

Danielle van Westen

List of Publications by Year in descending order

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Version: 2024-02-01

120
papers

6,007
citations

76196

40
h-index

82410

72
g-index

128
all docs

128
docs citations

128
times ranked

8823
citing authors

#	ARTICLE	IF	CITATIONS
1	Development of Apathy, Anxiety, and Depression in Cognitively Unimpaired Older Adults: Effects of Alzheimer's Disease Pathology and Cognitive Decline. <i>Biological Psychiatry</i> , 2022, 92, 34-43.	0.7	21
2	Midsagittal corpus callosal thickness and cognitive impairment in Parkinson's disease. <i>European Journal of Neuroscience</i> , 2022, 55, 1859-1872.	1.2	5
3	Diffusion tensor imaging in glioblastoma patients treated with volumetric modulated arc radiotherapy: a longitudinal study. <i>Acta Oncologica</i> , 2022, 61, 680-687.	0.8	2
4	The protective gene dose effect of the <i>APOE</i> $\epsilon 4$ allele on gray matter volume in cognitively unimpaired individuals. <i>Alzheimer's and Dementia</i> , 2022, 18, 1383-1395.	0.4	13
5	Preliminary Evidence of Efficacy and Target Engagement of Pramipexole in Anhedonic Depression. <i>Psychiatric Research and Clinical Practice</i> , 2022, 4, 42-47.	1.3	3
6	Astrocytic function is associated with both amyloid- β^2 and tau pathology in non-demented <i>APOE</i> $\epsilon 4$ carriers. <i>Brain Communications</i> , 2022, 4, .	1.5	4
7	Association of Enlarged Perivascular Spaces and Measures of Small Vessel and Alzheimer Disease. <i>Neurology</i> , 2021, 96, e193-e202.	1.5	54
8	The Effects of Tau, Amyloid, and White Matter Lesions on Mobility, Dual Tasking, and Balance in Older People. <i>Journals of Gerontology - Series A Biological Sciences and Medical Sciences</i> , 2021, 76, 683-691.	1.7	8
9	Brain white matter lesions are associated with reduced hypothalamic volume and cranial radiotherapy in childhood-onset craniopharyngioma. <i>Clinical Endocrinology</i> , 2021, 94, 48-57.	1.2	3
10	Reporting frequency of radiology findings increases after introducing visual rating scales in the primary care diagnostic work up of subjective and mild cognitive impairment. <i>European Radiology</i> , 2021, 31, 666-673.	2.3	4
11	Mild behavioral impairment and its relation to tau pathology in preclinical Alzheimer's disease. <i>Translational Psychiatry</i> , 2021, 11, 76.	2.4	78
12	Time dependence in diffusion MRI predicts tissue outcome in ischemic stroke patients. <i>Magnetic Resonance in Medicine</i> , 2021, 86, 754-764.	1.9	14
13	Glioma grading, molecular feature classification, and microstructural characterization using MR diffusional variance decomposition (DIVIDE) imaging. <i>European Radiology</i> , 2021, 31, 8197-8207.	2.3	12
14	Plasma markers predict changes in amyloid, tau, atrophy and cognition in non-demented subjects. <i>Brain</i> , 2021, 144, 2826-2836.	3.7	65
15	Structural and functional neuroimaging changes associated with cognitive impairment and dementia in Parkinson's disease. <i>Psychiatry Research - Neuroimaging</i> , 2021, 312, 111273.	0.9	11
16	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. <i>European Radiology</i> , 2021, , 1.	2.3	1
17	Deep learning from MRI-derived labels enables automatic brain tissue classification on human brain CT. <i>NeuroImage</i> , 2021, 244, 118606.	2.1	13
18	Unravelling drivers of age- and beta-amyloid-related neurodegeneration in medial temporal lobe atrophy in cognitively normal older adults. <i>Alzheimer's and Dementia</i> , 2021, 17, .	0.4	0

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19	Tau and synaptic biomarkers but not amyloid β^2 are associated with cerebral perfusion in the Alzheimer β^{TM} s disease spectrum. <i>Alzheimer's and Dementia</i> , 2021, 17, .	0.4	0
20	Associations between cerebrospinal fluid markers of neuroinflammation and longitudinal measurements of white matter lesions. <i>Alzheimer's and Dementia</i> , 2021, 17, .	0.4	0
21	Associations between longitudinal neuropsychiatric symptoms and biomarkers of beta β -amyloid, tau, neurodegeneration, and cognitive decline. <i>Alzheimer's and Dementia</i> , 2021, 17, .	0.4	1
22	Potential drivers of age β -and beta β -amyloid β -related neurodegeneration in early and late Alzheimer β^{TM} s Disease regions in cognitively normal older adults. <i>Alzheimer's and Dementia</i> , 2021, 17, .	0.4	0
23	Tensor β -valued diffusion MRI in under 3 minutes: an initial survey of microscopic anisotropy and tissue heterogeneity in intracranial tumors. <i>Magnetic Resonance in Medicine</i> , 2020, 83, 608-620.	1.9	55
24	Apathy and anxiety are early markers of Alzheimer's disease. <i>Neurobiology of Aging</i> , 2020, 85, 74-82.	1.5	103
25	Distinct tau PET patterns in atrophy β -defined subtypes of Alzheimer's disease. <i>Alzheimer's and Dementia</i> , 2020, 16, 335-344.	0.4	73
26	Midlife Atherosclerosis and Development of Alzheimer or Vascular Dementia. <i>Annals of Neurology</i> , 2020, 87, 52-62.	2.8	46
27	Longitudinal study of cognitive function in glioma patients treated with modern radiotherapy techniques and standard chemotherapy. <i>Acta Oncolβgica</i> , 2020, 59, 1091-1097.	0.8	11
28	Mild behavioral impairment is predictive of tau deposition in the earliest stages of Alzheimer's disease. <i>Alzheimer's and Dementia</i> , 2020, 16, e042595.	0.4	6
29	Medial temporal atrophy in preclinical dementia: Visual and automated assessment during six year follow-up. <i>NeuroImage: Clinical</i> , 2020, 27, 102310.	1.4	10
30	Longitudinal degeneration of the basal forebrain predicts subsequent dementia in Parkinson's disease. <i>Neurobiology of Disease</i> , 2020, 139, 104831.	2.1	49
31	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. <i>Alzheimer's Research and Therapy</i> , 2020, 12, 30.	3.0	14
32	Medial temporal lobe connectivity and its associations with cognition in early Alzheimer β^{TM} s disease. <i>Brain</i> , 2020, 143, 1233-1248.	3.7	164
33	Towards unconstrained compartment modeling in white matter using diffusion β -relaxation MRI with tensor β -valued diffusion encoding. <i>Magnetic Resonance in Medicine</i> , 2020, 84, 1605-1623.	1.9	67
34	Relationship between cortical iron and tau aggregation in Alzheimer β^{TM} s disease. <i>Brain</i> , 2020, 143, 1341-1349.	3.7	101
35	Plasma neurofilament light protein correlates with diffusion tensor imaging metrics in frontotemporal dementia. <i>PLoS ONE</i> , 2020, 15, e0236384.	1.1	23
36	Title is missing!. , 2020, 15, e0236384.		0

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37	Title is missing!. , 2020, 15, e0236384.		0
38	Title is missing!. , 2020, 15, e0236384.		0
39	Title is missing!. , 2020, 15, e0236384.		0
40	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. <i>Journal of Clinical Neuroscience</i> , 2019, 67, 68-74.	0.8	10
41	Diffusion Tensor MRI to Distinguish Progressive Supranuclear Palsy from \pm -Synucleinopathies. <i>Radiology</i> , 2019, 293, 646-653.	3.6	20
42	A quick test of cognitive speed can predict development of dementia in Parkinson's disease. <i>Scientific Reports</i> , 2019, 9, 15417.	1.6	11
43	Increased functional connectivity of thalamic subdivisions in patients with Parkinson's disease. <i>PLoS ONE</i> , 2019, 14, e0222002.	1.1	20
44	Structural imaging findings on non-enhanced computed tomography are severely underreported in the primary care diagnostic work-up of subjective cognitive decline. <i>Neuroradiology</i> , 2019, 61, 397-404.	1.1	5
45	¹⁸ F-Flortaucipir in TDP-43 associated frontotemporal dementia. <i>Scientific Reports</i> , 2019, 9, 6082.	1.6	26
46	Mapping of apparent susceptibility yields promising diagnostic separation of progressive supranuclear palsy from other causes of parkinsonism. <i>Scientific Reports</i> , 2019, 9, 6079.	1.6	18
47	Association Between Earliest Amyloid Uptake and Functional Connectivity in Cognitively Unimpaired Elderly. <i>Cerebral Cortex</i> , 2019, 29, 2173-2182.	1.6	39
48	Searching for the neurite density with diffusion MRI: Challenges for biophysical modeling. <i>Human Brain Mapping</i> , 2019, 40, 2529-2545.	1.9	103
49	Microstructural white matter alterations associated to neurocognitive deficits in childhood leukemia survivors treated with cranial radiotherapy – a diffusional kurtosis study. <i>Acta Oncologica</i> , 2019, 58, 1021-1028.	0.8	13
50	Diagnostic value of alternative techniques to gadolinium-based contrast agents in MR neuroimaging – a comprehensive overview. <i>Insights Into Imaging</i> , 2019, 10, 84.	1.6	44
51	Brain myoinositol as a potential marker of amyloid-related pathology. <i>Neurology</i> , 2019, 92, e395-e405.	1.5	30
52	Glioma Grade Discrimination with MR Diffusion Kurtosis Imaging: A Meta-Analysis of Diagnostic Accuracy. <i>Radiology</i> , 2018, 287, 119-127.	3.6	63
53	Alteration of putaminal fractional anisotropy in Parkinson's disease: a longitudinal diffusion kurtosis imaging study. <i>Neuroradiology</i> , 2018, 60, 247-254.	1.1	23
54	Cortical thickness of planum temporale and pars opercularis in native language tone processing. <i>Brain and Language</i> , 2018, 176, 42-47.	0.8	33

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55	Altered structural network organization in cognitively normal individuals with amyloid pathology. <i>Neurobiology of Aging</i> , 2018, 64, 15-24.	1.5	30
56	Slowly progressive dementia caused by MAPT R406W mutations: longitudinal report on a new kindred and systematic review. <i>Alzheimer's Research and Therapy</i> , 2018, 10, 2.	3.0	25
57	Amyloid Network Topology Characterizes the Progression of Alzheimer's Disease During the Predementia Stages. <i>Cerebral Cortex</i> , 2018, 28, 340-349.	1.6	28
58	Striatal changes in Parkinson disease: An investigation of morphology, functional connectivity and their relationship to clinical symptoms. <i>Psychiatry Research - Neuroimaging</i> , 2018, 275, 5-13.	0.9	39
59	Diffusion tensor imaging and tractography of the white matter in normal aging: The rate-of-change differs between segments within tracts. <i>Magnetic Resonance Imaging</i> , 2018, 45, 113-119.	1.0	22
60	Cerebral hypoperfusion is not associated with an increase in amyloid β pathology in middle-aged or elderly people. <i>Alzheimer's and Dementia</i> , 2018, 14, 54-61.	0.4	21
61	Abnormal Structural Brain Connectome in Individuals with Preclinical Alzheimer's Disease. <i>Cerebral Cortex</i> , 2018, 28, 3638-3649.	1.6	29
62	Increased midlife triglycerides predict brain β -amyloid and tau pathology 20 years later. <i>Neurology</i> , 2018, 90, e73-e81.	1.5	76
63	P1422: PERIVASCULAR SPACES IN THE HIPPOCAMPUS ARE ASSOCIATED WITH COGNITIVE DECLINE AT FOUR-YEAR FOLLOW-UP IN MCI PATIENTS. <i>Alzheimer's and Dementia</i> , 2018, 14, P467.	0.4	2
64	Arterial Spin-Labeling in Children with Brain Tumor: A Meta-Analysis. <i>American Journal of Neuroradiology</i> , 2018, 39, 1536-1542.	1.2	17
65	Effects of APOE ϵ 4 on neuroimaging, cerebrospinal fluid biomarkers, and cognition in prodromal Alzheimer's disease. <i>Neurobiology of Aging</i> , 2018, 71, 81-90.	1.5	15
66	Imaging brain tumour microstructure. <i>NeuroImage</i> , 2018, 182, 232-250.	2.1	62
67	Arterial spin labeling MR imaging for differentiation between high- and low-grade glioma: a meta-analysis. <i>Neuro-Oncology</i> , 2018, 20, 1450-1461.	0.6	32
68	Rapid syntactic pre-activation in Broca's area: Concurrent electrophysiological and haemodynamic recordings. <i>Brain Research</i> , 2018, 1697, 76-82.	1.1	11
69	Regional structural hypo- and hyperconnectivity of frontal-striatal and frontal-thalamic pathways in behavioral variant frontotemporal dementia. <i>Human Brain Mapping</i> , 2018, 39, 4083-4093.	1.9	21
70	Quantification of normal cerebral oxygen extraction and oxygen metabolism by phase-based MRS susceptibility: evaluation of repeatability using two different imaging protocols. <i>Clinical Physiology and Functional Imaging</i> , 2017, 37, 211-220.	0.5	4
71	Microstructure alterations in the hypothalamus in cranially irradiated childhood leukaemia survivors but not in craniopharyngioma patients unaffected by hypothalamic damage. <i>Clinical Endocrinology</i> , 2017, 87, 359-366.	1.2	7
72	Neurite density imaging versus imaging of microscopic anisotropy in diffusion MRI: A model comparison using spherical tensor encoding. <i>NeuroImage</i> , 2017, 147, 517-531.	2.1	177

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73	Morphometric analysis of thalamic volume in progressive supranuclear palsy: In vivo evidence of regionally specific bilateral thalamic atrophy. <i>Psychiatry Research - Neuroimaging</i> , 2017, 265, 65-71.	0.9	2
74	Imaging biomarkers of dementia: recommended visual rating scales with teaching cases. <i>Insights Into Imaging</i> , 2017, 8, 79-90.	1.6	67
75	Increased blood-brain barrier permeability is associated with dementia and diabetes but not amyloid pathology or APOE genotype. <i>Neurobiology of Aging</i> , 2017, 51, 104-112.	1.5	154
76	Tone-grammar association within words: Concurrent ERP and fMRI show rapid neural pre-activation and involvement of left inferior frontal gyrus in pseudoword processing. <i>Brain and Language</i> , 2017, 174, 119-126.	0.8	16
77	In vivo retention of ¹⁸ F-AV-1451 in corticobasal syndrome. <i>Neurology</i> , 2017, 89, 845-853.	1.5	103
78	Optimal experimental design for filter exchange imaging: Apparent exchange rate measurements in the healthy brain and in intracranial tumors. <i>Magnetic Resonance in Medicine</i> , 2017, 77, C1-C1.	1.9	2
79	MRI of the Swallow Tail Sign: A Useful Marker in the Diagnosis of Lewy Body Dementia?. <i>American Journal of Neuroradiology</i> , 2017, 38, 1737-1741.	1.2	50
80	Optimal experimental design for filter exchange imaging: Apparent exchange rate measurements in the healthy brain and in intracranial tumors. <i>Magnetic Resonance in Medicine</i> , 2017, 77, 1104-1114.	1.9	67
81	The effect of white matter hyperintensities on statistical analysis of diffusion tensor imaging in cognitively healthy elderly and prodromal Alzheimer's disease. <i>PLoS ONE</i> , 2017, 12, e0185239.	1.1	32
82	Diffusion kurtosis imaging of gliomas grades II and III - a study of perilesional tumor infiltration, tumor grades and subtypes at clinical presentation. <i>Radiology and Oncology</i> , 2017, 51, 121-129.	0.6	37
83	A Functional MRI-Based Model for Individual Memory Assessment in Patients Eligible for Anterior Temporal Lobe Resection. <i>Open Neuroimaging Journal</i> , 2017, 11, 1-16.	0.2	7
84	Grey and White Matter Clinico-Anatomical Correlates of Disinhibition in Neurodegenerative Disease. <i>PLoS ONE</i> , 2016, 11, e0164122.	1.1	15
85	Cerebral white matter lesions " associations with A β isoforms and amyloid PET. <i>Scientific Reports</i> , 2016, 6, 20709.	1.6	52
86	Extensive graft-derived dopaminergic innervation is maintained 24 years after transplantation in the degenerating parkinsonian brain. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , 2016, 113, 6544-6549.	3.3	235
87	The link between diffusion MRI and tumor heterogeneity: Mapping cell eccentricity and density by diffusional variance decomposition (DIVIDE). <i>NeuroImage</i> , 2016, 142, 522-532.	2.1	141
88	Plasma β -amyloid in Alzheimer's disease and vascular disease. <i>Scientific Reports</i> , 2016, 6, 26801.	1.6	442
89	Increased amyloidogenic APP processing in APOE ϵ 4-negative individuals with cerebral β -amyloidosis. <i>Nature Communications</i> , 2016, 7, 10918.	5.8	48
90	CSF A β ₄₂ /A β ₄₀ and A β ₄₂ /A β ₃₈ ratios: better diagnostic markers of Alzheimer disease. <i>Annals of Clinical and Translational Neurology</i> , 2016, 3, 154-165.	1.7	329

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91	Q-space trajectory imaging for multidimensional diffusion MRI of the human brain. <i>NeuroImage</i> , 2016, 135, 345-362.	2.1	256
92	Alterations of Diffusion Kurtosis and Neurite Density Measures in Deep Grey Matter and White Matter in Parkinson's Disease. <i>PLoS ONE</i> , 2016, 11, e0157755.	1.1	35
93	Serial monitoring of circulating tumor DNA in patients with primary breast cancer for detection of occult metastatic disease. <i>EMBO Molecular Medicine</i> , 2015, 7, 1034-1047.	3.3	380
94	Validation of a protocol for manual segmentation of the thalamus on magnetic resonance imaging scans. <i>Psychiatry Research - Neuroimaging</i> , 2015, 232, 98-105.	0.9	24
95	Disease-specific structural changes in thalamus and dentatorubrothalamic tract in progressive supranuclear palsy. <i>Neuroradiology</i> , 2015, 57, 1079-1091.	1.1	37
96	Increased CSF biomarkers of angiogenesis in Parkinson disease. <i>Neurology</i> , 2015, 85, 1834-1842.	1.5	109
97	Medial temporal lobe atrophy is underreported and may have important clinical correlates in medical inpatients. <i>BMC Geriatrics</i> , 2015, 15, 65.	1.1	18
98	Word tones cueing morphosyntactic structure: Neuroanatomical substrates and activation time-course assessed by EEG and fMRI. <i>Brain and Language</i> , 2015, 150, 14-21.	0.8	29
99	Quantification of microscopic diffusion anisotropy disentangles effects of orientation dispersion from microstructure: Applications in healthy volunteers and in brain tumors. <i>NeuroImage</i> , 2015, 104, 241-252.	2.1	216
100	Striatal Atrophy in the Behavioural Variant of Frontotemporal Dementia: Correlation with Diagnosis, Negative Symptoms and Disease Severity. <i>PLoS ONE</i> , 2015, 10, e0129692.	1.1	26
101	Extrapolation-Based References Improve Motion and Eddy-Current Correction of High B-Value DWI Data: Application in Parkinson's Disease Dementia. <i>PLoS ONE</i> , 2015, 10, e0141825.	1.1	75
102	Increased Levels of Hyaluronic Acid in Cerebrospinal Fluid in Patients with Vascular Dementia. <i>Journal of Alzheimer's Disease</i> , 2014, 42, 1435-1441.	1.2	33
103	The Australian, US, Scandinavian Imaging Exchange (AUSSIE): an innovative, virtually-integrated health research network embedded in health care. <i>Australasian Psychiatry</i> , 2014, 22, 260-265.	0.4	4
104	Emergency room decision-making for urgent cranial computed tomography: selection criteria for subsets of non-trauma patients. <i>Acta Radiologica</i> , 2014, 55, 847-854.	0.5	9
105	Autosomal dominant cerebellar ataxia with slow ocular saccades, neuropathy and orthostatism: A novel entity?. <i>Parkinsonism and Related Disorders</i> , 2014, 20, 748-754.	1.1	4
106	P2-182: MEDIAL TEMPORAL LOBE ATROPHY IS FREQUENT, UNDERREPORTED, AND HAS IMPORTANT CLINICAL CORRELATES IN MEDICAL INPATIENTS. , 2014, 10, P537-P537.		0
107	Noninvasive mapping of water diffusional exchange in the human brain using filter-exchange imaging. <i>Magnetic Resonance in Medicine</i> , 2013, 69, 1572-1580.	1.9	142
108	Variability in diffusion kurtosis imaging: Impact on study design, statistical power and interpretation. <i>NeuroImage</i> , 2013, 76, 145-154.	2.1	62

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109	The role of tissue microstructure and water exchange in biophysical modelling of diffusion in white matter. <i>Magnetic Resonance Materials in Physics, Biology, and Medicine</i> , 2013, 26, 345-370.	1.1	123
110	Regional values of diffusional kurtosis estimates in the healthy brain. <i>Journal of Magnetic Resonance Imaging</i> , 2013, 37, 610-618.	1.9	71
111	Assessment of Global and Regional Diffusion Changes along White Matter Tracts in Parkinsonian Disorders by MR Tractography. <i>PLoS ONE</i> , 2013, 8, e66022.	1.1	29
112	Diffusion Tensor Tractography versus Volumetric Imaging in the Diagnosis of Behavioral Variant Frontotemporal Dementia. <i>PLoS ONE</i> , 2013, 8, e66932.	1.1	44
113	The importance of axonal undulation in diffusion MR measurements: a Monte Carlo simulation study. <i>NMR in Biomedicine</i> , 2012, 25, 795-805.	1.6	142
114	Correlation between arterial blood volume obtained by arterial spin labelling and cerebral blood volume in intracranial tumours. <i>Magnetic Resonance Materials in Physics, Biology, and Medicine</i> , 2011, 24, 211-223.	1.1	35
115	Magnetic Resonance Findings in the Pregeniculate Visual Pathways in Leber Hereditary Optic Neuropathy. <i>Journal of Neuro-Ophthalmology</i> , 2011, 31, 48-51.	0.4	24
116	Size of basal ganglia in suicide attempters, and its association with temperament and serotonin transporter density. <i>Psychiatry Research - Neuroimaging</i> , 2010, 183, 177-179.	0.9	53
117	Cerebral perfusion information obtained by dynamic contrast-enhanced phase-shift magnetic resonance imaging: comparison with model-free arterial spin labelling. <i>Clinical Physiology and Functional Imaging</i> , 2010, 30, 375-379.	0.5	3
118	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. <i>Acta Radiologica</i> , 2006, 47, 311-319.	0.5	56
119	Fingersomatotopy in area 3b: an fMRI-study. <i>BMC Neuroscience</i> , 2004, 5, 28.	0.8	52
120	Solid bolus swallowing in the radiologic evaluation of dysphagia. <i>Acta Radiologica</i> , 1993, 34, 372-5.	0.5	4