

# Nils Muhlert

## List of Publications by Year in descending order

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Version: 2024-02-01

66  
papers

2,466  
citations

185998

28  
h-index

214527

47  
g-index

73  
all docs

73  
docs citations

73  
times ranked

3791  
citing authors

#	ARTICLE	IF	CITATIONS
1	Contralateral cerebello-thalamo-cortical pathways with prominent involvement of associative areas in humans in vivo. <i>Brain Structure and Function</i> , 2015, 220, 3369-3384.	1.2	154
2	Contralateral cortico-ponto-cerebellar pathways reconstruction in humans in vivo: implications for reciprocal cerebro-cerebellar structural connectivity in motor and non-motor areas. <i>Scientific Reports</i> , 2017, 7, 12841.	1.6	152
3	Improved detection of cortical MS lesions with phase-sensitive inversion recovery MRI. <i>Journal of Neurology, Neurosurgery and Psychiatry</i> , 2012, 83, 877-882.	0.9	132
4	Loss of phosphodiesterase 10A expression is associated with progression and severity in Parkinson's disease. <i>Brain</i> , 2015, 138, 3003-3015.	3.7	100
5	Brain structure correlates of emotion-based rash impulsivity. <i>NeuroImage</i> , 2015, 115, 138-146.	2.1	99
6	Measuring forgetting: A critical review of accelerated long-term forgetting studies. <i>Cortex</i> , 2014, 54, 16-32.	1.1	97
7	Reduced gamma-aminobutyric acid concentration is associated with physical disability in progressive multiple sclerosis. <i>Brain</i> , 2015, 138, 2584-2595.	3.7	95
8	Accelerated forgetting of real-life events in Transient Epileptic Amnesia. <i>Neuropsychologia</i> , 2010, 48, 3235-3244.	0.7	91
9	Altered PDE10A expression detectable early before symptomatic onset in Huntington's disease. <i>Brain</i> , 2015, 138, 3016-3029.	3.7	90
10	In Vivo Assessment of Brain White Matter Inflammation in Multiple Sclerosis with <sup>18</sup> F-PBR111 PET. <i>Journal of Nuclear Medicine</i> , 2014, 55, 1112-1118.	2.8	82
11	Hippocampal and Deep Gray Matter Nuclei Atrophy Is Relevant for Explaining Cognitive Impairment in MS: A Multicenter Study. <i>American Journal of Neuroradiology</i> , 2017, 38, 18-24.	1.2	80
12	Magnetization transfer ratio measures in normal-appearing white matter show periventricular gradient abnormalities in multiple sclerosis. <i>Brain</i> , 2015, 138, 1239-1246.	3.7	78
13	Memory in multiple sclerosis is linked to glutamate concentration in grey matter regions. <i>Journal of Neurology, Neurosurgery and Psychiatry</i> , 2014, 85, 833-839.	0.9	77
14	Functional correlates of cognitive dysfunction in multiple sclerosis: A multicenter fMRI Study. <i>Human Brain Mapping</i> , 2014, 35, 5799-5814.	1.9	73
15	Remote memory deficits in transient epileptic amnesia. <i>Brain</i> , 2010, 133, 1368-1379.	3.7	69
16	Accelerated long-term forgetting in temporal lobe but not idiopathic generalised epilepsy. <i>Neuropsychologia</i> , 2011, 49, 2417-2426.	0.7	55
17	Reduced dynamics of functional connectivity and cognitive impairment in multiple sclerosis. <i>Multiple Sclerosis Journal</i> , 2020, 26, 476-488.	1.4	54
18	Investigation of outer cortical magnetisation transfer ratio abnormalities in multiple sclerosis clinical subgroups. <i>Multiple Sclerosis Journal</i> , 2014, 20, 1322-1330.	1.4	53

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19	Relationship of grey and white matter abnormalities with distance from the surface of the brain in multiple sclerosis. <i>Journal of Neurology, Neurosurgery and Psychiatry</i> , 2016, 87, 1212-1217.	0.9	53
20	An fMRI study of long-term everyday memory using SenseCam. <i>Memory</i> , 2011, 19, 733-744.	0.9	45
21	MS Cortical Lesions on DIR: Not Quite What They Seem?. <i>PLoS ONE</i> , 2013, 8, e78879.	1.1	43
22	Motor network efficiency and disability in multiple sclerosis. <i>Neurology</i> , 2015, 85, 1115-1122.	1.5	40
23	Structural connections support emotional connections: Uncinate Fasciculus microstructure is related to the ability to decode facial emotion expressions. <i>Neuropsychologia</i> , 2020, 145, 106562.	0.7	40
24	DIR-visible grey matter lesions and atrophy in multiple sclerosis: partners in crime?. <i>Journal of Neurology, Neurosurgery and Psychiatry</i> , 2016, 87, 461-467.	0.9	38
25	The right VLPFC and downregulation of social pain: A TMS study. <i>Human Brain Mapping</i> , 2020, 41, 1362-1371.	1.9	38
26	Novel forms of forgetting in temporal lobe epilepsy. <i>Epilepsy and Behavior</i> , 2013, 26, 335-342.	0.9	36
27	The grey matter correlates of impaired decision-making in multiple sclerosis. <i>Journal of Neurology, Neurosurgery and Psychiatry</i> , 2015, 86, 530-536.	0.9	30
28	White matter tract abnormalities are associated with cognitive dysfunction in secondary progressive multiple sclerosis. <i>Multiple Sclerosis Journal</i> , 2016, 22, 1429-1437.	1.4	30
29	Neural substrates for anticipation and consumption of social and monetary incentives in depression. <i>Social Cognitive and Affective Neuroscience</i> , 2019, 14, 815-826.	1.5	30
30	Correlates of Executive Functions in Multiple Sclerosis Based on Structural and Functional MR Imaging: Insights from a Multicenter Study. <i>Radiology</i> , 2016, 280, 869-879.	3.6	29
31	Cervical cord area measurement using volumetric brain magnetic resonance imaging in multiple sclerosis. <i>Multiple Sclerosis and Related Disorders</i> , 2015, 4, 52-57.	0.9	28
32	Characteristics of lesional and extra-lesional cortical grey matter in relapsing and secondary progressive multiple sclerosis: A magnetisation transfer and diffusion tensor imaging study. <i>Multiple Sclerosis Journal</i> , 2016, 22, 150-159.	1.4	26
33	The neural correlates of everyday recognition memory. <i>Brain and Cognition</i> , 2011, 76, 369-381.	0.8	21
34	Examining the effectiveness of acetylcholinesterase inhibitors and stimulant-based medications for cognitive dysfunction in multiple sclerosis: A systematic review and meta-analysis. <i>Neuroscience and Biobehavioral Reviews</i> , 2018, 86, 99-107.	2.9	18
35	Mechanisms of Network Changes in Cognitive Impairment in Multiple Sclerosis. <i>Neurology</i> , 2021, 97, e1886-e1897.	1.5	18
36	Diffusion MRI-based cortical complexity alterations associated with executive function in multiple sclerosis. <i>Journal of Magnetic Resonance Imaging</i> , 2013, 38, 54-63.	1.9	17

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37	A longitudinal study of cortical grey matter lesion subtypes in relapse-onset multiple sclerosis. <i>Journal of Neurology, Neurosurgery and Psychiatry</i> , 2016, 87, 750-753.	0.9	17
38	Topographic separation of fornical fibers associated with the anterior and posterior hippocampus in the human brain: An <scp>MRI</scp>â€diffusion study. <i>Brain and Behavior</i> , 2017, 7, e00604.	1.0	17
39	Are there distinct forms of accelerated forgetting and, if so, why?. <i>Cortex</i> , 2019, 110, 115-126.	1.1	17
40	Cortical and subcortical functional specificity associated with response inhibition. <i>NeuroImage</i> , 2020, 220, 117110.	2.1	17
41	Regional patterns of grey matter atrophy and magnetisation transfer ratio abnormalities in multiple sclerosis clinical subgroups: A voxel-based analysis study. <i>Multiple Sclerosis Journal</i> , 2015, 21, 423-432.	1.4	16
42	HLA-DRB*1501 associations with magnetic resonance imaging measures of grey matter pathology in multiple sclerosis. <i>Multiple Sclerosis and Related Disorders</i> , 2016, 7, 47-52.	0.9	14
43	Third International Congress on Epilepsy, Brain and Mind: Part 1. <i>Epilepsy and Behavior</i> , 2015, 50, 116-137.	0.9	13
44	Failed replications, contributing factors andÂcarefulÂinterpretations: Commentary onÂBoekeleÂetÂal., 2015. <i>Cortex</i> , 2016, 74, 338-342.	1.1	12
45	The role of phosphodiesterase 4 in excessive daytime sleepiness in Parkinson's disease. <i>Parkinsonism and Related Disorders</i> , 2020, 77, 163-169.	1.1	11
46	Reconstructing contralateral fiber tracts: methodological aspect of cerebello-thalamo-cortical pathway reconstruction. <i>Functional Neurology</i> , 2016, 31, 229-238.	1.3	11
47	Emotion regulation of social exclusion: a cross-cultural study. <i>Humanities and Social Sciences Communications</i> , 2021, 8, .	1.3	9
48	A Systematic Review of Resting-State Functional MRI Connectivity Changes and Cognitive Impairment in Multiple Sclerosis. <i>Brain Connectivity</i> , 2021, , .	0.8	9
49	Neural substrates of expectancy violation associated with social feedback in individuals with subthreshold depression. <i>Psychological Medicine</i> , 2020, , 1-9.	2.7	7
50	Brain structure correlates of expected social threat and reward. <i>Scientific Reports</i> , 2020, 10, 18010.	1.6	7
51	Multi-channel registration of fractional anisotropy and T1-weighted images in the presence of atrophy: application to multiple sclerosis. <i>Functional Neurology</i> , 2015, 30, 245-56.	1.3	6
52	White matter changes and social cognitive function in MS. <i>Neurology</i> , 2017, 89, 16-17.	1.5	5
53	Psychosocial stress has weaker than expected effects on episodic memory and related cognitive abilities: A meta-analysis. <i>Neuroscience and Biobehavioral Reviews</i> , 2022, 132, 1099-1113.	2.9	5
54	Sulcal and gyral crown cortical grey matter involvement in multiple sclerosis: A magnetisation transfer ratio study. <i>Multiple Sclerosis and Related Disorders</i> , 2013, 2, 204-212.	0.9	4

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55	The enigma of long-term forgetting. <i>Seizure: the Journal of the British Epilepsy Association</i> , 2012, 21, 77-78.	0.9	3
56	LOBAR DISTRIBUTION OF CORTICAL GREY MATTER LESIONS IN MULTIPLE SCLEROSIS CLINICAL SUBGROUPS. <i>Journal of Neurology, Neurosurgery and Psychiatry</i> , 2013, 84, e2.99-e2.	0.9	3
57	Comment: Dual tasks as a sensitive measure of cognitive deficits in MS. <i>Neurology</i> , 2016, 87, 1090-1090.	1.5	2
58	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. <i>Multiple Sclerosis and Related Disorders</i> , 2018, 19, 168-170.	0.9	2
59	Dalfampridine improves slowed processing speed in MS. <i>Neurology</i> , 2019, 93, 325-326.	1.5	2
60	Understanding intellectual enrichment: how cognitive reserve impacts on hippocampal volume in multiple sclerosis. <i>European Journal of Neurology</i> , 2016, 23, 9-10.	1.7	1
61	A protocol for a randomised controlled, double-blind feasibility trial investigating fluoxetine treatment in improving memory and learning impairments in patients with mesial temporal lobe epilepsy: Fluoxetine, Learning and Memory in Epilepsy (FLAME trial). <i>Pilot and Feasibility Studies</i> , 2019, 5, 87.	0.5	1
62	Editorial. <i>Functional Neurology</i> , 2016, 31, 5-6.	1.3	1
63	A tractometry principal component analysis of white matter tract network structure and relationships with cognitive function in relapsing-remitting multiple sclerosis. <i>NeuroImage: Clinical</i> , 2022, 34, 102995.	1.4	1
64	NETWORK EFFICIENCY AND COGNITIVE DEFICITS IN MS. <i>Journal of Neurology, Neurosurgery and Psychiatry</i> , 2014, 85, e4.48-e4.	0.9	0
65	Brain Morphometry in Multiple Sclerosis. <i>NeuroMethods</i> , 2018, , 279-300.	0.2	0
66	Neuroanatomical correlates of working memory performance in Neurofibromatosis 1. <i>Cerebral Cortex Communications</i> , 2022, 3, .	0.7	0