahmed T Toosy

List of Publications by Year
in descending order

85 papers	5,208 citations	101543 36 h-index	88630 70 g-index
88 all docs	88 docs citations	88 times ranked	6018 citing authors

#	Article	IF	Citations
1	Optic neuritis. Lancet Neurology, The, 2014, 13, 83-99.	10.2	463
2	Retinal layer segmentation in multiple sclerosis: a systematic review and meta-analysis. Lancet Neurology, The, 2017, 16, 797-812.	10.2	397
3	Diffusion tensor imaging can detect and quantify corticospinal tract degeneration after stroke. Journal of Neurology, Neurosurgery and Psychiatry, 2000, 69, 269-272.	1.9	357
4	Assessment of lesions on magnetic resonance imaging in multiple sclerosis: practical guidelines. Brain, 2019, 142, 1858-1875.	7.6	303
5	From diffusion tractography to quantitative white matter tract measures: a reproducibility study. NeuroImage, 2003, 18, 348-359.	4.2	219
6	Recovery from optic neuritis is associated with a change in the distribution of cerebral response to visual stimulation: a functional magnetic resonance imaging study. Journal of Neurology, Neurosurgery and Psychiatry, 2000, 68, 441-449.	1.9	186
7	Phenytoin for neuroprotection in patients with acute optic neuritis: a randomised, placebo-controlled, phase 2 trial. Lancet Neurology, The, 2016, 15, 259-269.	10.2	168
8	Diffusion tensor imaging detects corticospinal tract involvement at multiple levels in amyotrophic lateral sclerosis. Journal of Neurology, Neurosurgery and Psychiatry, 2003, 74, 1250-1257.	1.9	165
9	Characterizing functionâ€“structure relationships in the human visual system with functional MRI and diffusion tensor imaging. NeuroImage, 2004, 21, 1452-1463.	4.2	149
10	Pharmacological management of symptoms in multiple sclerosis: current approaches and future directions. Lancet Neurology, The, 2010, 9, 1182-1199.	10.2	146
11	Identifying brain regions for integrative sensorimotor processing with ankle movements. Experimental Brain Research, 2005, 166, 31-42.	1.5	132
12	A serial MRI study following optic nerve mean area in acute optic neuritis. Brain, 2004, 127, 2498-2505.	7.6	125
13	Diffusion tractography based group mapping of major white-matter pathways in the human brain. NeuroImage, 2003, 19, 1545-1555.	4.2	116
14	Setting a research agenda for progressive multiple sclerosis: The International Collaborative on Progressive MS. Multiple Sclerosis Journal, 2012, 18, 1534-1540.	3.0	116
15	Abnormalities of cerebral perfusion in multiple sclerosis. Journal of Neurology, Neurosurgery and Psychiatry, 2004, 75, 1288-1293.	1.9	115
16	Optic radiation changes after optic neuritis detected by tractography-based group mapping. Human Brain Mapping, 2005, 25, 308-316.	3.6	114
17	Serial magnetization transfer imaging in acute optic neuritis. Brain, 2003, 127, 692-700.	7.6	107
18	Adaptive cortical plasticity in higher visual areas after acute optic neuritis. Annals of Neurology, 2005, 57, 622-633.	5.3	100

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19	APOSTEL 2.0 Recommendations for Reporting Quantitative Optical Coherence Tomography Studies. Neurology, 2021, 97, 68-79.	1.1	96
20	Visual recovery following acute optic neuritis. Journal of Neurology, 2004, 251, 996-1005.	3.6	91
21	Quantitative magnetic resonance imaging towards clinical application in multiple sclerosis. Brain, 2021, 144, 1296-1311.	7.6	81
22	Neuroplasticity predicts outcome of optic neuritis independent of tissue damage. Annals of Neurology, 2010, 67, 99-113.	5.3	75
23	Real-World Clinical Experience With Idebenone in the Treatment of Leber Hereditary Optic Neuropathy. Journal of Neuro-Ophthalmology, 2020, 40, 558-565.	0.8	72
24	Advances in spinal cord imaging in multiple sclerosis. Therapeutic Advances in Neurological Disorders, 2019, 12, 175628641984059.	3.5	69
25	Longitudinal evidence for anterograde trans-synaptic degeneration after optic neuritis. Brain, 2016, 139, 816-828.	7.6	67
26	Safety and efficacy of MD1003 (high-dose biotin) in patients with progressive multiple sclerosis (SPI2): a randomised, double-blind, placebo-controlled, phase 3 trial. Lancet Neurology, The, 2020, 19, 988-997.	10.2	64
27	A comprehensive assessment of cerebellar damage in multiple sclerosis using diffusion tractography and volumetric analysis. Multiple Sclerosis Journal, 2011, 17, 1079-1087.	3.0	62
28	Functional magnetic resonance imaging of the cortical response to photic stimulation in humans following optic neuritis recovery. Neuroscience Letters, 2002, 330, 255-259.	2.1	59
29	Functional response to active and passive ankle movements with clinical correlations in patients with primary progressive multiple sclerosis. Journal of Neurology, 2006, 253, 882-891.	3.6	58
30	MRI in Leber's hereditary optic neuropathy: the relationship to multiple sclerosis. Journal of Neurology, Neurosurgery and Psychiatry, 2015, 86, 537-542.	1.9	58
31	Advances in brain imaging in multiple sclerosis. Therapeutic Advances in Neurological Disorders, 2019, 12, 175628641985972.	3.5	56
32	Symptomatic treatment and management of multiple sclerosis. Handbook of Clinical Neurology / Edited By P J Vinken and G W Bruyn, 2014, 122, 513-562.	1.8	49
33	Reduced neurite density in the brain and cervical spinal cord in relapsingâ€“remitting multiple sclerosis: A NODDI study. Multiple Sclerosis Journal, 2020, 26, 1647-1657.	3.0	48
34	Assessing Neuronal Metabolism In Vivo by Modeling Imaging Measures. Journal of Neuroscience, 2010, 30, 15030-15033.	3.6	47
35	Optic neuritis: the eye as a window to the brain. Current Opinion in Neurology, 2017, 30, 61-66.	3.6	47
36	Low Myoâ€inositol indicating astrocytic damage in a case series of neuromyelitis optica. Annals of Neurology, 2013, 74, 301-305.	5.3	44

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37	Structural network disruption markers explain disability in multiple sclerosis. Journal of Neurology, Neurosurgery and Psychiatry, 2019, 90, 219-226.	1.9	37
38	Differential involvement of cortical and cerebellar areas using dominant and nondominant hands: An <scp>FMRI</scp> study. Human Brain Mapping, 2015, 36, 5079-5100.	3.6	36
39	Dissecting structureâ€“function interactions in acute optic neuritis to investigate neuroplasticity. Human Brain Mapping, 2010, 31, 276-286.	3.6	34
40	Asymmetrical Activation of Human Visual Cortex Demonstrated by Functional MRI with Monocular Stimulation. NeuroImage, 2001, 14, 632-641.	4.2	33
41	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
42	Artificial intelligence extension of the OSCARâ€IB criteria. Annals of Clinical and Translational Neurology, 2021, 8, 1528-1542.	3.7	33
43	Functional imaging correlates of fronto-temporal dysfunction in Morvan's syndrome. Journal of Neurology, Neurosurgery and Psychiatry, 2007, 79, 734-735.	1.9	30
44	Diagnosis of Progressive Multiple Sclerosis From the Imaging Perspective. JAMA Neurology, 2021, 78, 351.	9.0	30
45	Prominent Changes in Cerebro-Cerebellar Functional Connectivity During Continuous Cognitive Processing. Frontiers in Cellular Neuroscience, 2018, 12, 331.	3.7	27
46	MD1003 (High-Dose Pharmaceutical-Grade Biotin) for the Treatment of Chronic Visual Loss Related to Optic Neuritis in Multiple Sclerosis: A Randomized, Double-Blind, Placebo-Controlled Study. CNS Drugs, 2018, 32, 661-672.	5.9	26
47	Voxel-based cervical spinal cord mapping of diffusion abnormalities in MS-related myelitis. Neurology, 2014, 83, 1321-1325.	1.1	24
48	Brain microstructural and metabolic alterations detected in vivo at onset of the first demyelinating event. Brain, 2021, 144, 1409-1421.	7.6	24
49	Early pericalcarine atrophy in acute optic neuritis is associated with conversion to multiple sclerosis. Journal of Neurology, Neurosurgery and Psychiatry, 2011, 82, 1017-1021.	1.9	22
50	Structural cortical network reorganization associated with early conversion to multiple sclerosis. Scientific Reports, 2018, 8, 10715.	3.3	19
51	MRI Acquisition and Analysis Protocol for In Vivo Intraorbital Optic Nerve Segmentation at 3T. , 2013, 54, 4235.		17
52	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
53	Clinical relevance of cortical network dynamics in early primary progressive MS. Multiple Sclerosis Journal, 2020, 26, 442-456.	3.0	14
54	A multi-shell multi-tissue diffusion study of brain connectivity in early multiple sclerosis. Multiple Sclerosis Journal, 2020, 26, 774-785.	3.0	13

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55	A novel approach with â€œskeletonised MTRâ€•measures tractâ€•specific microstructural changes in early primaryâ€•progressive MS. Human Brain Mapping, 2014, 35, 723-733.	3.6	12
56	Comparison of Neurite Orientation Dispersion and Density Imaging and Two-Compartment Spherical Mean Technique Parameter Maps in Multiple Sclerosis. Frontiers in Neurology, 2021, 12, 662855.	2.4	12
57	Conversion from clinically isolated syndrome to multiple sclerosis: A large multicentre study. Multiple Sclerosis Journal, 2015, 21, 967-968.	3.0	11
58	Single-subject structural cortical networks in clinically isolated syndrome. Multiple Sclerosis Journal, 2020, 26, 1392-1401.	3.0	10
59	Gray vs. White Matter Segmentation of the Conus Medullaris: Reliability and Variability in Healthy Volunteers. Journal of Neuroimaging, 2019, 29, 410-417.	2.0	9
60	A longitudinal functional MRI study of non-arteritic anterior ischaemic optic neuropathy patients. Journal of Neurology, Neurosurgery and Psychiatry, 2011, 82, 905-913.	1.9	8
61	Monocular complex visual hallucinations and their suppression by eye closure. Eye, 2006, 20, 732-733.	2.1	6
62	New developments in the treatment of optic neuritis. Eye and Brain, 2010, 2, 83.	2.5	6
63	Optical coherence tomography should be part of the routine monitoring of patients with multiple sclerosis: No. Multiple Sclerosis Journal, 2014, 20, 1299-1301.	3.0	6
64	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
65	Alopecia Universalis Occurring after Alemtuzumab Treatment for Multiple Sclerosis. A Two-Year Follow-Up of Two Patients. International Journal of Environmental Research and Public Health, 2021, 18, 7338.	2.6	4
66	Visual Function and Brief Cognitive Assessment for Multiple Sclerosis in Optic Neuritis Clinically Isolated Syndrome Patients. Journal of Neuro-Ophthalmology, 2022, 42, e22-e31.	0.8	4
67	Machine Learning Utility for Optical Coherence Tomography in Multiple Sclerosis. Neurology, 2022, 99, 453-454.	1.1	4
68	Transient Monocular Blindness Successfully Treated by Lowering Intraocular Pressure. Neuro-Ophthalmology, 2008, 32, 203-205.	1.0	3
69	Parinaud's syndrome â€“ A rare presentation of clinically isolated syndrome. Multiple Sclerosis and Related Disorders, 2014, 3, 398-401.	2.0	3
70	OCT as a window to the MS brain. Neurology, 2017, 89, 2404-2405.	1.1	3
71	Editorial: Neuroinflammation and the Visual System. Frontiers in Neurology, 2021, 12, 724447.	2.4	3
72	Valuable Insights Into Visual Neuroplasticity After Optic Neuritis. JAMA Neurology, 2018, 75, 274.	9.0	2

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73	Disrupted principal network organisation in multiple sclerosis relates to disability. Scientific Reports, 2020, 10, 3620.	3.3	2
74	Functional MRI. , 2005, , 93-110.		2
75	Clinical commentary on the broadening spectrum of myelin oligodendrocyte glycoproteinâ€“associated disorder (MOGAD). Multiple Sclerosis Journal, 2020, 26, 1443-1444.	3.0	1
76	Seeing the Finish Line. Neurology, 2021, 96, 731-732.	1.1	1
77	Resting state fMRI during continuous cognitive processing reveals dynamical changes of brain networks involving cerebral cortex and cerebellum. Frontiers in Cellular Neuroscience, 0, 11, .	3.7	1
78	Mechanisms of disability and potential for recovery in multiple sclerosis. , 2006, , 1-29.		1
79	Different functional networks observed in multiple sclerosis during rest and motor task fMRI. Frontiers in Cellular Neuroscience, 0, 11, .	3.7	1
80	Commentary on retrograde trans-synaptic visual pathway degeneration in MS: A case series. Multiple Sclerosis Journal, 2017, 23, 1039-1040.	3.0	0
81	Longitudinal Analysis Framework of DWI Data for Reconstructing Structural Brain Networks with Application to Multiple Sclerosis. Mathematics and Visualization, 2018, , 205-218.	0.6	0
82	Edge and Properties in Multiple. Mathematics and Visualization, 2019, , 281-291.	0.6	0
83	Is OCT a Viable Tool to Monitor Disease-Modifying Treatments in RRMS Yet?. Neurology, 2021, 96, 927-928.	1.1	0
84	Sarcoidosis and neuromyelitis optica in a patient with optic neuritis â€“ a case report. Annals of Clinical and Translational Neurology, 2021, 8, 1760-1763.	3.7	0
85	Investigating the relationship between multiple grip forces and BOLD signal in the Cerebellum and dentate nuclei of MS subjects. Frontiers in Cellular Neuroscience, 0, 11, .	3.7	0