

Martijn D Steenwijk

List of Publications by Year in descending order

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Version: 2024-02-01

59
papers

2,538
citations

172457

29
h-index

206112

48
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61
all docs

61
docs citations

61
times ranked

4211
citing authors

#	ARTICLE	IF	CITATIONS
1	Alterations in the inferior fronto-occipital fasciculus – a specific neural correlate of gender incongruence?. <i>Psychological Medicine</i> , 2023, 53, 3461-3470.	4.5	2
2	Automatic segmentation of head and neck primary tumors on MRI using a multi-view CNN. <i>Cancer Imaging</i> , 2022, 22, 8.	2.8	10
3	Artificial double inversion recovery images can substitute conventionally acquired images: an MRI-histology study. <i>Scientific Reports</i> , 2022, 12, 2620.	3.3	4
4	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
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. <i>Multiple Sclerosis Journal</i> , 2021, 27, 380-390.	3.0	13
6	Tissue Transglutaminase Expression Associates With Progression of Multiple Sclerosis. <i>Neurology: Neuroimmunology and Neuroinflammation</i> , 2021, 8, .	6.0	4
7	Multi-view convolutional neural networks for automated ocular structure and tumor segmentation in retinoblastoma. <i>Scientific Reports</i> , 2021, 11, 14590.	3.3	16
8	Artificial double inversion recovery images for (juxta)cortical lesion visualization in multiple sclerosis. <i>Multiple Sclerosis Journal</i> , 2021, , 135245852110298.	3.0	11
9	Dynamic functional connectivity as a neural correlate of fatigue in multiple sclerosis. <i>NeuroImage: Clinical</i> , 2021, 29, 102556.	2.7	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?. <i>Multiple Sclerosis Journal</i> , 2020, 26, 1594-1598.	3.0	17
11	Long-range connections are more severely damaged and relevant for cognition in multiple sclerosis. <i>Brain</i> , 2020, 143, 150-160.	7.6	52
12	Relationship between β -amyloid and structural network topology in decedents without dementia. <i>Neurology</i> , 2020, 95, e532-e544.	1.1	17
13	Histopathology-validated recommendations for cortical lesion imaging in multiple sclerosis. <i>Brain</i> , 2020, 143, 2988-2997.	7.6	24
14	Plasma proteome in multiple sclerosis disease progression. <i>Annals of Clinical and Translational Neurology</i> , 2019, 6, 1582-1594.	3.7	21
15	Axonal degeneration as substrate of fractional anisotropy abnormalities in multiple sclerosis cortex. <i>Brain</i> , 2019, 142, 1921-1937.	7.6	38
16	Cortical atrophy accelerates as cognitive decline worsens in multiple sclerosis. <i>Neurology</i> , 2019, 93, e1348-e1359.	1.1	53
17	Can post-mortem MRI be used as a proxy for in vivo? A case study. <i>Brain Communications</i> , 2019, 1, fcz030.	3.3	17
18	Performance of five automated white matter hyperintensity segmentation methods in a multicenter dataset. <i>Scientific Reports</i> , 2019, 9, 16742.	3.3	38

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19	Structural network topology relates to tissue properties in multiple sclerosis. <i>Journal of Neurology</i> , 2019, 266, 212-222.	3.6	9
20	Fronto-limbic disconnection in patients with multiple sclerosis and depression. <i>Multiple Sclerosis Journal</i> , 2019, 25, 715-726.	3.0	30
21	Gray matter networks and cognitive impairment in multiple sclerosis. <i>Multiple Sclerosis Journal</i> , 2019, 25, 382-391.	3.0	39
22	Reproducibility of Deep Gray Matter Atrophy Rate Measurement in a Large Multicenter Dataset. <i>American Journal of Neuroradiology</i> , 2018, 39, 46-53.	2.4	16
23	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
24	Accelerated executive functions decline and gray matter structural changes in middle-aged type 1 diabetes mellitus patients with proliferative retinopathy. <i>Journal of Diabetes</i> , 2018, 10, 835-846.	1.8	9
25	A discrete polar Stockwell transform for enhanced characterization of tissue structure using MRI. <i>Magnetic Resonance in Medicine</i> , 2018, 80, 2731-2743.	3.0	2
26	Cerebrospinal fluid mtDNA concentration is elevated in multiple sclerosis disease and responds to treatment. <i>Multiple Sclerosis Journal</i> , 2018, 24, 472-480.	3.0	30
27	P1â€478: LOWER STRUCTURAL DEGREE AND HIGHER LOCAL EFFICIENCY RELATED TO DIFFUSE AMYLOIDâ€BETA LOAD IN CORTEX OF NONâ€NEUROLOGICAL AGED DONORS. <i>Alzheimer's and Dementia</i> , 2018, 14, P508.	0.8	0
28	In vivo assessment of neuroinflammation in progressive multiple sclerosis: a proof of concept study with [18F]DPA714 PET. <i>Journal of Neuroinflammation</i> , 2018, 15, 314.	7.2	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. <i>Alzheimer's and Dementia</i> , 2018, 14, P51.	0.8	0
30	Predicting cognitive decline in multiple sclerosis: a 5-year follow-up study. <i>Brain</i> , 2018, 141, 2605-2618.	7.6	113
31	Gray matter atrophy in dementia with Lewy bodies with and without concomitant Alzheimer's disease pathology. <i>Neurobiology of Aging</i> , 2018, 71, 171-178.	3.1	25
32	Increased default-mode network centrality in cognitively impaired multiple sclerosis patients. <i>Neurology</i> , 2017, 88, 952-960.	1.1	91
33	Performance of five research-domain automated WM lesion segmentation methods in a multi-center MS study. <i>NeuroImage</i> , 2017, 163, 106-114.	4.2	27
34	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
35	Structureâ€function relationships in the visual system in multiple sclerosis: an <sc>MEG</sc> and <sc>OCT</sc> study. <i>Annals of Clinical and Translational Neurology</i> , 2017, 4, 614-621.	3.7	7
36	Causes, effects and connectivity changes in MS-related cognitive decline. <i>Dementia E Neuropsychologia</i> , 2016, 10, 2-11.	0.8	8

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37	Heterogeneous Language Profiles in Patients with Primary Progressive Aphasia due to Alzheimer's Disease. <i>Journal of Alzheimer's Disease</i> , 2016, 51, 581-590.	2.6	35
38	Elevated CSF neurofilament proteins predict brain atrophy: A 15-year follow-up study. <i>Multiple Sclerosis Journal</i> , 2016, 22, 1154-1162.	3.0	48
39	White Matter Hyperintensity Volume and Cerebral Perfusion in Older Individuals with Hypertension Using Arterial Spin-Labeling. <i>American Journal of Neuroradiology</i> , 2016, 37, 1824-1830.	2.4	45
40	Multicenter Validation of Mean Upper Cervical Cord Area Measurements from Head 3D T1-Weighted MR Imaging in Patients with Multiple Sclerosis. <i>American Journal of Neuroradiology</i> , 2016, 37, 749-754.	2.4	30
41	Cortical atrophy patterns in multiple sclerosis are non-random and clinically relevant. <i>Brain</i> , 2016, 139, 115-126.	7.6	223
42	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
43	Different patterns of cortical gray matter loss over time in behavioral variant frontotemporal dementia and Alzheimer's disease. <i>Neurobiology of Aging</i> , 2016, 38, 21-31.	3.1	40
44	High-resolution T1-relaxation time mapping displays subtle, clinically relevant, gray matter damage in long-standing multiple sclerosis. <i>Multiple Sclerosis Journal</i> , 2016, 22, 1279-1288.	3.0	35
45	Ultra-high field MTR and qR2* differentiates subpial cortical lesions from normal-appearing gray matter in multiple sclerosis. <i>Multiple Sclerosis Journal</i> , 2016, 22, 1306-1314.	3.0	24
46	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
47	Unraveling the relationship between regional gray matter atrophy and pathology in connected white matter tracts in long-standing multiple sclerosis. <i>Human Brain Mapping</i> , 2015, 36, 1796-1807.	3.6	59
48	Unraveling the neuroimaging predictors for motor dysfunction in long-standing multiple sclerosis. <i>Neurology</i> , 2015, 85, 248-255.	1.1	41
49	Automatic segmentation and volumetry of multiple sclerosis brain lesions from MR images. <i>NeuroImage: Clinical</i> , 2015, 8, 367-375.	2.7	196
50	MRI pattern in asymptomatic natalizumab-associated PML. <i>Journal of Neurology, Neurosurgery and Psychiatry</i> , 2015, 86, 793-798.	1.9	75
51	Impact of transcranial direct current stimulation on fatigue in multiple sclerosis. <i>Restorative Neurology and Neuroscience</i> , 2014, 32, 423-436.	0.7	72
52	Mean upper cervical cord area (MUCCA) measurement in long-standing multiple sclerosis: Relation to brain findings and clinical disability. <i>Multiple Sclerosis Journal</i> , 2014, 20, 1860-1865.	3.0	68
53	What Explains Gray Matter Atrophy in Long-standing Multiple Sclerosis?. <i>Radiology</i> , 2014, 272, 832-842.	7.3	69
54	Brain volume and white matter hyperintensities as determinants of cerebral blood flow in Alzheimer's disease. <i>Neurobiology of Aging</i> , 2014, 35, 2665-2670.	3.1	28

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55	Disruption of structural and functional networks in long-standing multiple sclerosis. Human Brain Mapping, 2014, 35, 5946-5961.	3.6	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.	8.6	31
57	Accurate white matter lesion segmentation by k nearest neighbor classification with tissue type priors (kNN-TTPs). NeuroImage: Clinical, 2013, 3, 462-469.	2.7	177
58	Cognitive impairment in MS. Neurology, 2013, 80, 1025-1032.	1.1	155
59	Improvement of White Matter Changes on Neuroimaging Modalities After Stem Cell Transplant in Metachromatic Leukodystrophy. JAMA Neurology, 2013, 70, 779.	9.0	44