Danielle van Westen

List of Publications by Year
in descending order

Source: https://exaly.com/author-pdf/1748944/publications.pdf

Version: 2024-02-01

120	6,007	76196	82410
papers	citations	40	72
		h-index	g-index

128	128	128	8823
all docs	docs citations	times ranked	citing authors

#	Article	IF	Citations
1	Plasma Î²-amyloid in Alzheimerâ€™s disease and vascular disease. Scientific Reports, 2016, 6, 26801.	1.6	442
2	Serial monitoring of circulating tumor <scp>DNA</scp> in patients with primary breast cancer for detection of occult metastatic disease. EMBO Molecular Medicine, 2015, 7, 1034-1047.	3.3	380
3	<scp>CSF</scp> AÎ²42/AÎ²40 and AÎ²42/AÎ²38 ratios: better diagnostic markers of Alzheimer disease. Annals of Clinical and Translational Neurology, 2016, 3, 154-165.	1.7	329
4	Q-space trajectory imaging for multidimensional diffusion MRI of the human brain. NeuroImage, 2016, 135, 345-362.	2.1	256
5	Extensive graft-derived dopaminergic innervation is maintained 24 years after transplantation in the degenerating parkinsonian brain. Proceedings of the National Academy of Sciences of the United States of America, 2016, 113, 6544-6549.	3.3	235
6	Quantification of microscopic diffusion anisotropy disentangles effects of orientation dispersion from microstructure: Applications in healthy volunteers and in brain tumors. NeuroImage, 2015, 104, 241-252.	2.1	216
7	Neurite density imaging versus imaging of microscopic anisotropy in diffusion MRI: A model comparison using spherical tensor encoding. NeuroImage, 2017, 147, 517-531.	2.1	177
8	Medial temporal lobe connectivity and its associations with cognition in early Alzheimerâ€™s disease. Brain, 2020, 143, 1233-1248.	3.7	164
9	Increased blood-brain barrier permeability is associated with dementia and diabetes but not amyloid pathology or APOE genotype. Neurobiology of Aging, 2017, 51, 104-112.	1.5	154
10	The importance of axonal undulation in diffusion MR measurements: a Monte Carlo simulation study. NMR in Biomedicine, 2012, 25, 795-805.	1.6	142
11	Noninvasive mapping of water diffusional exchange in the human brain using filterâ€exchange imaging. Magnetic Resonance in Medicine, 2013, 69, 1572-1580.	1.9	142
12	The link between diffusion MRI and tumor heterogeneity: Mapping cell eccentricity and density by diffusional variance decomposition (DIVIDE). NeuroImage, 2016, 142, 522-532.	2.1	141
13	The role of tissue microstructure and water exchange in biophysical modelling of diffusion in white matter. Magnetic Resonance Materials in Physics, Biology, and Medicine, 2013, 26, 345-370.	1.1	123
14	Increased CSF biomarkers of angiogenesis in Parkinson disease. Neurology, 2015, 85, 1834-1842.	1.5	109
15	In vivo retention of ¹⁸ F-AV-1451 in corticobasal syndrome. Neurology, 2017, 89, 845-853.	1.5	103
16	Searching for the neurite density with diffusion MRI: Challenges for biophysical modeling. Human Brain Mapping, 2019, 40, 2529-2545.	1.9	103
17	Apathy and anxiety are early markers of Alzheimer's disease. Neurobiology of Aging, 2020, 85, 74-82.	1.5	103
18	Relationship between cortical iron and tau aggregation in Alzheimerâ€™s disease. Brain, 2020, 143, 1341-1349.	3.7	101

#	Article	IF	Citations
19	Mild behavioral impairment and its relation to tau pathology in preclinical Alzheimerâ€™s disease. Translational Psychiatry, 2021, 11, 76.	2.4	78
20	Increased midlife triglycerides predict brain Î²-amyloid and tau pathology 20 years later. Neurology, 2018, 90, e73-e81.	1.5	76
21	Extrapolation-Based References Improve Motion and Eddy-Current Correction of High B-Value DWI Data: Application in Parkinsonâ€™s Disease Dementia. PLoS ONE, 2015, 10, e0141825.	1.1	75
22	Distinct tau PET patterns in atrophyâ€defined subtypes of Alzheimer's disease. Alzheimer's and Dementia, 2020, 16, 335-344.	0.4	73
23	Regional values of diffusional kurtosis estimates in the healthy brain. Journal of Magnetic Resonance Imaging, 2013, 37, 610-618.	1.9	71
24	Imaging biomarkers of dementia: recommended visual rating scales with teaching cases. Insights Into Imaging, 2017, 8, 79-90.	1.6	67
25	Optimal experimental design for filter exchange imaging: Apparent exchange rate measurements in the healthy brain and in intracranial tumors. Magnetic Resonance in Medicine, 2017, 77, 1104-1114.	1.9	67
26	Towards unconstrained compartment modeling in white matter using diffusionâ€relaxation MRI with tensorâ€valued diffusion encoding. Magnetic Resonance in Medicine, 2020, 84, 1605-1623.	1.9	67
27	Plasma markers predict changes in amyloid, tau, atrophy and cognition in non-demented subjects. Brain, 2021, 144, 2826-2836.	3.7	65
28	Glioma Grade Discrimination with MR Diffusion Kurtosis Imaging: A Meta-Analysis of Diagnostic Accuracy. Radiology, 2018, 287, 119-127.	3.6	63
29	Variability in diffusion kurtosis imaging: Impact on study design, statistical power and interpretation. NeuroImage, 2013, 76, 145-154.	2.1	62
30	Imaging brain tumour microstructure. NeuroImage, 2018, 182, 232-250.	2.1	62
31	Tumor extension in high-grade gliomas assessed with diffusion magnetic resonance imaging: values and lesion-to-brain ratios of apparent diffusion coefficient and fractional anisotropy. Acta Radiologica, 2006, 47, 311-319.	0.5	56
32	Tensorâ€valued diffusion MRI in under 3 minutes: an initial survey of microscopic anisotropy and tissue heterogeneity in intracranial tumors. Magnetic Resonance in Medicine, 2020, 83, 608-620.	1.9	55
33	Association of Enlarged Perivascular Spaces and Measures of Small Vessel and Alzheimer Disease. Neurology, 2021, 96, e193-e202.	1.5	54
34	Size of basal ganglia in suicide attempters, and its association with temperament and serotonin transporter density. Psychiatry Research - Neuroimaging, 2010, 183, 177-179.	0.9	53
35	Fingersomatotopy in area 3b: an fMRI-study. BMC Neuroscience, 2004, 5, 28.	0.8	52
36	Cerebral white matter lesions â€“ associations with AÎ² isoforms and amyloid PET. Scientific Reports, 2016, 6, 20709.	1.6	52

#	Article	IF	Citations
37	MRI of the Swallow Tail Sign: A Useful Marker in the Diagnosis of Lewy Body Dementia?. American Journal of Neuroradiology, 2017, 38, 1737-1741.	1.2	50
38	Longitudinal degeneration of the basal forebrain predicts subsequent dementia in Parkinson's disease. Neurobiology of Disease, 2020, 139, 104831.	2.1	49
39	Increased amyloidogenic APP processing in APOE É›4-negative individuals with cerebral Î²-amyloidosis. Nature Communications, 2016, 7, 10918.	5.8	48
40	Midlife Atherosclerosis and Development of Alzheimer or Vascular Dementia. Annals of Neurology, 2020, 87, 52-62.	2.8	46
41	Diagnostic value ofÂalternative techniques to gadolinium-based contrast agents in MR neuroimagingâ€”a comprehensive overview. Insights Into Imaging, 2019, 10, 84.	1.6	44
42	Diffusion Tensor Tractography versus Volumetric Imaging in the Diagnosis of Behavioral Variant Frontotemporal Dementia. PLoS ONE, 2013, 8, e66932.	1.1	44
43	Striatal changes in Parkinson disease: An investigation of morphology, functional connectivity and their relationship to clinical symptoms. Psychiatry Research - Neuroimaging, 2018, 275, 5-13.	0.9	39
44	Association Between Earliest Amyloid Uptake and Functional Connectivity in Cognitively Unimpaired Elderly. Cerebral Cortex, 2019, 29, 2173-2182.	1.6	39
45	Disease-specific structural changes in thalamus and dentatorubrothalamic tract in progressive supranuclear palsy. Neuroradiology, 2015, 57, 1079-1091.	1.1	37
46	Diffusion kurtosis imaging of gliomas grades II and III - a study of perilesional tumor infiltration, tumor grades and subtypes at clinical presentation. Radiology and Oncology, 2017, 51, 121-129.	0.6	37
47	Correlation between arterial blood volume obtained by arterial spin labelling and cerebral blood volume in intracranial tumours. Magnetic Resonance Materials in Physics, Biology, and Medicine, 2011, 24, 211-223.	1.1	35
48	Alterations of Diffusion Kurtosis and Neurite Density Measures in Deep Grey Matter and White Matter in Parkinsonâ€™s Disease. PLoS ONE, 2016, 11, e0157755.	1.1	35
49	Increased Levels of Hyaluronic Acid in Cerebrospinal Fluid in Patients with Vascular Dementia. Journal of Alzheimer's Disease, 2014, 42, 1435-1441.	1.2	33
50	Cortical thickness of planum temporale and pars opercularis in native language tone processing. Brain and Language, 2018, 176, 42-47.	0.8	33
51	The effect of white matter hyperintensities on statistical analysis of diffusion tensor imaging in cognitively healthy elderly and prodromal Alzheimer's disease. PLoS ONE, 2017, 12, e0185239.	1.1	32
52	Arterial spin labeling MR imaging for differentiation between high- and low-grade gliomaâ€”a meta-analysis. Neuro-Oncology, 2018, 20, 1450-1461.	0.6	32
53	Altered structural network organization in cognitively normal individuals with amyloid pathology. Neurobiology of Aging, 2018, 64, 15-24.	1.5	30
54	Brain myoinositol as a potential marker of amyloid-related pathology. Neurology, 2019, 92, e395-e405.	1.5	30

#	Article	IF	Citations
55	Assessment of Global and Regional Diffusion Changes along White Matter Tracts in Parkinsonian Disorders by MR Tractography. PLoS ONE, 2013, 8, e66022.	1.1	29
56	Word tones cueing morphosyntactic structure: Neuroanatomical substrates and activation time-course assessed by EEG and fMRI. Brain and Language, 2015, 150, 14-21.	0.8	29
57	Abnormal Structural Brain Connectome in Individuals with Preclinical Alzheimerâ€™s Disease. Cerebral Cortex, 2018, 28, 3638-3649.	1.6	29
58	Amyloid Network Topology Characterizes the Progression of Alzheimerâ€™s Disease During the Predementia Stages. Cerebral Cortex, 2018, 28, 340-349.	1.6	28
59	18F-Flortaucipir in TDP-43 associated frontotemporal dementia. Scientific Reports, 2019, 9, 6082.	1.6	26
60	Striatal Atrophy in the Behavioural Variant of Frontotemporal Dementia: Correlation with Diagnosis, Negative Symptoms and Disease Severity. PLoS ONE, 2015, 10, e0129692.	1.1	26
61	Slowly progressive dementia caused by MAPT R406W mutations: longitudinal report on a new kindred and systematic review. Alzheimer's Research and Therapy, 2018, 10, 2.	3.0	25
62	Magnetic Resonance Findings in the Pregeniculate Visual Pathways in Leber Hereditary Optic Neuropathy. Journal of Neuro-Ophthalmology, 2011, 31, 48-51.	0.4	24
63	Validation of a protocol for manual segmentation of the thalamus on magnetic resonance imaging scans. Psychiatry Research - Neuroimaging, 2015, 232, 98-105.	0.9	24
64	Alteration of putaminal fractional anisotropy in Parkinsonâ€™s disease: a longitudinal diffusion kurtosis imaging study. Neuroradiology, 2018, 60, 247-254.	1.1	23
65	Plasma neurofilament light protein correlates with diffusion tensor imaging metrics in frontotemporal dementia. PLoS ONE, 2020, 15, e0236384.	1.1	23
66	Diffusion tensor imaging and tractography of the white matter in normal aging: The rate-of-change differs between segments within tracts. Magnetic Resonance Imaging, 2018, 45, 113-119.	1.0	22
67	Cerebral hypoperfusion is not associated with an increase in amyloid Î² pathology in middleâ€aged or elderly people. Alzheimer's and Dementia, 2018, 14, 54-61.	0.4	21
68	Regional structural hypoâ€•and hyperconnectivity of frontalâ€“striatal and frontalâ€“thalamic pathways in behavioral variant frontotemporal dementia. Human Brain Mapping, 2018, 39, 4083-4093.	1.9	21
69	Development of Apathy, Anxiety, and Depression in Cognitively Unimpaired Older Adults: Effects of Alzheimerâ€™s Disease Pathology and Cognitive Decline. Biological Psychiatry, 2022, 92, 34-43.	0.7	21
70	Diffusion Tensor MRI to Distinguish Progressive Supranuclear Palsy from Î±-Synucleinopathies. Radiology, 2019, 293, 646-653.	3.6	20
71	Increased functional connectivity of thalamic subdivisions in patients with Parkinsonâ€™s disease. PLoS ONE, 2019, 14, e0222002.	1.1	20
72	Medial temporal lobe atrophy is underreported and may have important clinical correlates in medical inpatients. BMC Geriatrics, 2015, 15, 65.	1.1	18

#	Article	IF	Citations
73	Mapping of apparent susceptibility yields promising diagnostic separation of progressive supranuclear palsy from other causes of parkinsonism. Scientific Reports, 2019, 9, 6079.	1.6	18
74	Arterial Spin-Labeling in Children with Brain Tumor: A Meta-Analysis. American Journal of Neuroradiology, 2018, 39, 1536-1542.	1.2	17
75	Tone-grammar association within words: Concurrent ERP and fMRI show rapid neural pre-activation and involvement of left inferior frontal gyrus in pseudoword processing. Brain and Language, 2017, 174, 119-126.	0.8	16
76	Grey and White Matter Clinico-Anatomical Correlates of Disinhibition in Neurodegenerative Disease. PLoS ONE, 2016, 11, e0164122.	1.1	15
77	Effects of APOE Îµ4 on neuroimaging, cerebrospinal fluid biomarkers, and cognition in prodromal Alzheimer's disease. Neurobiology of Aging, 2018, 71, 81-90.	1.5	15
78	The age-related effect on cognitive performance in cognitively healthy elderly is mainly caused by underlying AD pathology or cerebrovascular lesions: implications for cutoffs regarding cognitive impairment. Alzheimer's Research and Therapy, 2020, 12, 30.	3.0	14
79	Time dependence in diffusion MRI predicts tissue outcome in ischemic stroke patients. Magnetic Resonance in Medicine, 2021, 86, 754-764.	1.9	14
80	Microstructural white matter alterations associated to neurocognitive deficits in childhood leukemia survivors treated with cranial radiotherapy â€“ a diffusional kurtosis study. Acta OncolÃ³gica, 2019, 58, 1021-1028.	0.8	13
81	Deep learning from MRI-derived labels enables automatic brain tissue classification on human brain CT. NeuroImage, 2021, 244, 118606.	2.1	13
82	The protective gene dose effect of the APOEÎµ2 allele on gray matter volume in cognitively unimpaired individuals. Alzheimer's and Dementia, 2022, 18, 1383-1395.	0.4	13
83	Glioma grading, molecular feature classification, and microstructural characterization using MR diffusional variance decomposition (DIVIDE) imaging. European Radiology, 2021, 31, 8197-8207.	2.3	12
84	Rapid syntactic pre-activation in Brocaâ€™s area: Concurrent electrophysiological and haemodynamic recordings. Brain Research, 2018, 1697, 76-82.	1.1	11
85	A quick test of cognitive speed can predict development of dementia in Parkinsonâ€™s disease. Scientific Reports, 2019, 9, 15417.	1.6	11
86	Longitudinal study of cognitive function in glioma patients treated with modern radiotherapy techniques and standard chemotherapy. Acta OncolÃ³gica, 2020, 59, 1091-1097.	0.8	11
87	Structural and functional neuroimaging changes associated with cognitive impairment and dementia in Parkinson's disease. Psychiatry Research - Neuroimaging, 2021, 312, 111273.	0.9	11
88	MRI morphology of the hippocampus in drug-resistant temporal lobe epilepsy: Shape inflation of left hippocampus and correlation of right-sided hippocampal volume and shape with visuospatial function in patients with right-sided TLE. Journal of Clinical Neuroscience, 2019, 67, 68-74.	0.8	10
89	Medial temporal atrophy in preclinical dementia: Visual and automated assessment during six year follow-up. NeuroImage: Clinical, 2020, 27, 102310.	1.4	10
90	Emergency room decision-making for urgent cranial computed tomography: selection criteria for subsets of non-trauma patients. Acta Radiologica, 2014, 55, 847-854.	0.5	9

#	Article	IF	Citations
91	The Effects of Tau, Amyloid, and White Matter Lesions on Mobility, Dual Tasking, and Balance in Older People. Journals of Gerontology - Series A Biological Sciences and Medical Sciences, 2021, 76, 683-691.	1.7	8
92	Microstructure alterations in the hypothalamus in cranially radiated childhood leukaemia survivors but not in craniopharyngioma patients unaffected by hypothalamic damage. Clinical Endocrinology, 2017, 87, 359-366.	1.2	7
93	A Functional MRI-Based Model for Individual Memory Assessment in Patients Eligible for Anterior Temporal Lobe Resection. Open Neuroimaging Journal, 2017, 11, 1-16.	0.2	7
94	Mild behavioral impairment is predictive of tau deposition in the earliest stages of Alzheimer's disease. Alzheimer's and Dementia, 2020, 16, e042595.	0.4	6
95	Structural imaging findings on non-enhanced computed tomography are severely underreported in the primary care diagnostic work-up of subjective cognitive decline. Neuroradiology, 2019, 61, 397-404.	1.1	5
96	Midsagittal corpus callosal thickness and cognitive impairment in Parkinson's disease. European Journal of Neuroscience, 2022, 55, 1859-1872.	1.2	5
97	The Australian, US, Scandinavian Imaging Exchange (AUSSIE): an innovative, virtually-integrated health research network embedded in health care. Australasian Psychiatry, 2014, 22, 260-265.	0.4	4
98	Autosomal dominant cerebellar ataxia with slow ocular saccades, neuropathy and orthostatism: A novel entity?. Parkinsonism and Related Disorders, 2014, 20, 748-754.	1.1	4
99	Quantification of normal cerebral oxygen extraction and oxygen metabolism by phaseâ€based <scp>MRI</scp> susceptometry: evaluation of repeatability using two different imaging protocols. Clinical Physiology and Functional Imaging, 2017, 37, 211-220.	0.5	4
100	Reporting frequency of radiology findings increases after introducing visual rating scales in the primary care diagnostic work up of subjective and mild cognitive impairment. European Radiology, 2021, 31, 666-673.	2.3	4
101	Solid bolus swallowing in the radiologic evaluation of dysphagia. Acta Radiologica, 1993, 34, 372-5.	0.5	4
102	Astrocytic function is associated with both amyloid-Î² and tau pathology in non-dementedAPOE Ïµ4carriers. Brain Communications, 2022, 4, .	1.5	4
103	Cerebral perfusion information obtained by dynamic contrastâ€enhanced phaseâ€shift magnetic resonance imaging: comparison with modelâ€free arterial spin labelling. Clinical Physiology and Functional Imaging, 2010, 30, 375-379.	0.5	3
104	Brain white matter lesions are associated with reduced hypothalamic volume and cranial radiotherapy in childhoodâ€onset craniopharyngioma. Clinical Endocrinology, 2021, 94, 48-57.	1.2	3
105	Preliminary Evidence of Efficacy and Target Engagement of Pramipexole in Anhedonic Depression. Psychiatric Research and Clinical Practice, 2022, 4, 42-47.	1.3	3
106	Morphometric analysis of thalamic volume in progressive supranuclear palsy: In vivo evidence of regionally specific bilateral thalamic atrophy. Psychiatry Research - Neuroimaging, 2017, 265, 65-71.	0.9	2
107	Optimal experimental design for filter exchange imaging: Apparent exchange rate measurements in the healthy brain and in intracranial tumors. Magnetic Resonance in Medicine, 2017, 77, C1-C1.	1.9	2
108	P1â€422: PERIVASCULAR SPACES IN THE HIPPOCAMPUS ARE ASSOCIATED WITH COGNITIVE DECLINE AT FOURâ€YEAR FOLLOWâ€UP IN MCI PATIENTS. Alzheimer's and Dementia, 2018, 14, P467.	0.4	2

#	Article	IF	Citations
109	Diffusion tensor imaging in glioblastoma patients treated with volumetric modulated arc radiotherapy: a longitudinal study. Acta OncolÃ³gica, 2022, 61, 680-687.	0.8	2
110	Inter-modality assessment of medial temporal lobe atrophy in a non-demented population: application of a visual rating scale template across radiologists with varying clinical experience. European Radiology, 2021, , 1.	2.3	1
111	Associations between longitudinal neuropsychiatric symptoms and biomarkers of betaâ€amyloid, tau, neurodegeneration, and cognitive decline. Alzheimer's and Dementia, 2021, 17, .	0.4	1
112	P2-182: MEDIAL TEMPORAL LOBE ATROPHY IS FREQUENT, UNDERREPORTED, AND HAS IMPORTANT CLINICAL CORRELATES IN MEDICAL INPATIENTS. , 2014, 10, P537-P537.		0
113	Unravelling drivers of ageâ€and betaâ€amyloidâ€related neurodegeneration in medial temporal lobe atrophy in cognitively normal older adults. Alzheimer's and Dementia, 2021, 17, .	0.4	0
114	Tau and synaptic biomarkers but not amyloidâ€Î² are associated with cerebral perfusion in the Alzheimerâ€™s disease spectrum. Alzheimer's and Dementia, 2021, 17, .	0.4	0
115	Associations between cerebrospinal fluid markers of neuroinflammation and longitudinal measurements of white matter lesions. Alzheimer's and Dementia, 2021, 17, .	0.4	0
116	Potential drivers of ageâ€and betaâ€amyloidâ€related neurodegeneration in early and late Alzheimerâ€™s Disease regions in cognitively normal older adults. Alzheimer's and Dementia, 2021, 17, .	0.4	0
117	Title is missing!. , 2020, 15, e0236384.		0
118	Title is missing!. , 2020, 15, e0236384.		0
119	Title is missing!. , 2020, 15, e0236384.		0
120	Title is missing!. , 2020, 15, e0236384.		0