Jeroen de Bresser

List of Publications by Year
in descending order

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Version: 2024-02-01

92	3,035	186209	175177
papers	citations	28 h-index	52 g-index

100	100	100	4641
all docs	docs citations	times ranked	citing authors

#	Article	IF	Citations
1	Cerebral Microinfarcts: A Systematic Review of Neuropathological Studies. Journal of Cerebral Blood Flow and Metabolism, 2012, 32, 425-436.	2.4	227
2	A 4 year follow-up study of cognitive functioning in patients with type 2 diabetes mellitus. Diabetologia, 2010, 53, 58-65.	2.9	209
3	Microstructural White Matter Abnormalities and Cognitive Functioning in Type 2 Diabetes. Diabetes Care, 2013, 36, 137-144.	4.3	206
4	MRBrainS Challenge: Online Evaluation Framework for Brain Image Segmentation in 3T MRI Scans. Computational Intelligence and Neuroscience, 2015, 2015, 1-16.	1.1	179
5	Standardized Assessment of Automatic Segmentation of White Matter Hyperintensities and Results of the WMH Segmentation Challenge. IEEE Transactions on Medical Imaging, 2019, 38, 2556-2568.	5.4	165
6	Progression of Cerebral Atrophy and White Matter Hyperintensities in Patients With Type 2 Diabetes. Diabetes Care, 2010, 33, 1309-1314.	4.3	155
7	Cerebral cortical thickness in patients with type 2 diabetes. Journal of the Neurological Sciences, 2010, 299, 126-130.	0.3	121
8	Breast MRI in clinically and mammographically occult breast cancer presenting with an axillary metastasis: A systematic review. European Journal of Surgical Oncology, 2010, 36, 114-119.	0.5	118
9	Evaluation of a deep learning approach for the segmentation of brain tissues and white matter hyperintensities of presumed vascular origin inÂMRI. NeuroImage: Clinical, 2018, 17, 251-262.	1.4	88
10	Efficient detection of cerebral microbleeds on 7.0T MR images using the radial symmetry transform. NeuroImage, 2012, 59, 2266-2273.	2.1	84
11	Robustness of Automated Methods for Brain Volume Measurements across Different MRI Field Strengths. PLoS ONE, 2016, 11, e0165719.	1.1	83
12	ExploreASL: An image processing pipeline for multi-center ASL perfusion MRI studies. NeuroImage, 2020, 219, 117031.	2.1	80
13	Accelerated cognitive decline in patients with type 2 diabetes: MRI correlates and risk factors. Diabetes/Metabolism Research and Reviews, 2011, 27, 195-202.	1.7	78
14	High Prevalence of Cerebral Microbleeds at 7Tesla MRI in Patients with Early Alzheimer's Disease. Journal of Alzheimer's Disease, 2012, 31, 259-263.	1.2	78
15	High frequency oscillations in the intra-operative ECoG to guide epilepsy surgery (â€œThe HFO Trialâ€): study protocol for a randomized controlled trial. Trials, 2015, 16, 422.	0.7	68
16	Cerebral haemodynamics, cognition and brain volumes in patients with type 2 diabetes. Journal of Diabetes and Its Complications, 2012, 26, 205-209.	1.2	56
17	Microvascular Determinants of Cognitive Decline and Brain Volume Change in Elderly Patients with Type 2 Diabetes. Dementia and Geriatric Cognitive Disorders, 2010, 30, 381-386.	0.7	53
18	A comparison of MR based segmentation methods for measuring brain atrophy progression. NeuroImage, 2011, 54, 760-768.	2.1	50

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19	The association between brain volume, cortical brain infarcts, and physical frailty. Neurobiology of Aging, 2018, 70, 247-253.	1.5	44
20	Cerebral amyloid burden is associated with white matter hyperintensity location in specific posterior white matter regions. Neurobiology of Aging, 2019, 84, 225-234.	1.5	42
21	White matter hyperintensity shape and location feature analysis on brain MRI; proof of principle study in patients with diabetes. Scientific Reports, 2018, 8, 1893.	1.6	39
22	MRI Markers of Neurodegenerative and Neurovascular Changes in Relation to Postoperative Delirium and Postoperative Cognitive Decline. American Journal of Geriatric Psychiatry, 2017, 25, 1048-1061.	0.6	38
23	The association between frailty and MRI features of cerebral small vessel disease. Scientific Reports, 2019, 9, 11343.	1.6	38
24	Performance of five automated white matter hyperintensity segmentation methods in a multicenter dataset. Scientific Reports, 2019, 9, 16742.	1.6	38
25	Hippocampal Disconnection in Early Alzheimer's Disease: A 7 Tesla MRI Study. Journal of Alzheimer's Disease, 2015, 45, 1247-1256.	1.2	37
26	Global brain atrophy but not hippocampal atrophy is related to type 2 diabetes. Journal of the Neurological Sciences, 2014, 344, 32-36.	0.3	36
27	Cognitive functioning and structural brain abnormalities in people with Type 2 diabetes mellitus. Diabetic Medicine, 2018, 35, 1663-1670.	1.2	34
28	The association between lacunes and white matter hyperintensity features on MRI: The SMART-MR study. Journal of Cerebral Blood Flow and Metabolism, 2019, 39, 2486-2496.	2.4	34
29	Semi-Automated Detection of Cerebral Microbleeds on 3.0 T MR Images. PLoS ONE, 2013, 8, e66610.	1.1	32
30	The cumulative effect of small vessel disease lesions is reflected in structural brain networks of memory clinic patients. NeuroImage: Clinical, 2018, 19, 963-969.	1.4	30
31	Vascular Cognitive Impairment in a Memory Clinic Population: Rationale and Design of the â€œUtrecht-Amsterdam Clinical Features and Prognosis in Vascular Cognitive Impairmentâ€•(TRACE-VCI) Study. JMIR Research Protocols, 2017, 6, e60.	0.5	29
32	Visual Cerebral Microbleed Detection on 7T MR Imaging: Reliability and Effects of Image Processing. American Journal of Neuroradiology, 2013, 34, E61-E64.	1.2	28
33	Mapping the multicausality of Alzheimerâ€™s disease through group model building. GeroScience, 2021, 43, 829-843.	2.1	26
34	Clinical relevance of acute cerebral microinfarcts in vascular cognitive impairment. Neurology, 2019, 92, e1558-e1566.	1.5	24
35	Association of White Matter Hyperintensity Markers on MRI and Long-term Risk of Mortality and Ischemic Stroke. Neurology, 2021, 96, e2172-e2183.	1.5	23
36	Are serum autoantibodies associated with brain changes in systemic lupus erythematosus? MRI data from the Leiden NP-SLE cohort. Lupus, 2019, 28, 94-103.	0.8	22

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37	Hypertensive Exposure Markers by MRI in Relation to Cerebral Small Vessel Disease and Cognitive Impairment. JACC: Cardiovascular Imaging, 2021, 14, 176-185.	2.3	18
38	Quantification of Cerebral Volumes on MRI 6 Months After Aneurysmal Subarachnoid Hemorrhage. Stroke, 2012, 43, 2782-2784.	1.0	17
39	Parietal Involvement in Constructional Apraxia as Measured Using the Pentagon Copying Task. Dementia and Geriatric Cognitive Disorders, 2018, 46, 50-59.	0.7	16
40	The Clinical Phenotype of Vascular Cognitive Impairment in Patients with Type 2 Diabetes Mellitus. Journal of Alzheimer's Disease, 2019, 68, 311-322.	1.2	16
41	A Role for New Brain Magnetic Resonance Imaging Modalities in Daily Clinical Practice: Protocol of the Prediction of Cognitive Recovery After Stroke (PROCRAS) Study. JMIR Research Protocols, 2018, 7, e127.	0.5	16
42	Myelin water imaging from multi-echo<mml:math xmlns:mml="http://www.w3.org/1998/Math/MathML" altimg="si1.svg"><mml:mrow><mml:msub><mml:mi>T</mml:mi><mml:mn>2</mml:mn></mml:msub></mml:mrow></mml:math>MR relaxometry data using a joint sparsity constraint. NeuroImage, 2020, 219, 117014.	2.1	13
43	Different phenotypes of neuropsychiatric systemic lupus erythematosus are related to a distinct pattern of structural changes on brain MRI. European Radiology, 2021, 31, 8208-8217.	2.3	13
44	CSF enhancement on post-contrast fluid-attenuated inversion recovery images; a systematic review. NeuroImage: Clinical, 2020, 28, 102456.	1.4	12
45	Cerebral cortical microinfarcts: A novel MRI marker of vascular brain injury in patients with heart failure. International Journal of Cardiology, 2020, 310, 96-102.	0.8	11
46	Reduced parenchymal cerebral blood flow is associated with greater progression of brain atrophy: The SMART-MR study. Journal of Cerebral Blood Flow and Metabolism, 2021, 41, 1229-1239.	2.4	11
47	Circulating angiopoietin-2 and angiogenic microRNAs associate with cerebral small vessel disease and cognitive decline in older patients reaching end-stage renal disease. Nephrology Dialysis Transplantation, 2022, 37, 498-506.	0.4	11
48	Preoperative brain MRI features and occurrence of postoperative delirium. Journal of Psychosomatic Research, 2021, 140, 110301.	1.2	10
49	Association of cardiovascular structure and function with cerebrovascular changes and cognitive function in older patients with end-stage renal disease. Aging, 2020, 12, 1496-1511.	1.4	10
50	Impact of white matter hyperintensity location on depressive symptoms in memory-clinic patients: a lesionâ€“symptom mapping study. Journal of Psychiatry and Neuroscience, 2019, 44, E1-E10.	1.4	9
51	Quantification of structural cerebral abnormalities on MRI 18Âmonths after aneurysmal subarachnoid hemorrhage in patients who received endovascular treatment. Neuroradiology, 2015, 57, 269-274.	1.1	8
52	Fast CSF MRI for brain segmentation; Cross-validation by comparison with 3D T1-based brain segmentation methods. PLoS ONE, 2018, 13, e0196119.	1.1	8
53	Cortical Microinfarcts and White Matter Connectivity in Memory Clinic Patients. Frontiers in Neurology, 2019, 10, 571.	1.1	8
54	Cerebral microbleeds are not associated with postoperative delirium and postoperative cognitive dysfunction in older individuals. PLoS ONE, 2019, 14, e0218411.	1.1	8

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55	Preoperative MRI brain phenotypes are related to postoperative delirium in older individuals. Neurobiology of Aging, 2021, 101, 247-255.	1.5	8
56	Arterial CO2 pressure changes during hypercapnia are associated with changes in brain parenchymal volume. European Radiology Experimental, 2020, 4, 17.	1.7	8
57	Small vessel disease lesion type and brain atrophy: The role of coâ€occurring amyloid. Alzheimer's and Dementia: Diagnosis, Assessment and Disease Monitoring, 2020, 12, e12060.	1.2	7
58	Cortical cerebral microinfarcts on 7T MRI: Risk factors, neuroimaging correlates and cognitive functioning â€“ The Medea-7T study. Journal of Cerebral Blood Flow and Metabolism, 2021, 41, 3127-3138.	2.4	7
59	A cluster of blood-based protein biomarkers reflecting coagulation relates to the burden of cerebral small vessel disease. Journal of Cerebral Blood Flow and Metabolism, 2022, 42, 1282-1293.	2.4	7
60	Detection and characterization of small infarcts in the caudate nucleus on 7 Tesla MRI: The SMART-MR study. Journal of Cerebral Blood Flow and Metabolism, 2018, 38, 1609-1617.	2.4	6
61	Nonfocal Transient Neurological Attacks Are Associated With Cerebral Small Vessel Disease. Stroke, 2019, 50, 3540-3544.	1.0	6
62	MRI phenotypes of the brain are related to future stroke and mortality in patients with manifest arterial disease: The SMART-MR study. Journal of Cerebral Blood Flow and Metabolism, 2020, 40, 354-364.	2.4	6
63	Patterns and characteristics of cognitive functioning in older patients approaching end stage kidney disease, the COPE-study. BMC Nephrology, 2020, 21, 126.	0.8	6
64	Prediction of poor clinical outcome in vascular cognitive impairment: TRACEâ€VCI study. Alzheimer's and Dementia: Diagnosis, Assessment and Disease Monitoring, 2020, 12, e12077.	1.2	5
65	Cerebral cortical microinfarcts in patients with internal carotid artery occlusion. Journal of Cerebral Blood Flow and Metabolism, 2021, 41, 2690-2698.	2.4	5
66	The Added Value of Diffusion Tensor Imaging for Automated White Matter Hyperintensity Segmentation. Mathematics and Visualization, 2014, , 45-53.	0.4	5
67	Detecting cerebral microbleeds in 7.0 T MR images using the radial symmetry transform. , 2011, , .		4
68	Physical Performance in Memory Clinic Patients: The Potential Role of the White Matter Network. Journal of the American Geriatrics Society, 2019, 67, 1880-1887.	1.3	4
69	How Do Different Forms of Vascular Brain Injury Relate to Cognition in a Memory Clinic Population: The TRACE-VCI Study. Journal of Alzheimer's Disease, 2019, 68, 1273-1286.	1.2	4
70	fMRI network correlates of predisposing risk factors for delirium: A cross-sectional study. NeuroImage: Clinical, 2020, 27, 102347.	1.4	4
71	Intracranial Atherosclerotic Burden and Cerebral Parenchymal Changes at 7T MRI in Patients With Transient Ischemic Attack or Ischemic Stroke. Frontiers in Neurology, 2021, 12, 637556.	1.1	4
72	White matter hyperintensities associate with cognitive slowing in patients with systemic lupus erythematosus and neuropsychiatric symptoms. RMD Open, 2021, 7, e001650.	1.8	4

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73	Suspected Transverse Myelitis with Normal MRI and CSF Findings in a Patient with Lupus: What to Do? A Case Series and Systematic Review. Neuropsychiatric Disease and Treatment, 2020, Volume 16, 3173-3186.	1.0	4
74	Cerebral Perfusion and the Burden of Small Vessel Disease in Patients Referred to a Memory Clinic. Cerebrovascular Diseases, 2020, 49, 481-486.	0.8	3
75	Longitudinal changes in cerebral white matter microstructure in newly diagnosed systemic lupus erythematosus patients. Rheumatology, 2021, 60, 2678-2687.	0.9	3
76	Dependency of R 2 and R 2 * relaxation on Gdâ€DTPA concentration in arterial blood: Influence of hematocrit and magnetic field strength. NMR in Biomedicine, 2021, , e4653.	1.6	3
77	MRI-Based Classification of Neuropsychiatric Systemic Lupus Erythematosus Patients With Self-Supervised Contrastive Learning. Frontiers in Neuroscience, 2022, 16, 695888.	1.4	3
78	Sex and Cardiovascular Function in Relation to Vascular Brain Injury in Patients with Cognitive Complaints. Journal of Alzheimer's Disease, 2021, 84, 261-271.	1.2	2
79	Prevalence, risk factors, and long-term outcomes of cerebral ischemia in hospitalized COVID-19 patients â€“ study rationale and protocol of the CORONIS study: A multicentre prospective cohort study. European Stroke Journal, 0, , 239698732210925.	2.7	2
80	Supervised novelty detection in brain tissue classification with an application to white matter hyperintensities. , 2016, , .		1
81	The association between intraoperative hyperglycemia and cerebrovascular markers. International Journal of Medical Sciences, 2021, 18, 1332-1338.	1.1	1
82	Determining preoperative brain MRI features and occurrence of postoperative delirium. Journal of Psychosomatic Research, 2021, 148, 110568.	1.2	1
83	Neuroimaging Biomarkers for Huntingtonâ€™s Disease. , 0, , .		1
84	Microinfarcts in the Deep Gray Matter on 7T MRI: Risk Factors, MRI Correlates, and Relation to Cognitive Functioningâ€”The SMART-MR Study. American Journal of Neuroradiology, 2022, 43, 829-836.	1.2	1
85	O4â€02â€01: High prevalence of cerebral microbleeds at 7T MRI in patients with early Alzheimer's disease. Alzheimer's and Dementia, 2012, 8, P614.	0.4	0
86	Observer performance in semi-automated microbleed detection. , 2013, , .		0
87	[P2â€“423]: SIDEDNESS OF CAROTID ARTERY STENOSIS AND BRAIN VOLUME LOSS IN THE LEFT AND RIGHT HEMISPHERE: THE SMARTâ€MR STUDY. Alzheimer's and Dementia, 2017, 13, P797.	0.4	0
88	[P1â€“424]: DETECTION OF SMALL INFARCTS IN THE CAUDATE NUCLEUS ON 7 TESLA MRI: THE SMARTâ€MR STUDY. Alzheimer's and Dementia, 2017, 13, P441.	0.4	0
89	P39â€...Longitudinal changes of cerebral white matter tissue microstructure in early-onset systemic lupus erythematosus. , 2020, , .		0
90	Gray matter atrophy, but not vascular brain injury is related to cognitive impairment in patients with heart failure. Alzheimer's and Dementia, 2020, 16, e042892.	0.4	0

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91	The association between white matter hyperintensity shape and cognitive functioning: The SMARTâ€MR study. Alzheimer's and Dementia, 2020, 16, e044784.	0.4	0
92	Neuropsychiatric systemic lupus erythematosus is associated with a distinct type and shape of cerebral white matter hyperintensities. Rheumatology, 2021, , .	0.9	0