

Menno M Schoonheim

List of Publications by Year in descending order

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Version: 2024-02-01

107
papers

5,689
citations

94433

37
h-index

88630

70
g-index

118
all docs

118
docs citations

118
times ranked

7046
citing authors

#	ARTICLE	IF	CITATIONS
1	Disability in multiple sclerosis is related to thalamic connectivity and cortical network atrophy. <i>Multiple Sclerosis Journal</i> , 2022, 28, 61-70.	3.0	20
2	Functional network dynamics and decreased conscientiousness in multiple sclerosis. <i>Journal of Neurology</i> , 2022, 269, 2696-2706.	3.6	9
3	Comparing diagnostic criteria for the diagnosis of neurocognitive disorders in multiple sclerosis. <i>Multiple Sclerosis and Related Disorders</i> , 2022, 58, 103479.	2.0	9
4	Structure-function coupling as a correlate and potential biomarker of cognitive impairment in multiple sclerosis. <i>Network Neuroscience</i> , 2022, 6, 339-356.	2.6	9
5	Structural (dys)connectivity associates with cholinergic cell density in Alzheimer's disease. <i>Brain</i> , 2022, 145, 2869-2881.	7.6	15
6	Glutamate levels across deep brain structures in patients with a psychotic disorder and its relation to cognitive functioning. <i>Journal of Psychopharmacology</i> , 2022, 36, 489-497.	4.0	2
7	A more unstable resting-state functional network in cognitively declining multiple sclerosis. <i>Brain Communications</i> , 2022, 4, .	3.3	8
8	A randomized trial predicting response to cognitive rehabilitation in multiple sclerosis: Is there a window of opportunity?. <i>Multiple Sclerosis Journal</i> , 2022, 28, 2124-2136.	3.0	8
9	Increased functional sensorimotor network efficiency relates to disability in multiple sclerosis. <i>Multiple Sclerosis Journal</i> , 2021, 27, 1364-1373.	3.0	15
10	Functional brain network organization measured with magnetoencephalography predicts cognitive decline in multiple sclerosis. <i>Multiple Sclerosis Journal</i> , 2021, 27, 1727-1737.	3.0	12
11	The sequence of structural, functional and cognitive changes in multiple sclerosis. <i>NeuroImage: Clinical</i> , 2021, 29, 102550.	2.7	21
12	Mind the gap: from neurons to networks to outcomes in multiple sclerosis. <i>Nature Reviews Neurology</i> , 2021, 17, 173-184.	10.1	46
13	Dorsal attention network centrality increases during recovery from acute stress exposure. <i>NeuroImage: Clinical</i> , 2021, 31, 102721.	2.7	6
14	Development and evaluation of a manual segmentation protocol for deep grey matter in multiple sclerosis: Towards accelerated semi-automated references. <i>NeuroImage: Clinical</i> , 2021, 30, 102659.	2.7	3
15	The cerebellum and its network: Disrupted static and dynamic functional connectivity patterns and cognitive impairment in multiple sclerosis. <i>Multiple Sclerosis Journal</i> , 2021, 27, 2031-2039.	3.0	19
16	Functional correlates of motor control impairments in multiple sclerosis: A 7 Tesla task <scp>functional MRI</scp> study. <i>Human Brain Mapping</i> , 2021, 42, 2569-2582.	3.6	7
17	Coupling structure and function in early MS: How a less diverse repertoire of brain function could lead to clinical progression. <i>Multiple Sclerosis Journal</i> , 2021, 27, 491-493.	3.0	5
18	Axonal loss in major sensorimotor tracts is associated with impaired motor performance in minimally disabled multiple sclerosis patients. <i>Brain Communications</i> , 2021, 3, fcab032.	3.3	11

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19	Understanding Global Brain Network Alterations in Glioma Patients. <i>Brain Connectivity</i> , 2021, 11, 865-874.	1.7	20
20	Longitudinal Network Changes and Conversion to Cognitive Impairment in Multiple Sclerosis. <i>Neurology</i> , 2021, 97, e794-e802.	1.1	19
21	Ongoing Axonal Injury in Chronic Active Lesions in Multiple Sclerosis. <i>Neurology</i> , 2021, 97, 257-258.	1.1	0
22	Structural network topology and microstructural alterations of the anterior insula associate with cognitive and affective impairment in Parkinson's disease. <i>Scientific Reports</i> , 2021, 11, 16021.	3.3	10
23	A Systematic Review of Resting-State Functional MRI Connectivity Changes and Cognitive Impairment in Multiple Sclerosis. <i>Brain Connectivity</i> , 2021, , .	1.7	9
24	Dynamic functional connectivity as a neural correlate of fatigue in multiple sclerosis. <i>NeuroImage: Clinical</i> , 2021, 29, 102556.	2.7	21
25	Impaired saccadic eye movements in multiple sclerosis are related to altered functional connectivity of the oculomotor brain network. <i>NeuroImage: Clinical</i> , 2021, 32, 102848.	2.7	4
26	B-Cell Depletion and COVID-19 Severity in Multiple Sclerosis. <i>Neurology</i> , 2021, 97, 885-886.	1.1	0
27	A pilot study of the effects of running training on visuospatial memory in MS: A stronger functional embedding of the hippocampus in the default-mode network?. <i>Multiple Sclerosis Journal</i> , 2020, 26, 1594-1598.	3.0	17
28	Long-range connections are more severely damaged and relevant for cognition in multiple sclerosis. <i>Brain</i> , 2020, 143, 150-160.	7.6	52
29	Introducing Multiple Screener: An unsupervised digital screening tool for cognitive deficits in MS. <i>Multiple Sclerosis and Related Disorders</i> , 2020, 38, 101479.	2.0	9
30	Anterior insular network disconnection and cognitive impairment in Parkinson's disease. <i>NeuroImage: Clinical</i> , 2020, 28, 102364.	2.7	20
31	Functional connectivity between resting-state networks reflects decline in executive function in Parkinson's disease: A longitudinal fMRI study. <i>NeuroImage: Clinical</i> , 2020, 28, 102468.	2.7	15
32	Histopathology-validated recommendations for cortical lesion imaging in multiple sclerosis. <i>Brain</i> , 2020, 143, 2988-2997.	7.6	24
33	Identifying Progression in Multiple Sclerosis: New Perspectives. <i>Annals of Neurology</i> , 2020, 88, 438-452.	5.3	67
34	Mapping functional brain networks from the structural connectome: Relating the series expansion and eigenmode approaches. <i>NeuroImage</i> , 2020, 216, 116805.	4.2	40
35	Evaluation of the Central Vein Sign as a Diagnostic Imaging Biomarker in Multiple Sclerosis. <i>JAMA Neurology</i> , 2019, 76, 1446.	9.0	119
36	Plasma proteome in multiple sclerosis disease progression. <i>Annals of Clinical and Translational Neurology</i> , 2019, 6, 1582-1594.	3.7	21

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37	Functional Network Dynamics on Functional MRI: A Primer on an Emerging Frontier in Neuroscience. <i>Radiology</i> , 2019, 292, 460-463.	7.3	4
38	Reduced Network Dynamics on Functional MRI Signals Cognitive Impairment in Multiple Sclerosis. <i>Radiology</i> , 2019, 292, 449-457.	7.3	51
39	The road ahead in clinical network neuroscience. <i>Network Neuroscience</i> , 2019, 3, 969-993.	2.6	37
40	Cortical atrophy accelerates as cognitive decline worsens in multiple sclerosis. <i>Neurology</i> , 2019, 93, e1348-e1359.	1.1	53
41	P14.53 Deconstructing pathologically increased MEG network clustering in glioma patients. <i>Neuro-Oncology</i> , 2019, 21, iii79-iii79.	1.2	1
42	What Causes Deep Gray Matter Atrophy in Multiple Sclerosis?. <i>American Journal of Neuroradiology</i> , 2019, 40, 107-108.	2.4	9
43	Resting-state MEG measurement of functional activation as a biomarker for cognitive decline in MS. <i>Multiple Sclerosis Journal</i> , 2019, 25, 1896-1906.	3.0	19
44	Structural network topology relates to tissue properties in multiple sclerosis. <i>Journal of Neurology</i> , 2019, 266, 212-222.	3.6	9
45	Predicting clinical progression in multiple sclerosis after 6 and 12 years. <i>European Journal of Neurology</i> , 2019, 26, 893-902.	3.3	40
46	Acid sphingomyelinase: No potential as a biomarker for multiple sclerosis. <i>Multiple Sclerosis and Related Disorders</i> , 2019, 28, 44-49.	2.0	7
47	Gray matter networks and cognitive impairment in multiple sclerosis. <i>Multiple Sclerosis Journal</i> , 2019, 25, 382-391.	3.0	39
48	Explaining the heterogeneity of functional connectivity findings in multiple sclerosis: An empirically informed modeling study. <i>Human Brain Mapping</i> , 2018, 39, 2541-2548.	3.6	40
49	The value of including thalamic atrophy as a clinical trial endpoint in multiple sclerosis. <i>Neurology</i> , 2018, 90, 677-678.	1.1	16
50	Metabolites predict lesion formation and severity in relapsing-remitting multiple sclerosis. <i>Multiple Sclerosis Journal</i> , 2018, 24, 491-500.	3.0	24
51	Cognitive impairment in patients with multiple sclerosis is associated with atrophy of the inner retinal layers. <i>Multiple Sclerosis Journal</i> , 2018, 24, 158-166.	3.0	49
52	No Plasmatic Proteomic Signature at Clinical Disease Onset Associated With 11 Year Clinical, Cognitive and MRI Outcomes in Relapsing-Remitting Multiple Sclerosis Patients. <i>Frontiers in Molecular Neuroscience</i> , 2018, 11, 371.	2.9	3
53	Is impaired information processing speed a matter of structural or functional damage in MS?. <i>NeuroImage: Clinical</i> , 2018, 20, 844-850.	2.7	30
54	Determinants of Cognitive Impairment in Patients with Multiple Sclerosis with and without Atrophy. <i>Radiology</i> , 2018, 288, 544-551.	7.3	40

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55	Predicting cognitive decline in multiple sclerosis: a 5-year follow-up study. <i>Brain</i> , 2018, 141, 2605-2618.	7.6	113
56	Structural and Functional Neuroimaging in Multiple Sclerosis: From Atrophy, Lesions to Global Network Disruption. , 2018, , 171-213.		1
57	Staging of cortical and deep grey matter functional connectivity changes in multiple sclerosis. <i>Journal of Neurology, Neurosurgery and Psychiatry</i> , 2018, 89, 205-210.	1.9	26
58	Increased default-mode network centrality in cognitively impaired multiple sclerosis patients. <i>Neurology</i> , 2017, 88, 952-960.	1.1	91
59	Functional reorganization is a maladaptive response to injury â€“ Commentary. <i>Multiple Sclerosis Journal</i> , 2017, 23, 194-196.	3.0	21
60	Altered eigenvector centrality is related to local restingâ€state network functional connectivity in patients with longstanding type 1 diabetes mellitus. <i>Human Brain Mapping</i> , 2017, 38, 3623-3636.	3.6	33
61	In-vivo imaging of meningeal inflammation in multiple sclerosis: Presence of evidence or evidence of presence?. <i>Multiple Sclerosis Journal</i> , 2017, 23, 1169-1171.	3.0	5
62	Increased connectivity of hub networks and cognitive impairment in multiple sclerosis. <i>Neurology</i> , 2017, 88, 2107-2114.	1.1	62
63	Loss of Functional Connectivity in Patients with Parkinson Disease and Visual Hallucinations. <i>Radiology</i> , 2017, 285, 896-903.	7.3	44
64	Damaged fiber tracts of the nucleus basalis of Meynert in Parkinsonâ€™s disease patients with visual hallucinations. <i>Scientific Reports</i> , 2017, 7, 10112.	3.3	36
65	Agreement of MSmetrix with established methods for measuring cross-sectional and longitudinal brain atrophy. <i>NeuroImage: Clinical</i> , 2017, 15, 843-853.	2.7	32
66	Subgenual Cingulate Cortex Functional Connectivity in Relation to Depressive Symptoms and Cognitive Functioning in Type 1 Diabetes Mellitus Patients. <i>Psychosomatic Medicine</i> , 2016, 78, 740-749.	2.0	16
67	Disrupted topological organization of structural and functional brain connectomes in clinically isolated syndrome and multiple sclerosis. <i>Scientific Reports</i> , 2016, 6, 29383.	3.3	65
68	White Matter Diffusion Changes during the First Year of Natalizumab Treatment in Relapsing-Remitting Multiple Sclerosis. <i>American Journal of Neuroradiology</i> , 2016, 37, 1030-1037.	2.4	10
69	Multi-parametric structural magnetic resonance imaging in relation to cognitive dysfunction in long-standing multiple sclerosis. <i>Multiple Sclerosis Journal</i> , 2016, 22, 608-619.	3.0	44
70	Grey Matter Atrophy in Multiple Sclerosis: Clinical Interpretation Depends on Choice of Analysis Method. <i>PLoS ONE</i> , 2016, 11, e0143942.	2.5	45
71	Network Collapse and Cognitive Impairment in Multiple Sclerosis. <i>Frontiers in Neurology</i> , 2015, 6, 82.	2.4	168
72	Functional brain networks: Linking thalamic atrophy to clinical disability in multiple sclerosis, a multimodal fMRI and MEG Study. <i>Human Brain Mapping</i> , 2015, 36, 603-618.	3.6	96

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73	Thalamus structure and function determine severity of cognitive impairment in multiple sclerosis. <i>Neurology</i> , 2015, 84, 776-783.	1.1	180
74	Enhanced Axonal Metabolism during Early Natalizumab Treatment in Relapsing-Remitting Multiple Sclerosis. <i>American Journal of Neuroradiology</i> , 2015, 36, 1116-1123.	2.4	16
75	Memory impairment in multiple sclerosis: Relevance of hippocampal activation and hippocampal connectivity. <i>Multiple Sclerosis Journal</i> , 2015, 21, 1705-1712.	3.0	62
76	Structural MRI substrates of cognitive impairment in neuromyelitis optica. <i>Neurology</i> , 2015, 85, 1491-1499.	1.1	63
77	Functional connectivity and cognitive decline over 3 years in Parkinson disease. <i>Neurology</i> , 2014, 83, 2046-2053.	1.1	135
78	Longitudinal absolute metabolite quantification of white and gray matter regions in healthy controls using proton MR spectroscopic imaging. <i>NMR in Biomedicine</i> , 2014, 27, 304-311.	2.8	23
79	Changes in functional network centrality underlie cognitive dysfunction and physical disability in multiple sclerosis. <i>Multiple Sclerosis Journal</i> , 2014, 20, 1058-1065.	3.0	69
80	Differential impact of subclinical carotid artery disease on cerebral structure and functioning in type 1 diabetes patients with versus those without proliferative retinopathy. <i>Cardiovascular Diabetology</i> , 2014, 13, 58.	6.8	6
81	Functional brain network analysis using minimum spanning trees in Multiple Sclerosis: An MEG source-space study. <i>NeuroImage</i> , 2014, 88, 308-318.	4.2	126
82	Ventral Striatum, but Not Cortical Volume Loss, Is Related to Cognitive Dysfunction in Type 1 Diabetic Patients With and Without Microangiopathy. <i>Diabetes Care</i> , 2014, 37, 2483-2490.	8.6	31
83	Sex-specific extent and severity of white matter damage in multiple sclerosis: Implications for cognitive decline. <i>Human Brain Mapping</i> , 2014, 35, 2348-2358.	3.6	66
84	Structural degree predicts functional network connectivity: A multimodal resting-state fMRI and MEG study. <i>NeuroImage</i> , 2014, 97, 296-307.	4.2	125
85	Functional connectivity changes in multiple sclerosis patients: A graph analytical study of MEG resting state data. <i>Human Brain Mapping</i> , 2013, 34, 52-61.	3.6	106
86	Cognition in MS correlates with resting-state oscillatory brain activity: An explorative MEG source-space study. <i>NeuroImage: Clinical</i> , 2013, 2, 727-734.	2.7	33
87	Functional segmentation of the hippocampus in the healthy human brain and in Alzheimer's disease. <i>NeuroImage</i> , 2013, 66, 28-35.	4.2	85
88	Clinical significance of atrophy and white matter mean diffusivity within the thalamus of multiple sclerosis patients. <i>Multiple Sclerosis Journal</i> , 2013, 19, 1478-1484.	3.0	85
89	Cognitive and Clinical Dysfunction, Altered MEG Resting-State Networks and Thalamic Atrophy in Multiple Sclerosis. <i>PLoS ONE</i> , 2013, 8, e69318.	2.5	68
90	Functional plasticity in MS. <i>Neurology</i> , 2012, 79, 1418-1419.	1.1	18

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91	Gender-related differences in functional connectivity in multiple sclerosis. <i>Multiple Sclerosis Journal</i> , 2012, 18, 164-173.	3.0	89
92	Resting-State Brain Networks in Type 1 Diabetic Patients With and Without Microangiopathy and Their Relation to Cognitive Functions and Disease Variables. <i>Diabetes</i> , 2012, 61, 1814-1821.	0.6	109
93	Subcortical atrophy and cognition. <i>Neurology</i> , 2012, 79, 1754-1761.	1.1	181
94	Resting-state fMRI changes in Alzheimer's disease and mild cognitive impairment. <i>Neurobiology of Aging</i> , 2012, 33, 2018-2028.	3.1	337
95	Cognitive Dysfunction in Early Multiple Sclerosis: Altered Centrality Derived from Resting-State Functional Connectivity Using Magneto-Encephalography. <i>PLoS ONE</i> , 2012, 7, e42087.	2.5	56
96	Functional adaptive changes within the hippocampal memory system of patients with multiple sclerosis. <i>Human Brain Mapping</i> , 2012, 33, 2268-2280.	3.6	68
97	Diffusion tensor imaging in type 1 diabetes: decreased white matter integrity relates to cognitive functions. <i>Diabetologia</i> , 2012, 55, 1218-1220.	6.3	58
98	MEG Network Differences between Low- and High-Grade Glioma Related to Epilepsy and Cognition. <i>PLoS ONE</i> , 2012, 7, e50122.	2.5	100
99	Cognition is related to resting-state small-world network topology: an magnetoencephalographic study. <i>Neuroscience</i> , 2011, 175, 169-177.	2.3	150
100	The limits of functional reorganization in multiple sclerosis. <i>Neurology</i> , 2010, 74, 1246-1247.	1.1	104
101	Resting state networks change in clinically isolated syndrome. <i>Brain</i> , 2010, 133, 1612-1621.	7.6	215
102	Loss of "Small-World" Networks in Alzheimer's Disease: Graph Analysis of fMRI Resting-State Functional Connectivity. <i>PLoS ONE</i> , 2010, 5, e13788.	2.5	523
103	Learning by observation requires an early sleep window. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , 2009, 106, 18926-18930.	7.1	48
104	Sleep benefits subsequent hippocampal functioning. <i>Nature Neuroscience</i> , 2009, 12, 122-123.	14.8	267
105	Collapsing networks: new avenues for functional connectivity analyses in multiple sclerosis. <i>Swiss Archives of Neurology, Psychiatry and Psychotherapy</i> , 0, , .	0.1	0
106	State Changes During Resting-State (Magneto)encephalographic Studies: The Effect of Drowsiness on Spectral, Connectivity, and Network Analyses. <i>Frontiers in Neuroscience</i> , 0, 16, .	2.8	5
107	Altered functional brain states predict cognitive decline 5 years after a clinically isolated syndrome. <i>Multiple Sclerosis Journal</i> , 0, , 135245852211014.	3.0	1