

Geert Jan Biessels

List of Publications by Year in descending order

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Version: 2024-02-01

341
papers

26,689
citations

8755

75
h-index

7745

150
g-index

363
all docs

363
docs citations

363
times ranked

24755
citing authors

#	ARTICLE	IF	CITATIONS
1	Neuroimaging standards for research into small vessel disease and its contribution to ageing and neurodegeneration. <i>Lancet Neurology</i> , The, 2013, 12, 822-838.	10.2	3,919
2	Risk of dementia in diabetes mellitus: a systematic review. <i>Lancet Neurology</i> , The, 2006, 5, 64-74.	10.2	1,791
3	New insights into the genetic etiology of Alzheimer's disease and related dementias. <i>Nature Genetics</i> , 2022, 54, 412-436.	21.4	700
4	Cognitive decline and dementia in diabetes mellitus: mechanisms and clinical implications. <i>Nature Reviews Endocrinology</i> , 2018, 14, 591-604.	9.6	689
5	The Effects of Type 1 Diabetes on Cognitive Performance. <i>Diabetes Care</i> , 2005, 28, 726-735.	8.6	652
6	Cognition and diabetes: a lifespan perspective. <i>Lancet Neurology</i> , The, 2008, 7, 184-190.	10.2	557
7	Vascular dysfunction – The disregarded partner of Alzheimer's disease. <i>Alzheimer's and Dementia</i> , 2019, 15, 158-167.	0.8	454
8	Brain Magnetic Resonance Imaging Correlates of Impaired Cognition in Patients With Type 2 Diabetes. <i>Diabetes</i> , 2006, 55, 1106-1113.	0.6	431
9	Dementia and cognitive decline in type 2 diabetes and prediabetic stages: towards targeted interventions. <i>Lancet Diabetes and Endocrinology</i> , the, 2014, 2, 246-255.	11.4	431
10	Hippocampal insulin resistance and cognitive dysfunction. <i>Nature Reviews Neuroscience</i> , 2015, 16, 660-671.	10.2	396
11	Methodological considerations on tract-based spatial statistics (TBSS). <i>NeuroImage</i> , 2014, 100, 358-369.	4.2	395
12	Ageing and diabetes: implications for brain function. <i>European Journal of Pharmacology</i> , 2002, 441, 1-14.	3.5	377
13	Diabetes, hyperglycaemia, and acute ischaemic stroke. <i>Lancet Neurology</i> , The, 2012, 11, 261-271.	10.2	377
14	Brain Imaging in Patients With Diabetes. <i>Diabetes Care</i> , 2006, 29, 2539-2548.	8.6	317
15	Treatment of Diabetes in Older Adults: An Endocrine Society* Clinical Practice Guideline. <i>Journal of Clinical Endocrinology and Metabolism</i> , 2019, 104, 1520-1574.	3.6	305
16	Diabetes and other vascular risk factors for dementia: Which factor matters most? A systematic review. <i>European Journal of Pharmacology</i> , 2008, 585, 97-108.	3.5	297
17	Type 2 diabetes mellitus, hypertension, dyslipidemia and obesity: A systematic comparison of their impact on cognition. <i>Biochimica Et Biophysica Acta - Molecular Basis of Disease</i> , 2009, 1792, 470-481.	3.8	295
18	Prevention of Stroke in Patients With Silent Cerebrovascular Disease: A Scientific Statement for Healthcare Professionals From the American Heart Association/American Stroke Association. <i>Stroke</i> , 2017, 48, e44-e71.	2.0	284

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19	Hyperglycemia in acute ischemic stroke: pathophysiology and clinical management. <i>Nature Reviews Neurology</i> , 2010, 6, 145-155.	10.1	282
20	Glucose regulation, cognition, and brain MRI in type 2 diabetes: a systematic review. <i>Lancet Diabetes and Endocrinology</i> , 2015, 3, 75-89.	11.4	281
21	Cognitive function in patients with diabetes mellitus: guidance for daily care. <i>Lancet Neurology</i> , 2015, 14, 329-340.	10.2	264
22	Magnitude of Cognitive Dysfunction in Adults with Type 2 Diabetes: A Meta-analysis of Six Cognitive Domains and the Most Frequently Reported Neuropsychological Tests Within Domains. <i>Journal of the International Neuropsychological Society</i> , 2014, 20, 278-291.	1.8	263
23	A Novel Imaging Marker for Small Vessel Disease Based on Skeletonization of White Matter Tracts and Diffusion Histograms. <i>Annals of Neurology</i> , 2016, 80, 581-592.	5.3	250
24	White matter hyperintensities in vascular contributions to cognitive impairment and dementia (VCID): Knowledge gaps and opportunities. <i>Alzheimer's and Dementia: Translational Research and Clinical Interventions</i> , 2019, 5, 107-117.	3.7	250
25	Brain Changes Underlying Cognitive Dysfunction in Diabetes: What Can We Learn From MRI?. <i>Diabetes</i> , 2014, 63, 2244-2252.	0.6	242
26	Cerebral Microinfarcts: A Systematic Review of Neuropathological Studies. <i>Journal of Cerebral Blood Flow and Metabolism</i> , 2012, 32, 425-436.	4.3	227
27	Detection, risk factors, and functional consequences of cerebral microinfarcts. <i>Lancet Neurology</i> , 2017, 16, 730-740.	10.2	225
28	Microstructural White Matter Abnormalities and Cognitive Functioning in Type 2 Diabetes. <i>Diabetes Care</i> , 2013, 36, 137-144.	8.6	206
29	Cognitive dysfunction in patients with type 2 diabetes. <i>Diabetes/Metabolism Research and Reviews</i> , 2010, 26, 507-519.	4.0	201
30	Type 2 diabetes and cognitive dysfunction – towards effective management of both comorbidities. <i>Lancet Diabetes and Endocrinology</i> , 2020, 8, 535-545.	11.4	192
31	Midlife risk score for the prediction of dementia four decades later. <i>Alzheimer's and Dementia</i> , 2014, 10, 562-570.	0.8	190
32	Risk score for prediction of 10 year dementia risk in individuals with type 2 diabetes: a cohort study. <i>Lancet Diabetes and Endocrinology</i> , 2013, 1, 183-190.	11.4	189
33	MRBrainS Challenge: Online Evaluation Framework for Brain Image Segmentation in 3T MRI Scans. <i>Computational Intelligence and Neuroscience</i> , 2015, 2015, 1-16.	1.7	179
34	<i>In Vivo</i> Detection of Cerebral Cortical Microinfarcts with High-Resolution 7T MRI. <i>Journal of Cerebral Blood Flow and Metabolism</i> , 2013, 33, 322-329.	4.3	177
35	Standardized Assessment of Automatic Segmentation of White Matter Hyperintensities and Results of the WMH Segmentation Challenge. <i>IEEE Transactions on Medical Imaging</i> , 2019, 38, 2556-2568.	8.9	165
36	Progression of Cerebral Atrophy and White Matter Hyperintensities in Patients With Type 2 Diabetes. <i>Diabetes Care</i> , 2010, 33, 1309-1314.	8.6	155

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37	The impact of diabetes on cognition: What can be learned from rodent models?. <i>Neurobiology of Aging</i> , 2005, 26, 36-41.	3.1	149
38	Hippocampal subfield volumes at 7T in early Alzheimer's disease and normal aging. <i>Neurobiology of Aging</i> , 2014, 35, 2039-2045.	3.1	149
39	Cognitive Performance, Psychological Well-Being, and Brain Magnetic Resonance Imaging in Older Patients With Type 1 Diabetes. <i>Diabetes</i> , 2006, 55, 1800-1806.	0.6	146
40	Imaging Intracranial Vessel Wall Pathology With Magnetic Resonance Imaging. <i>Circulation</i> , 2014, 130, 192-201.	1.6	143
41	Strategic infarct location for post-stroke cognitive impairment: A multivariate lesion-symptom mapping study. <i>Journal of Cerebral Blood Flow and Metabolism</i> , 2018, 38, 1299-1311.	4.3	136
42	Disruption of the Cerebral White Matter Network Is Related to Slowing of Information Processing Speed in Patients With Type 2 Diabetes. <i>Diabetes</i> , 2013, 62, 2112-2115.	0.6	135
43	Cognition in the Early Stage of Type 2 Diabetes. <i>Diabetes Care</i> , 2009, 32, 1261-1265.	8.6	134
44	A Critical Appraisal of the Hippocampal Subfield Segmentation Package in FreeSurfer. <i>Frontiers in Aging Neuroscience</i> , 2014, 6, 261.	3.4	132
45	Lesion location and cognitive impact of cerebral small vessel disease. <i>Clinical Science</i> , 2017, 131, 715-728.	4.3	127
46	Disruption of cerebral networks and cognitive impairment in Alzheimer disease. <i>Neurology</i> , 2013, 80, 1370-1377.	1.1	125
47	Outcome markers for clinical trials in cerebral amyloid angiopathy. <i>Lancet Neurology</i> , The, 2014, 13, 419-428.	10.2	124
48	Bayesian Model Selection for Pathological Neuroimaging Data Applied to White Matter Lesion Segmentation. <i>IEEE Transactions on Medical Imaging</i> , 2015, 34, 2079-2102.	8.9	123
49	Associations Between Retinal Microvascular Changes and Dementia, Cognitive Functioning, and Brain Imaging Abnormalities: A Systematic Review. <i>Journal of Cerebral Blood Flow and Metabolism</i> , 2013, 33, 983-995.	4.3	122
50	Tackling challenges in care of Alzheimer's disease and other dementias amid the COVID-19 pandemic, now and in the future. <i>Alzheimer's and Dementia</i> , 2020, 16, 1571-1581.	0.8	122
51	Cerebral cortical thickness in patients with type 2 diabetes. <i>Journal of the Neurological Sciences</i> , 2010, 299, 126-130.	0.6	121
52	Strategic infarct locations for post-stroke cognitive impairment: a pooled analysis of individual patient data from 12 acute ischaemic stroke cohorts. <i>Lancet Neurology</i> , The, 2021, 20, 448-459.	10.2	120
53	Cognitive dysfunction in diabetes: how to implement emerging guidelines. <i>Diabetologia</i> , 2020, 63, 3-9.	6.3	117
54	The impact of diabetes mellitus on cognitive decline in the oldest of the old: a prospective population-based study. <i>Diabetologia</i> , 2006, 49, 2015-2023.	6.3	112

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55	Cortical microinfarcts on 3T MRI: Clinical correlates in memory clinic patients. <i>Alzheimer's and Dementia</i> , 2015, 11, 1500-1509.	0.8	109
56	Free water determines diffusion alterations and clinical status in cerebral small vessel disease. <i>Alzheimer's and Dementia</i> , 2018, 14, 764-774.	0.8	108
57	Shared and distinct anatomical correlates of semantic and phonemic fluency revealed by lesion-symptom mapping in patients with ischemic stroke. <i>Brain Structure and Function</i> , 2016, 221, 2123-2134.	2.3	107
58	White Matter Lesions and Brain Atrophy: More than Shared Risk Factors? A Systematic Review. <i>Cerebrovascular Diseases</i> , 2009, 28, 227-242.	1.7	104
59	Diabetes Increases Atrophy and Vascular Lesions on Brain MRI in Patients With Symptomatic Arterial Disease. <i>Stroke</i> , 2008, 39, 1600-1603.	2.0	102
60	Visualization of Perivascular Spaces and Perforating Arteries With 7 T Magnetic Resonance Imaging. <i>Investigative Radiology</i> , 2014, 49, 307-313.	6.2	102
61	Association of Amyloid Positron Emission Tomography With Changes in Diagnosis and Patient Treatment in an Unselected Memory Clinic Cohort. <i>JAMA Neurology</i> , 2018, 75, 1062.	9.0	102
62	Cortical cerebral microinfarcts on 3T MRI. <i>Neurology</i> , 2016, 87, 1583-1590.	1.1	101
63	Hyperglycemia and Clinical Outcome in Aneurysmal Subarachnoid Hemorrhage. <i>Stroke</i> , 2009, 40, e424-30.	2.0	96
64	Brain imaging in type 2 diabetes. <i>European Neuropsychopharmacology</i> , 2014, 24, 1967-1981.	0.7	96
65	Understanding multifactorial brain changes in type 2 diabetes: a biomarker perspective. <i>Lancet Neurology</i> , The, 2020, 19, 699-710.	10.2	96
66	Microbleed and microinfarct detection in amyloid angiopathy: a high-resolution MRI-histopathology study. <i>Brain</i> , 2016, 139, 3151-3162.	7.6	94
67	Association between Subcortical Vascular Lesion Location and Cognition: A Voxel-Based and Tract-Based Lesion-Symptom Mapping Study. The SMART-MR Study. <i>PLoS ONE</i> , 2013, 8, e60541.	2.5	92
68	A detailed profile of cognitive dysfunction and its relation to psychological distress in patients with type 2 diabetes mellitus. <i>Journal of the International Neuropsychological Society</i> , 2007, 13, 288-97.	1.8	91
69	Multiple Microbleeds are Related to Cerebral Network Disruptions in Patients with Early Alzheimer's Disease. <i>Journal of Alzheimer's Disease</i> , 2013, 38, 211-221.	2.6	89
70	Evaluation of a deep learning approach for the segmentation of brain tissues and white matter hyperintensities of presumed vascular origin in MRI. <i>NeuroImage: Clinical</i> , 2018, 17, 251-262.	2.7	88
71	Cognitive Functioning and Brain MRI in Patients with Type 1 and Type 2 Diabetes Mellitus: A Comparative Study. <i>Dementia and Geriatric Cognitive Disorders</i> , 2007, 23, 343-350.	1.5	86
72	Efficient detection of cerebral microbleeds on 7.0T MR images using the radial symmetry transform. <i>NeuroImage</i> , 2012, 59, 2266-2273.	4.2	84

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73	Cognitive Functioning in Elderly Persons with Type 2 Diabetes and Metabolic Syndrome: the Hoorn Study. <i>Dementia and Geriatric Cognitive Disorders</i> , 2008, 26, 261-269.	1.5	83
74	Robustness of Automated Methods for Brain Volume Measurements across Different MRI Field Strengths. <i>PLoS ONE</i> , 2016, 11, e0165719.	2.5	83
75	METACOHORTS for the study of vascular disease and its contribution to cognitive decline and neurodegeneration: An initiative of the Joint Programme for Neurodegenerative Disease Research. <i>Alzheimer's and Dementia</i> , 2016, 12, 1235-1249.	0.8	82
76	White Matter Hyperintensities and Cognition in Mild Cognitive Impairment and Alzheimer's Disease: A Domain-Specific Meta-Analysis. <i>Journal of Alzheimer's Disease</i> , 2018, 63, 515-527.	2.6	82
77	Reproducibility and variability of quantitative magnetic resonance imaging markers in cerebral small vessel disease. <i>Journal of Cerebral Blood Flow and Metabolism</i> , 2016, 36, 1319-1337.	4.3	80
78	Accelerated cognitive decline in patients with type 2 diabetes: MRI correlates and risk factors. <i>Diabetes/Metabolism Research and Reviews</i> , 2011, 27, 195-202.	4.0	78
79	Heart failure and cognitive function in the general population: the Hoorn Study. <i>European Journal of Heart Failure</i> , 2011, 13, 1362-1369.	7.1	78
80	High Prevalence of Cerebral Microbleeds at 7Tesla MRI in Patients with Early Alzheimer's Disease. <i>Journal of Alzheimer's Disease</i> , 2012, 31, 259-263.	2.6	78
81	The Effect of Lacunar Infarcts on White Matter Tract Integrity. <i>Stroke</i> , 2013, 44, 2019-2021.	2.0	77
82	Cerebral amyloid angiopathy severity is linked to dilation of juxtacortical perivascular spaces. <i>Journal of Cerebral Blood Flow and Metabolism</i> , 2016, 36, 576-580.	4.3	76
83	Angiotensin converting enzyme inhibition partially prevents deficits in water maze performance, hippocampal synaptic plasticity and cerebral blood flow in streptozotocin-diabetic rats. <i>Brain Research</i> , 2003, 966, 274-282.	2.2	73
84	Diabetes and cognitive impairment. <i>Journal of Neurology</i> , 2006, 253, 477-482.	3.6	72
85	Glucose, insulin and the brain: modulation of cognition and synaptic plasticity in health and disease: a preface. <i>European Journal of Pharmacology</i> , 2004, 490, 1-4.	3.5	66
86	Vascular and Alzheimer's disease markers independently predict brain atrophy rate in Alzheimer's Disease Neuroimaging Initiative controls. <i>Neurobiology of Aging</i> , 2013, 34, 1996-2002.	3.1	66
87	Harmonizing brain magnetic resonance imaging methods for vascular contributions to neurodegeneration. <i>Alzheimer's and Dementia: Diagnosis, Assessment and Disease Monitoring</i> , 2019, 11, 191-204.	2.4	65
88	Higher Pulsatility in Cerebral Perforating Arteries in Patients With Small Vessel Disease Related Stroke, a 7T MRI Study. <i>Stroke</i> , 2019, 50, 62-68.	2.0	65
89	Severe Diabetic Retinal Disease and Dementia Risk in Type 2 Diabetes. <i>Journal of Alzheimer's Disease</i> , 2014, 42, S109-S117.	2.6	64
90	Risk Factors and Cognitive Relevance of Cortical Cerebral Microinfarcts in Patients With Ischemic Stroke or Transient Ischemic Attack. <i>Stroke</i> , 2016, 47, 2450-2455.	2.0	63

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91	Heterogeneous histopathology of cortical microbleeds in cerebral amyloid angiopathy. <i>Neurology</i> , 2016, 86, 867-871.	1.1	63
92	Cortical Microinfarcts Detected In Vivo on 3 Tesla MRI. <i>Stroke</i> , 2015, 46, 255-257.	2.0	62
93	White matter hyperintensities are associated with disproportionate progressive hippocampal atrophy. <i>Hippocampus</i> , 2017, 27, 249-262.	1.9	62
94	Diabetes mellitus and progression of vascular brain lesions and brain atrophy in patients with symptomatic atherosclerotic disease. The SMART-MR study. <i>Journal of the Neurological Sciences</i> , 2013, 332, 69-74.	0.6	61
95	The Prognostic Value of CT Angiography and CT Perfusion in Acute Ischemic Stroke. <i>Cerebrovascular Diseases</i> , 2015, 40, 258-269.	1.7	60
96	Cognitive dysfunction and diabetes: Implications for primary care. <i>Primary Care Diabetes</i> , 2007, 1, 187-193.	1.8	59
97	Multi-sequence whole-brain intracranial vessel wall imaging at 7.0 tesla. <i>European Radiology</i> , 2013, 23, 2996-3004.	4.5	59
98	The anatomy of visuospatial construction revealed by lesion-symptom mapping. <i>Neuropsychologia</i> , 2014, 62, 68-76.	1.6	59
99	The Dutch Parelinoer Institute - Neurodegenerative diseases; methods, design and baseline results. <i>BMC Neurology</i> , 2014, 14, 254.	1.8	57
100	Alzheimer's biomarkers in daily practice (ABIDE) project: Rationale and design. <i>Alzheimer's and Dementia: Diagnosis, Assessment and Disease Monitoring</i> , 2017, 6, 143-151.	2.4	57
101	Association Between Subclinical Cardiac Biomarkers and Clinically Manifest Cardiac Diseases With Cortical Cerebral Microinfarcts. <i>JAMA Neurology</i> , 2017, 74, 403.	9.0	57
102	Cerebral haemodynamics, cognition and brain volumes in patients with type 2 diabetes. <i>Journal of Diabetes and Its Complications</i> , 2012, 26, 205-209.	2.3	56
103	Neuronal Ca ²⁺ dysregulation in diabetes mellitus. <i>European Journal of Pharmacology</i> , 2002, 447, 201-209.	3.5	54
104	The Spectrum of MR Detectable Cortical Microinfarcts: A Classification Study with 7-Tesla Postmortem MRI and Histopathology. <i>Journal of Cerebral Blood Flow and Metabolism</i> , 2015, 35, 676-683.	4.3	54
105	Hyperglycemia in Aneurysmal Subarachnoid Hemorrhage: A Potentially Modifiable Risk Factor for Poor Outcome. <i>Journal of Cerebral Blood Flow and Metabolism</i> , 2010, 30, 1577-1587.	4.3	53
106	Microvascular Determinants of Cognitive Decline and Brain Volume Change in Elderly Patients with Type 2 Diabetes. <i>Dementia and Geriatric Cognitive Disorders</i> , 2010, 30, 381-386.	1.5	53
107	Intensive multifactorial treatment and cognitive functioning in screen-detected type 2 diabetes â€” The ADDITION-Netherlands study: A cluster-randomized trial. <i>Journal of the Neurological Sciences</i> , 2012, 314, 71-77.	0.6	53
108	The Role of Hyperglycemia, Insulin Resistance, and Blood Pressure in Diabetes-Associated Differences in Cognitive Performanceâ€”The Maastricht Study. <i>Diabetes Care</i> , 2017, 40, 1537-1547.	8.6	53

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109	Brain microvascular injury and white matter disease provoked by diabetes-associated hyperamylinemia. <i>Annals of Neurology</i> , 2017, 82, 208-222.	5.3	52
110	Effect of Linagliptin on Cognitive Performance in Patients With Type 2 Diabetes and Cardiorenal Comorbidities: The CARMELINA Randomized Trial. <i>Diabetes Care</i> , 2019, 42, 1930-1938.	8.6	52
111	Impact of Strategically Located White Matter Hyperintensities on Cognition in Memory Clinic Patients with Small Vessel Disease. <i>PLoS ONE</i> , 2016, 11, e0166261.	2.5	52
112	Cerebral Microvascular Lesions on High-Resolution 7-Tesla MRI in Patients With Type 2 Diabetes. <i>Diabetes</i> , 2014, 63, 3523-3529.	0.6	51
113	A comparison of MR based segmentation methods for measuring brain atrophy progression. <i>NeuroImage</i> , 2011, 54, 760-768.	4.2	50
114	Completeness of the circle of Willis and risk of ischemic stroke in patients without cerebrovascular disease. <i>Neuroradiology</i> , 2015, 57, 1247-1251.	2.2	49
115	Structural brain imaging in diabetes: A methodological perspective. <i>European Journal of Pharmacology</i> , 2008, 585, 208-218.	3.5	46
116	Hyperinsulinemia in rats causes impairment of spatial memory and learning with defects in hippocampal synaptic plasticity by involvement of postsynaptic mechanisms. <i>Experimental Brain Research</i> , 2013, 226, 45-51.	1.5	46
117	The Heart-Brain Connection: A Multidisciplinary Approach Targeting a Missing Link in the Pathophysiology of Vascular Cognitive Impairment. <i>Journal of Alzheimer's Disease</i> , 2014, 42, S443-S451.	2.6	45
118	The Missing Link in the Pathophysiology of Vascular Cognitive Impairment: Design of the Heart-Brain Study. <i>Cerebrovascular Diseases Extra</i> , 2018, 7, 140-152.	1.5	44
119	The Telephone Interview for Cognitive Status (Modified): Relation with a comprehensive neuropsychological assessment. <i>Journal of Clinical and Experimental Neuropsychology</i> , 2012, 34, 598-605.	1.3	43
120	Carotid stiffness is associated with impairment of cognitive performance in individuals with and without type 2 diabetes. The Maastricht Study. <i>Atherosclerosis</i> , 2016, 253, 186-193.	0.8	42
121	Cerebral amyloid burden is associated with white matter hyperintensity location in specific posterior white matter regions. <i>Neurobiology of Aging</i> , 2019, 84, 225-234.	3.1	42
122	Cross-cohort generalizability of deep and conventional machine learning for MRI-based diagnosis and prediction of Alzheimer's disease. <i>NeuroImage: Clinical</i> , 2021, 31, 102712.	2.7	42
123	Determinants of leptomeningeal collateral flow in stroke patients with a middle cerebral artery occlusion. <i>Neuroradiology</i> , 2016, 58, 969-977.	2.2	41
124	Visualization of cerebral microbleeds with dual-echo T2*-weighted magnetic resonance imaging at 7.0 T. <i>Journal of Magnetic Resonance Imaging</i> , 2010, 32, 52-59.	3.4	40
125	Potentials of incretin-based therapies in dementia and stroke in type 2 diabetes mellitus. <i>Journal of Diabetes Investigation</i> , 2016, 7, 5-16.	2.4	40
126	Development of Vascular Risk Factors over 15 Years in Relation to Cognition: The GoDAD Study. <i>Journal of the American Geriatrics Society</i> , 2012, 60, 1426-1433.	2.6	39

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127	White matter hyperintensity shape and location feature analysis on brain MRI; proof of principle study in patients with diabetes. <i>Scientific Reports</i> , 2018, 8, 1893.	3.3	39
128	Perivascular spaces on 7 Tesla brain MRI are related to markers of small vessel disease but not to age or cardiovascular risk factors. <i>Journal of Cerebral Blood Flow and Metabolism</i> , 2016, 36, 1708-1717.	4.3	38
129	Abnormalities of Cerebral Deep Medullary Veins on 7 Tesla MRI in Amnesic Mild Cognitive Impairment and Early Alzheimer's Disease: A Pilot Study. <i>Journal of Alzheimer's Disease</i> , 2017, 57, 705-710.	2.6	38
130	Performance of five automated white matter hyperintensity segmentation methods in a multicenter dataset. <i>Scientific Reports</i> , 2019, 9, 16742.	3.3	38
131	Cardiac and respiration-induced brain deformations in humans quantified with high-field MRI. <i>NeuroImage</i> , 2020, 210, 116581.	4.2	38
132	Reliability of Visual Assessment of Non-Contrast CT, CT Angiography Source Images and CT Perfusion in Patients with Suspected Ischemic Stroke. <i>PLoS ONE</i> , 2013, 8, e75615.	2.5	38
133	The effect of gamma-linolenic acid and alpha-lipoic acid on functional deficits in the peripheral and central nervous system of streptozotocin-diabetic rats. <i>Journal of the Neurological Sciences</i> , 2001, 182, 99-106.	0.6	37
134	Hippocampal Disconnection in Early Alzheimer's Disease: A 7 Tesla MRI Study. <i>Journal of Alzheimer's Disease</i> , 2015, 45, 1247-1256.	2.6	37
135	Working memory binding and episodic memory formation in aging, mild cognitive impairment, and Alzheimer's dementia. <i>Journal of Clinical and Experimental Neuropsychology</i> , 2015, 37, 538-548.	1.3	37
136	Cognitive impairment in patients with cerebrovascular disease: A white paper from the links between stroke ESO Dementia Committee. <i>European Stroke Journal</i> , 2021, 6, 5-17.	5.5	37
137	Global brain atrophy but not hippocampal atrophy is related to type 2 diabetes. <i>Journal of the Neurological Sciences</i> , 2014, 344, 32-36.	0.6	36
138	Microbleeds on MRI are associated with microinfarcts on autopsy in cerebral amyloid angiopathy. <i>Neurology</i> , 2016, 87, 1488-1492.	1.1	35
139	Small vessel disease more than Alzheimer's disease determines diffusion MRI alterations in memory clinic patients. <i>Alzheimer's and Dementia</i> , 2020, 16, 1504-1514.	0.8	35
140	Nerve conduction velocity and evoked potential latencies in streptozotocin-diabetic rats: effects of treatment with an angiotensin converting enzyme inhibitor. <i>Diabetes/Metabolism Research and Reviews</i> , 2003, 19, 469-477.	4.0	34
141	The metabolic syndrome, atherosclerosis and cognitive functioning in a non-demented population: The Hoorn Study. <i>Atherosclerosis</i> , 2011, 219, 839-845.	0.8	34
142	Reduced vascular amyloid burden at microhemorrhage sites in cerebral amyloid angiopathy. <i>Acta Neuropathologica</i> , 2017, 133, 409-415.	7.7	34
143	Better and faster velocity pulsatility assessment in cerebral white matter perforating arteries with 7T quantitative flow MRI through improved slice profile, acquisition scheme, and postprocessing. <i>Magnetic Resonance in Medicine</i> , 2018, 79, 1473-1482.	3.0	34
144	Extent to Which Network Hubs Are Affected by Ischemic Stroke Predicts Cognitive Recovery. <i>Stroke</i> , 2019, 50, 2768-2774.	2.0	34

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145	Admission Hyperglycaemia and Cerebral Perfusion Deficits in Acute Ischaemic Stroke. <i>Cerebrovascular Diseases</i> , 2013, 35, 163-167.	1.7	32
146	Vascular brain lesions, brain atrophy, and cognitive decline. The Second Manifestations of ARTERial diseaseâ€”Magnetic Resonance (SMART-MR) study. <i>Neurobiology of Aging</i> , 2014, 35, 35-41.	3.1	32
147	Anatomy of phonemic and semantic fluency: A lesion and disconnectome study in 1231 stroke patients. <i>Cortex</i> , 2021, 143, 148-163.	2.4	32
148	Semi-Automated Detection of Cerebral Microbleeds on 3.0 T MR Images. <i>PLoS ONE</i> , 2013, 8, e66610.	2.5	32
149	Cerebral Cortical Microinfarcts at 7Tesla MRI in Patients with Early Alzheimer's Disease. <i>Journal of Alzheimer's Disease</i> , 2014, 39, 163-167.	2.6	31
150	Patterns of progressive atrophy vary with age in Alzheimer's disease patients. <i>Neurobiology of Aging</i> , 2018, 63, 22-32.	3.1	31
151	MR spectroscopy of cerebral white matter in type 2 diabetes; no association with clinical variables and cognitive performance. <i>Neuroradiology</i> , 2010, 52, 155-161.	2.2	30
152	The cumulative effect of small vessel disease lesions is reflected in structural brain networks of memory clinic patients. <i>NeuroImage: Clinical</i> , 2018, 19, 963-969.	2.7	30
153	Cortical microinfarcts in memory clinic patients are associated with reduced cerebral perfusion. <i>Journal of Cerebral Blood Flow and Metabolism</i> , 2020, 40, 1869-1878.	4.3	30
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