Martijn D Steenwijk

List of Publications by Year
in descending order

Source: https://exaly.com/author-pdf/6389628/publications.pdf

Version: 2024-02-01

59 papers	2,538 citations	172457 29 h-index	206112 48 g-index
61 all docs	61 docs citations	61 times ranked	4211 citing authors

#	Article	IF	Citations
1	Cortical atrophy patterns in multiple sclerosis are non-random and clinically relevant. Brain, 2016, 139, 115-126.	7.6	223
2	Automatic segmentation and volumetry of multiple sclerosis brain lesions from MR images. NeuroImage: Clinical, 2015, 8, 367-375.	2.7	196
3	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
4	Cognitive impairment in MS. Neurology, 2013, 80, 1025-1032.	1.1	155
5	Predicting cognitive decline in multiple sclerosis: a 5-year follow-up study. Brain, 2018, 141, 2605-2618.	7.6	113
6	Increased default-mode network centrality in cognitively impaired multiple sclerosis patients. Neurology, 2017, 88, 952-960.	1.1	91
7	Disruption of structural and functional networks in long-standing multiple sclerosis. Human Brain Mapping, 2014, 35, 5946-5961.	3.6	79
8	MRI pattern in asymptomatic natalizumab-associated PML. Journal of Neurology, Neurosurgery and Psychiatry, 2015, 86, 793-798.	1.9	75
9	Impact of transcranial direct current stimulation on fatigue in multiple sclerosis. Restorative Neurology and Neuroscience, 2014, 32, 423-436.	0.7	72
10	What Explains Gray Matter Atrophy in Long-standing Multiple Sclerosis?. Radiology, 2014, 272, 832-842.	7.3	69
11	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.	3.0	68
12	In vivo assessment of neuroinflammation in progressive multiple sclerosis: a proof of concept study with [18F]DPA714 PET. Journal of Neuroinflammation, 2018, 15, 314.	7.2	64
13	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.	3.6	59
14	Cortical atrophy accelerates as cognitive decline worsens in multiple sclerosis. Neurology, 2019, 93, e1348-e1359.	1.1	53
15	Long-range connections are more severely damaged and relevant for cognition in multiple sclerosis. Brain, 2020, 143, 150-160.	7.6	52
16	Elevated CSF neurofilament proteins predict brain atrophy: A 15-year follow-up study. Multiple Sclerosis Journal, 2016, 22, 1154-1162.	3.0	48
17	White Matter Hyperintensity Volume and Cerebral Perfusion in Older Individuals with Hypertension Using Arterial Spin-Labeling. American Journal of Neuroradiology, 2016, 37, 1824-1830.	2.4	45
18	Improvement of White Matter Changes on Neuroimaging Modalities After Stem Cell Transplant in Metachromatic Leukodystrophy. JAMA Neurology, 2013, 70, 779.	9.0	44

#	Article	IF	Citations
19	Multi-parametric structural magnetic resonance imaging in relation to cognitive dysfunction in long-standing multiple sclerosis. Multiple Sclerosis Journal, 2016, 22, 608-619.	3.0	44
20	Unraveling the neuroimaging predictors for motor dysfunction in long-standing multiple sclerosis. Neurology, 2015, 85, 248-255.	1.1	41
21	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.	3.1	40
22	Explaining the heterogeneity of functional connectivity findings in multiple sclerosis: An empirically informed modeling study. Human Brain Mapping, 2018, 39, 2541-2548.	3.6	40
23	Gray matter networks and cognitive impairment in multiple sclerosis. Multiple Sclerosis Journal, 2019, 25, 382-391.	3.0	39
24	Axonal degeneration as substrate of fractional anisotropy abnormalities in multiple sclerosis cortex. Brain, 2019, 142, 1921-1937.	7.6	38
25	Performance of five automated white matter hyperintensity segmentation methods in a multicenter dataset. Scientific Reports, 2019, 9, 16742.	3.3	38
26	Heterogeneous Language Profiles in Patients with Primary Progressive Aphasia due to Alzheimerâ€™s Disease. Journal of Alzheimer's Disease, 2016, 51, 581-590.	2.6	35
27	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.	3.0	35
28	Agreement of MSmetrix with established methods for measuring cross-sectional and longitudinal brain atrophy. NeuroImage: Clinical, 2017, 15, 843-853.	2.7	32
29	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
30	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.	2.4	30
31	Cerebrospinal fluid mtDNA concentration is elevated in multiple sclerosis disease and responds to treatment. Multiple Sclerosis Journal, 2018, 24, 472-480.	3.0	30
32	Fronto-limbic disconnection in patients with multiple sclerosis and depression. Multiple Sclerosis Journal, 2019, 25, 715-726.	3.0	30
33	Brain volume and white matter hyperintensities as determinants of cerebral blood flow in Alzheimer's disease. Neurobiology of Aging, 2014, 35, 2665-2670.	3.1	28
34	Performance of five research-domain automated WM lesion segmentation methods in a multi-center MS study. NeuroImage, 2017, 163, 106-114.	4.2	27
35	Gray matter atrophy in dementia with Lewy bodies with and without concomitant Alzheimer's disease pathology. Neurobiology of Aging, 2018, 71, 171-178.	3.1	25
36	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.	3.0	24

#	Article	IF	Citations
37	Histopathology-validated recommendations for cortical lesion imaging in multiple sclerosis. Brain, 2020, 143, 2988-2997.	7.6	24
38	Plasma proteome in multiple sclerosis disease progression. Annals of Clinical and Translational Neurology, 2019, 6, 1582-1594.	3.7	21
39	Dynamic functional connectivity as a neural correlate of fatigue in multiple sclerosis. NeuroImage: Clinical, 2021, 29, 102556.	2.7	21
40	Can post-mortem MRI be used as a proxy for in vivo? A case study. Brain Communications, 2019, 1, fcz030.	3.3	17
41	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.	3.0	17
42	Relationship between Î²-amyloid and structural network topology in decedents without dementia. Neurology, 2020, 95, e532-e544.	1.1	17
43	Reproducibility of Deep Gray Matter Atrophy Rate Measurement in a Large Multicenter Dataset. American Journal of Neuroradiology, 2018, 39, 46-53.	2.4	16
44	Multi-view convolutional neural networks for automated ocular structure and tumor segmentation in retinoblastoma. Scientific Reports, 2021, 11, 14590.	3.3	16
45	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.	3.0	13
46	Artificial double inversion recovery images for (juxta)cortical lesion visualization in multiple sclerosis. Multiple Sclerosis Journal, 2021, , 135245852110298.	3.0	11
47	White Matter Diffusion Changes during the First Year of Natalizumab Treatment in Relapsing-Remitting Multiple Sclerosis. American Journal of Neuroradiology, 2016, 37, 1030-1037.	2.4	10
48	Automatic segmentation of head and neck primary tumors on MRI using a multi-view CNN. Cancer Imaging, 2022, 22, 8.	2.8	10
49	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.	1.8	9
50	Structural network topology relates to tissue properties in multiple sclerosis. Journal of Neurology, 2019, 266, 212-222.	3.6	9
51	Causes, effects and connectivity changes in MS-related cognitive decline. Dementia E Neuropsychologia, 2016, 10, 2-11.	0.8	8
52	A randomized trial predicting response to cognitive rehabilitation in multiple sclerosis: Is there a window of opportunity?. Multiple Sclerosis Journal, 2022, 28, 2124-2136.	3.0	8
53	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.	3.7	7
54	Tissue Transglutaminase Expression Associates With Progression of Multiple Sclerosis. Neurology: Neuroimmunology and NeuroInflammation, 2021, 8, .	6.0	4

#	Article	IF	Citations
55	Artificial double inversion recovery images can substitute conventionally acquired images: an MRI-histology study. Scientific Reports, 2022, 12, 2620.	3.3	4
56	A discrete polar Stockwell transform for enhanced characterization of tissue structure using MRI. Magnetic Resonance in Medicine, 2018, 80, 2731-2743.	3.0	2
57	Alterations in the inferior fronto-occipital fasciculus â€“ a specific neural correlate of gender incongruence?. Psychological Medicine, 2023, 53, 3461-3470.	4.5	2
58	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.	0.8	0
59	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.	0.8	0