Menno M Schoonheim

List of Publications by Year
in descending order

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107	5,689	94381 37	88593 70
papers	citations	h-index	g-index

118	118	118	7046
all docs	docs citations	times ranked	citing authors

#	Article	IF	Citations
1	Loss of â€˜Small-Worldâ€™ Networks in Alzheimer's Disease: Graph Analysis of fMRI Resting-State Functional Connectivity. PLoS ONE, 2010, 5, e13788.	1.1	523
2	Resting-state fMRI changes in Alzheimer's disease and mild cognitive impairment. Neurobiology of Aging, 2012, 33, 2018-2028.	1.5	337
3	Sleep benefits subsequent hippocampal functioning. Nature Neuroscience, 2009, 12, 122-123.	7.1	267
4	Resting state networks change in clinically isolated syndrome. Brain, 2010, 133, 1612-1621.	3.7	215
5	Subcortical atrophy and cognition. Neurology, 2012, 79, 1754-1761.	1.5	181
6	Thalamus structure and function determine severity of cognitive impairment in multiple sclerosis. Neurology, 2015, 84, 776-783.	1.5	180
7	Network Collapse and Cognitive Impairment in Multiple Sclerosis. Frontiers in Neurology, 2015, 6, 82.	1.1	168
8	Cognition is related to resting-state small-world network topology: an magnetoencephalographic study. Neuroscience, 2011, 175, 169-177.	1.1	150
9	Functional connectivity and cognitive decline over 3 years in Parkinson disease. Neurology, 2014, 83, 2046-2053.	1.5	135
10	Functional brain network analysis using minimum spanning trees in Multiple Sclerosis: An MEG source-space study. NeuroImage, 2014, 88, 308-318.	2.1	126
11	Structural degree predicts functional network connectivity: A multimodal resting-state fMRI and MEG study. NeuroImage, 2014, 97, 296-307.	2.1	125
12	Evaluation of the Central Vein Sign as a Diagnostic Imaging Biomarker in Multiple Sclerosis. JAMA Neurology, 2019, 76, 1446.	4.5	119
13	Predicting cognitive decline in multiple sclerosis: a 5-year follow-up study. Brain, 2018, 141, 2605-2618.	3.7	113
14	Resting-State Brain Networks in Type 1 Diabetic Patients With and Without Microangiopathy and Their Relation to Cognitive Functions and Disease Variables. Diabetes, 2012, 61, 1814-1821.	0.3	109
15	Functional connectivity changes in multiple sclerosis patients: A graph analytical study of MEG resting state data. Human Brain Mapping, 2013, 34, 52-61.	1.9	106
16	The limits of functional reorganization in multiple sclerosis. Neurology, 2010, 74, 1246-1247.	1.5	104
17	MEG Network Differences between Low- and High-Grade Glioma Related to Epilepsy and Cognition. PLoS ONE, 2012, 7, e50122.	1.1	100
18	Functional brain networks: Linking thalamic atrophy to clinical disability in multiple sclerosis, a multimodal fMRI and MEG Study. Human Brain Mapping, 2015, 36, 603-618.	1.9	96

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19	Increased default-mode network centrality in cognitively impaired multiple sclerosis patients. Neurology, 2017, 88, 952-960.	1.5	91
20	Gender-related differences in functional connectivity in multiple sclerosis. Multiple Sclerosis Journal, 2012, 18, 164-173.	1.4	89
21	Functional segmentation of the hippocampus in the healthy human brain and in Alzheimer's disease. NeuroImage, 2013, 66, 28-35.	2.1	85
22	Clinical significance of atrophy and white matter mean diffusivity within the thalamus of multiple sclerosis patients. Multiple Sclerosis Journal, 2013, 19, 1478-1484.	1.4	85
23	Changes in functional network centrality underlie cognitive dysfunction and physical disability in multiple sclerosis. Multiple Sclerosis Journal, 2014, 20, 1058-1065.	1.4	69
24	Functional adaptive changes within the hippocampal memory system of patients with multiple sclerosis. Human Brain Mapping, 2012, 33, 2268-2280.	1.9	68
25	Cognitive and Clinical Dysfunction, Altered MEG Resting-State Networks and Thalamic Atrophy in Multiple Sclerosis. PLoS ONE, 2013, 8, e69318.	1.1	68
26	Identifying Progression in Multiple Sclerosis: New Perspectives. Annals of Neurology, 2020, 88, 438-452.	2.8	67
27	Sexâ€specific extent and severity of white matter damage in multiple sclerosis: Implications for cognitive decline. Human Brain Mapping, 2014, 35, 2348-2358.	1.9	66
28	Disrupted topological organization of structural and functional brain connectomes in clinically isolated syndrome and multiple sclerosis. Scientific Reports, 2016, 6, 29383.	1.6	65
29	Structural MRI substrates of cognitive impairment in neuromyelitis optica. Neurology, 2015, 85, 1491-1499.	1.5	63
30	Memory impairment in multiple sclerosis: Relevance of hippocampal activation and hippocampal connectivity. Multiple Sclerosis Journal, 2015, 21, 1705-1712.	1.4	62
31	Increased connectivity of hub networks and cognitive impairment in multiple sclerosis. Neurology, 2017, 88, 2107-2114.	1.5	62
32	Diffusion tensor imaging in type 1 diabetes: decreased white matter integrity relates to cognitive functions. Diabetologia, 2012, 55, 1218-1220.	2.9	58
33	Cognitive Dysfunction in Early Multiple Sclerosis: Altered Centrality Derived from Resting-State Functional Connectivity Using Magneto-Encephalography. PLoS ONE, 2012, 7, e42087.	1.1	56
34	Cortical atrophy accelerates as cognitive decline worsens in multiple sclerosis. Neurology, 2019, 93, e1348-e1359.	1.5	53
35	Long-range connections are more severely damaged and relevant for cognition in multiple sclerosis. Brain, 2020, 143, 150-160.	3.7	52
36	Reduced Network Dynamics on Functional MRI Signals Cognitive Impairment in Multiple Sclerosis. Radiology, 2019, 292, 449-457.	3.6	51

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37	Cognitive impairment in patients with multiple sclerosis is associated with atrophy of the inner retinal layers. Multiple Sclerosis Journal, 2018, 24, 158-166.	1.4	49
38	Learning by observation requires an early sleep window. Proceedings of the National Academy of Sciences of the United States of America, 2009, 106, 18926-18930.	3.3	48
39	Mind the gap: from neurons to networks to outcomes in multiple sclerosis. Nature Reviews Neurology, 2021, 17, 173-184.	4.9	46
40	Grey Matter Atrophy in Multiple Sclerosis: Clinical Interpretation Depends on Choice of Analysis Method. PLoS ONE, 2016, 11, e0143942.	1.1	45
41	Multi-parametric structural magnetic resonance imaging in relation to cognitive dysfunction in long-standing multiple sclerosis. Multiple Sclerosis Journal, 2016, 22, 608-619.	1.4	44
42	Loss of Functional Connectivity in Patients with Parkinson Disease and Visual Hallucinations. Radiology, 2017, 285, 896-903.	3.6	44
43	Explaining the heterogeneity of functional connectivity findings in multiple sclerosis: An empirically informed modeling study. Human Brain Mapping, 2018, 39, 2541-2548.	1.9	40
44	Determinants of Cognitive Impairment in Patients with Multiple Sclerosis with and without Atrophy. Radiology, 2018, 288, 544-551.	3.6	40
45	Predicting clinical progression in multiple sclerosis after 6 and 12Âyears. European Journal of Neurology, 2019, 26, 893-902.	1.7	40
46	Mapping functional brain networks from the structural connectome: Relating the series expansion and eigenmode approaches. NeuroImage, 2020, 216, 116805.	2.1	40
47	Gray matter networks and cognitive impairment in multiple sclerosis. Multiple Sclerosis Journal, 2019, 25, 382-391.	1.4	39
48	The road ahead in clinical network neuroscience. Network Neuroscience, 2019, 3, 969-993.	1.4	37
49	Damaged fiber tracts of the nucleus basalis of Meynert in Parkinsonâ€™s disease patients with visual hallucinations. Scientific Reports, 2017, 7, 10112.	1.6	36
50	Cognition in MS correlates with resting-state oscillatory brain activity: An explorative MEG source-space study. NeuroImage: Clinical, 2013, 2, 727-734.	1.4	33
51	Altered eigenvector centrality is related to local restingâ€state network functional connectivity in patients with longstanding type 1 diabetes mellitus. Human Brain Mapping, 2017, 38, 3623-3636.	1.9	33
52	Agreement of MSmetrix with established methods for measuring cross-sectional and longitudinal brain atrophy. NeuroImage: Clinical, 2017, 15, 843-853.	1.4	32
53	Ventral Striatum, but Not Cortical Volume Loss, Is Related to Cognitive Dysfunction in Type 1 Diabetic Patients With and Without Microangiopathy. Diabetes Care, 2014, 37, 2483-2490.	4.3	31
54	Is impaired information processing speed a matter of structural or functional damage in MS?. NeuroImage: Clinical, 2018, 20, 844-850.	1.4	30

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55	Staging of cortical and deep grey matter functional connectivity changes in multiple sclerosis. Journal of Neurology, Neurosurgery and Psychiatry, 2018, 89, 205-210.	0.9	26
56	Metabolites predict lesion formation and severity in relapsing-remitting multiple sclerosis. Multiple Sclerosis Journal, 2018, 24, 491-500.	1.4	24
57	Histopathology-validated recommendations for cortical lesion imaging in multiple sclerosis. Brain, 2020, 143, 2988-2997.	3.7	24
58	Longitudinal absolute metabolite quantification of white and gray matter regions in healthy controls using proton MR spectroscopic imaging. NMR in Biomedicine, 2014, 27, 304-311.	1.6	23
59	Functional reorganization is a maladaptive response to injury â€“ Commentary. Multiple Sclerosis Journal, 2017, 23, 194-196.	1.4	21
60	Plasma proteome in multiple sclerosis disease progression. Annals of Clinical and Translational Neurology, 2019, 6, 1582-1594.	1.7	21
61	The sequence of structural, functional and cognitive changes in multiple sclerosis. NeuroImage: Clinical, 2021, 29, 102550.	1.4	21
62	Dynamic functional connectivity as a neural correlate of fatigue in multiple sclerosis. NeuroImage: Clinical, 2021, 29, 102556.	1.4	21
63	Anterior insular network disconnection and cognitive impairment in Parkinsonâ€™s disease. NeuroImage: Clinical, 2020, 28, 102364.	1.4	20
64	Disability in multiple sclerosis is related to thalamic connectivity and cortical network atrophy. Multiple Sclerosis Journal, 2022, 28, 61-70.	1.4	20
65	Understanding Global Brain Network Alterations in Glioma Patients. Brain Connectivity, 2021, 11, 865-874.	0.8	20
66	Resting-state MEG measurement of functional activation as a biomarker for cognitive decline in MS. Multiple Sclerosis Journal, 2019, 25, 1896-1906.	1.4	19
67	The cerebellum and its network: Disrupted static and dynamic functional connectivity patterns and cognitive impairment in multiple sclerosis. Multiple Sclerosis Journal, 2021, 27, 2031-2039.	1.4	19
68	Longitudinal Network Changes and Conversion to Cognitive Impairment in Multiple Sclerosis. Neurology, 2021, 97, e794-e802.	1.5	19
69	Functional plasticity in MS. Neurology, 2012, 79, 1418-1419.	1.5	18
70	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?. Multiple Sclerosis Journal, 2020, 26, 1594-1598.	1.4	17
71	Enhanced Axonal Metabolism during Early Natalizumab Treatment in Relapsing-Remitting Multiple Sclerosis. American Journal of Neuroradiology, 2015, 36, 1116-1123.	1.2	16
72	Subgenual Cingulate Cortex Functional Connectivity in Relation to Depressive Symptoms and Cognitive Functioning in Type 1 Diabetes Mellitus Patients. Psychosomatic Medicine, 2016, 78, 740-749.	1.3	16

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73	The value of including thalamic atrophy as a clinical trial endpoint in multiple sclerosis. Neurology, 2018, 90, 677-678.	1.5	16
74	Functional connectivity between resting-state networks reflects decline in executive function in Parkinsonâ€™s disease: A longitudinal fMRI study. NeuroImage: Clinical, 2020, 28, 102468.	1.4	15
75	Increased functional sensorimotor network efficiency relates to disability in multiple sclerosis. Multiple Sclerosis Journal, 2021, 27, 1364-1373.	1.4	15
76	Structural (dys)connectivity associates with cholinergic cell density in Alzheimerâ€™s disease. Brain, 2022, 145, 2869-2881.	3.7	15
77	Functional brain network organization measured with magnetoencephalography predicts cognitive decline in multiple sclerosis. Multiple Sclerosis Journal, 2021, 27, 1727-1737.	1.4	12
78	Axonal loss in major sensorimotor tracts is associated with impaired motor performance in minimally disabled multiple sclerosis patients. Brain Communications, 2021, 3, fcab032.	1.5	11
79	White Matter Diffusion Changes during the First Year of Natalizumab Treatment in Relapsing-Remitting Multiple Sclerosis. American Journal of Neuroradiology, 2016, 37, 1030-1037.	1.2	10
80	Structural network topology and microstructural alterations of the anterior insula associate with cognitive and affective impairment in Parkinsonâ€™s disease. Scientific Reports, 2021, 11, 16021.	1.6	10
81	What Causes Deep Gray Matter Atrophy in Multiple Sclerosis?. American Journal of Neuroradiology, 2019, 40, 107-108.	1.2	9
82	Structural network topology relates to tissue properties in multiple sclerosis. Journal of Neurology, 2019, 266, 212-222.	1.8	9
83	Introducing Multiple Screener: An unsupervised digital screening tool for cognitive deficits in MS. Multiple Sclerosis and Related Disorders, 2020, 38, 101479.	0.9	9
84	A Systematic Review of Resting-State Functional MRI Connectivity Changes and Cognitive Impairment in Multiple Sclerosis. Brain Connectivity, 2021, , .	0.8	9
85	Functional network dynamics and decreased conscientiousness in multiple sclerosis. Journal of Neurology, 2022, 269, 2696-2706.	1.8	9
86	Comparing diagnostic criteria for the diagnosis of neurocognitive disorders in multiple sclerosis. Multiple Sclerosis and Related Disorders, 2022, 58, 103479.	0.9	9
87	Structure-function coupling as a correlate and potential biomarker of cognitive impairment in multiple sclerosis. Network Neuroscience, 2022, 6, 339-356.	1.4	9
88	A more unstable resting-state functional network in cognitively declining multiple sclerosis. Brain Communications, 2022, 4, .	1.5	8
89	A randomized trial predicting response to cognitive rehabilitation in multiple sclerosis: Is there a window of opportunity?. Multiple Sclerosis Journal, 2022, 28, 2124-2136.	1.4	8
90	Acid sphingomyelinase: No potential as a biomarker for multiple sclerosis. Multiple Sclerosis and Related Disorders, 2019, 28, 44-49.	0.9	7

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91	Functional correlates of motor control impairments in multiple sclerosis: A 7 Tesla task <scp>functional MRI</scp> study. Human Brain Mapping, 2021, 42, 2569-2582.	1.9	7
92	Differential impact of subclinical carotid artery disease on cerebral structure and functioning in type 1 diabetes patients with versus those without proliferative retinopathy. Cardiovascular Diabetology, 2014, 13, 58.	2.7	6
93	Dorsal attention network centrality increases during recovery from acute stress exposure. NeuroImage: Clinical, 2021, 31, 102721.	1.4	6
94	In-vivo imaging of meningeal inflammation in multiple sclerosis: Presence of evidence or evidence of presence?. Multiple Sclerosis Journal, 2017, 23, 1169-1171.	1.4	5
95	Coupling structure and function in early MS: How a less diverse repertoire of brain function could lead to clinical progression. Multiple Sclerosis Journal, 2021, 27, 491-493.	1.4	5
96	State Changes During Resting-State (Magneto)encephalographic Studies: The Effect of Drowsiness on Spectral, Connectivity, and Network Analyses. Frontiers in Neuroscience, 0, 16, .	1.4	5
97	Functional Network Dynamics on Functional MRI: A Primer on an Emerging Frontier in Neuroscience. Radiology, 2019, 292, 460-463.	3.6	4
98	Impaired saccadic eye movements in multiple sclerosis are related to altered functional connectivity of the oculomotor brain network. NeuroImage: Clinical, 2021, 32, 102848.	1.4	4
99	No Plasmatic Proteomic Signature at Clinical Disease Onset Associated With 11 Year Clinical, Cognitive and MRI Outcomes in Relapsing-Remitting Multiple Sclerosis Patients. Frontiers in Molecular Neuroscience, 2018, 11, 371.	1.4	3
100	Development and evaluation of a manual segmentation protocol for deep grey matter in multiple sclerosis: Towards accelerated semi-automated references. NeuroImage: Clinical, 2021, 30, 102659.	1.4	3
101	Glutamate levels across deep brain structures in patients with a psychotic disorder and its relation to cognitive functioning. Journal of Psychopharmacology, 2022, 36, 489-497.	2.0	2
102	P14.53 Deconstructing pathologically increased MEG network clustering in glioma patients. Neuro-Oncology, 2019, 21, iii79-iii79.	0.6	1
103	Structural and Functional Neuroimaging in Multiple Sclerosis: From Atrophy, Lesions to Global Network Disruption. , 2018, , 171-213.		1
104	Altered functional brain states predict cognitive decline 5â€‰years after a clinically isolated syndrome. Multiple Sclerosis Journal, 0, , 135245852211014.	1.4	1
105	Ongoing Axonal Injury in Chronic Active Lesions in Multiple Sclerosis. Neurology, 2021, 97, 257-258.	1.5	0
106	B-Cell Depletion and COVID-19 Severity in Multiple Sclerosis. Neurology, 2021, 97, 885-886.	1.5	0
107	Collapsing networks: new avenues for functional connectivity analyses in multiple sclerosis. Swiss Archives of Neurology, Psychiatry and Psychotherapy, 0, , .	0.4	0