Martijn D Steenwijk

List of Publications by Year
in descending order

59 papers	2,538 citations	172207 29 h-index	205818 48 g-index
61 all docs	61 docs citations	61 times ranked	4211 citing authors

#	Article	IF	Citations
1	Alterations in the inferior fronto-occipital fasciculus â€“ a specific neural correlate of gender incongruence?. Psychological Medicine, 2023, 53, 3461-3470.	2.7	2
2	Automatic segmentation of head and neck primary tumors on MRI using a multi-view CNN. Cancer Imaging, 2022, 22, 8.	1.2	10
3	Artificial double inversion recovery images can substitute conventionally acquired images: an MRI-histology study. Scientific Reports, 2022, 12, 2620.	1.6	4
4	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
5	Cortical axonal loss is associated with both gray matter demyelination and white matter tract pathology in progressive multiple sclerosis: Evidence from a combined MRI-histopathology study. Multiple Sclerosis Journal, 2021, 27, 380-390.	1.4	13
6	Tissue Transglutaminase Expression Associates With Progression of Multiple Sclerosis. Neurology: Neuroimmunology and NeuroInflammation, 2021, 8, .	3.1	4
7	Multi-view convolutional neural networks for automated ocular structure and tumor segmentation in retinoblastoma. Scientific Reports, 2021, 11, 14590.	1.6	16
8	Artificial double inversion recovery images for (juxta)cortical lesion visualization in multiple sclerosis. Multiple Sclerosis Journal, 2021, , 135245852110298.	1.4	11
9	Dynamic functional connectivity as a neural correlate of fatigue in multiple sclerosis. NeuroImage: Clinical, 2021, 29, 102556.	1.4	21
10	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
11	Long-range connections are more severely damaged and relevant for cognition in multiple sclerosis. Brain, 2020, 143, 150-160.	3.7	52
12	Relationship between Î²-amyloid and structural network topology in decedents without dementia. Neurology, 2020, 95, e532-e544.	1.5	17
13	Histopathology-validated recommendations for cortical lesion imaging in multiple sclerosis. Brain, 2020, 143, 2988-2997.	3.7	24
14	Plasma proteome in multiple sclerosis disease progression. Annals of Clinical and Translational Neurology, 2019, 6, 1582-1594.	1.7	21
15	Axonal degeneration as substrate of fractional anisotropy abnormalities in multiple sclerosis cortex. Brain, 2019, 142, 1921-1937.	3.7	38
16	Cortical atrophy accelerates as cognitive decline worsens in multiple sclerosis. Neurology, 2019, 93, e1348-e1359.	1.5	53
17	Can post-mortem MRI be used as a proxy for in vivo? A case study. Brain Communications, 2019, 1, fcz030.	1.5	17
18	Performance of five automated white matter hyperintensity segmentation methods in a multicenter dataset. Scientific Reports, 2019, 9, 16742.	1.6	38

#	Article	IF	Citations
19	Structural network topology relates to tissue properties in multiple sclerosis. Journal of Neurology, 2019, 266, 212-222.	1.8	9
20	Fronto-limbic disconnection in patients with multiple sclerosis and depression. Multiple Sclerosis Journal, 2019, 25, 715-726.	1.4	30
21	Gray matter networks and cognitive impairment in multiple sclerosis. Multiple Sclerosis Journal, 2019, 25, 382-391.	1.4	39
22	Reproducibility of Deep Gray Matter Atrophy Rate Measurement in a Large Multicenter Dataset. American Journal of Neuroradiology, 2018, 39, 46-53.	1.2	16
23	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
24	Accelerated executive functions decline and gray matter structural changes in middleâ€aged type 1 diabetes mellitus patients with proliferative retinopathy. Journal of Diabetes, 2018, 10, 835-846.	0.8	9
25	A discrete polar Stockwell transform for enhanced characterization of tissue structure using MRI. Magnetic Resonance in Medicine, 2018, 80, 2731-2743.	1.9	2
26	Cerebrospinal fluid mtDNA concentration is elevated in multiple sclerosis disease and responds to treatment. Multiple Sclerosis Journal, 2018, 24, 472-480.	1.4	30
27	P1â€478: LOWER STRUCTURAL DEGREE AND HIGHER LOCAL EFFICIENCY RELATED TO DIFFUSE AMYLOIDâ€BETA LOAD IN CORTEX OF NONâ€NEUROLOGICAL AGED DONORS. Alzheimer's and Dementia, 2018, 14, P508.	0.4	0
28	In vivo assessment of neuroinflammation in progressive multiple sclerosis: a proof of concept study with [18F]DPA714 PET. Journal of Neuroinflammation, 2018, 15, 314.	3.1	64
29	ICâ€Pâ€053: LOWER STRUCTURAL DEGREE AND HIGHER LOCAL EFFICIENCY RELATED TO DIFFUSE AMYLOIDâ€BETA LOAD IN CORTEX OF NONâ€NEUROLOGICAL AGED DONORS. Alzheimer's and Dementia, 2018, 14, P51.	0.4	0
30	Predicting cognitive decline in multiple sclerosis: a 5-year follow-up study. Brain, 2018, 141, 2605-2618.	3.7	113
31	Gray matter atrophy in dementia with Lewy bodies with and without concomitant Alzheimer's disease pathology. Neurobiology of Aging, 2018, 71, 171-178.	1.5	25
32	Increased default-mode network centrality in cognitively impaired multiple sclerosis patients. Neurology, 2017, 88, 952-960.	1.5	91
33	Performance of five research-domain automated WM lesion segmentation methods in a multi-center MS study. NeuroImage, 2017, 163, 106-114.	2.1	27
34	Agreement of MSmetrix with established methods for measuring cross-sectional and longitudinal brain atrophy. NeuroImage: Clinical, 2017, 15, 843-853.	1.4	32
35	Structureâ€function relationships in the visual system in multiple sclerosis: an <scp>MEG</scp> and <scp>OCT</scp> study. Annals of Clinical and Translational Neurology, 2017, 4, 614-621.	1.7	7
36	Causes, effects and connectivity changes in MS-related cognitive decline. Dementia E Neuropsychologia, 2016, 10, 2-11.	0.3	8

#	Article	IF	Citations
37	Heterogeneous Language Profiles in Patients with Primary Progressive Aphasia due to Alzheimerâ€™s Disease. Journal of Alzheimer's Disease, 2016, 51, 581-590.	1.2	35
38	Elevated CSF neurofilament proteins predict brain atrophy: A 15-year follow-up study. Multiple Sclerosis Journal, 2016, 22, 1154-1162.	1.4	48
39	White Matter Hyperintensity Volume and Cerebral Perfusion in Older Individuals with Hypertension Using Arterial Spin-Labeling. American Journal of Neuroradiology, 2016, 37, 1824-1830.	1.2	45
40	Multicenter Validation of Mean Upper Cervical Cord Area Measurements from Head 3D T1-Weighted MR Imaging in Patients with Multiple Sclerosis. American Journal of Neuroradiology, 2016, 37, 749-754.	1.2	30
41	Cortical atrophy patterns in multiple sclerosis are non-random and clinically relevant. Brain, 2016, 139, 115-126.	3.7	223
42	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
43	Different patterns of cortical gray matter loss over time in behavioral variant frontotemporal dementia and Alzheimer's disease. Neurobiology of Aging, 2016, 38, 21-31.	1.5	40
44	High-resolution T1-relaxation time mapping displays subtle, clinically relevant, gray matter damage in long-standing multiple sclerosis. Multiple Sclerosis Journal, 2016, 22, 1279-1288.	1.4	35
45	Ultra-high field MTR and qR2* differentiates subpial cortical lesions from normal-appearing gray matter in multiple sclerosis. Multiple Sclerosis Journal, 2016, 22, 1306-1314.	1.4	24
46	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
47	Unraveling the relationship between regional gray matter atrophy and pathology in connected white matter tracts in longâ€standing multiple sclerosis. Human Brain Mapping, 2015, 36, 1796-1807.	1.9	59
48	Unraveling the neuroimaging predictors for motor dysfunction in long-standing multiple sclerosis. Neurology, 2015, 85, 248-255.	1.5	41
49	Automatic segmentation and volumetry of multiple sclerosis brain lesions from MR images. NeuroImage: Clinical, 2015, 8, 367-375.	1.4	196
50	MRI pattern in asymptomatic natalizumab-associated PML. Journal of Neurology, Neurosurgery and Psychiatry, 2015, 86, 793-798.	0.9	75
51	Impact of transcranial direct current stimulation on fatigue in multiple sclerosis. Restorative Neurology and Neuroscience, 2014, 32, 423-436.	0.4	72
52	Mean upper cervical cord area (MUCCA) measurement in long-standing multiple sclerosis: Relation to brain findings and clinical disability. Multiple Sclerosis Journal, 2014, 20, 1860-1865.	1.4	68
53	What Explains Gray Matter Atrophy in Long-standing Multiple Sclerosis?. Radiology, 2014, 272, 832-842.	3.6	69
54	Brain volume and white matter hyperintensities as determinants of cerebral blood flow in Alzheimer's disease. Neurobiology of Aging, 2014, 35, 2665-2670.	1.5	28

#	Article	IF	Citations
55	Disruption of structural and functional networks in long-standing multiple sclerosis. Human Brain Mapping, 2014, 35, 5946-5961.	1.9	79
56	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
57	Accurate white matter lesion segmentation by k nearest neighbor classification with tissue type priors (kNN-TTPs). NeuroImage: Clinical, 2013, 3, 462-469.	1.4	177
58	Cognitive impairment in MS. Neurology, 2013, 80, 1025-1032.	1.5	155
59	Improvement of White Matter Changes on Neuroimaging Modalities After Stem Cell Transplant in Metachromatic Leukodystrophy. JAMA Neurology, 2013, 70, 779.	4.5	44