Mark van Buchem

List of Publications by Year
in descending order

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		3731	5829
465	33,710	89	161
papers	citations	h-index	g-index

475	475	475	33118
all docs	docs citations	times ranked	citing authors

#	Article	IF	Citations
1	Cerebrovascular Risk-Factors of Prevalent and Incident Brain Infarcts in the General Population: The AGES-Reykjavik Study. Stroke, 2022, 53, 1199-1206.	2.0	8
2	Spatial and temporal intracerebral hemorrhage patterns in Dutch-type hereditary cerebral amyloid angiopathy. International Journal of Stroke, 2022, 17, 793-798.	5.9	2
3	Longitudinal Progression of Magnetic Resonance Imaging Markers and Cognition in Dutch-Type Hereditary Cerebral Amyloid Angiopathy. Stroke, 2022, 53, 2006-2015.	2.0	6
4	Hypertensive Exposure Markers by MRI in Relation to Cerebral Small Vessel Disease and Cognitive Impairment. JACC: Cardiovascular Imaging, 2021, 14, 176-185.	5.3	18
5	Presymptomatic Dutch-Type Hereditary Cerebral Amyloid Angiopathy-Related Blood Metabolite Alterations. Journal of Alzheimer's Disease, 2021, 79, 895-903.	2.6	5
6	Quantitative susceptibility mapping in the thalamus and basal ganglia of systemic lupus erythematosus patients with neuropsychiatric complaints. NeuroImage: Clinical, 2021, 30, 102637.	2.7	2
7	Striped occipital cortex and intragyral hemorrhage: Novel magnetic resonance imaging markers for cerebral amyloid angiopathy. International Journal of Stroke, 2021, 16, 1031-1038.	5.9	5
8	Plasma Amyloid-Beta Levels in a Pre-Symptomatic Dutch-Type Hereditary Cerebral Amyloid Angiopathy Pedigree: A Cross-Sectional and Longitudinal Investigation. International Journal of Molecular Sciences, 2021, 22, 2931.	4.1	10
9	Abstract 36: The Boston Criteria V2.0 for Cerebral Amyloid Angiopathy: Updated Criteria and Multicenter MRI-Neuropathology Validation. Stroke, 2021, 52, .	2.0	9
10	Wave Reflection at the Origin of a First-Generation Branch Artery and Target Organ Protection. Hypertension, 2021, 77, 1169-1177.	2.7	15
11	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.	4.5	13
12	POS0714â€...WHITE MATTER HYPERINTENSITIES LEAD TO REDUCED PSYCHOMOTOR SPEED IN PATIENTS WITH SYSTEMIC LUPUS ERYTHEMATOSUS AND NEUROPSYCHIATRIC SYMPTOMS. Annals of the Rheumatic Diseases, 2021, 80, 606.2-607.	0.9	0
13	Occipital Cortical Calcifications in Cerebral Amyloid Angiopathy. Stroke, 2021, 52, 1851-1855.	2.0	2
14	Neuroimaging Findings in Retinal Vasculopathy with Cerebral Leukoencephalopathy and Systemic Manifestations. American Journal of Neuroradiology, 2021, 42, 1604-1609.	2.4	8
15	Contributions of Cerebral Blood Flow to Associations Between Blood Pressure Levels and Cognition: The Age, Gene/Environment Susceptibility-Reykjavik Study. Hypertension, 2021, 77, 2075-2083.	2.7	11
16	White matter hyperintensities associate with cognitive slowing in patients with systemic lupus erythematosus and neuropsychiatric symptoms. RMD Open, 2021, 7, e001650.	3.8	4
17	Off-label use of aducanumab for cerebral amyloid angiopathy. Lancet Neurology, The, 2021, 20, 596-597.	10.2	17
18	Cerebellar hemorrhages in patients with Dutch-type hereditary cerebral amyloid angiopathy. International Journal of Stroke, 2021, , 174749302110436.	5.9	0

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19	Cerebral amyloid angiopathy is associated with decreased functional brain connectivity. NeuroImage: Clinical, 2021, 29, 102546.	2.7	4
20	Hydropic Ear Disease: Correlation Between Audiovestibular Symptoms, Endolymphatic Hydrops and Blood-Labyrinth Barrier Impairment. Frontiers in Surgery, 2021, 8, 758947.	1.4	4
21	Ultra-long-TE arterial spin labeling reveals rapid and brain-wide blood-to-CSF water transport in humans. NeuroImage, 2021, 245, 118755.	4.2	26
22	MRI evaluation of the relationship between carotid artery endothelial shear stress and brain white matter lesions in migraine. Journal of Cerebral Blood Flow and Metabolism, 2020, 40, 1040-1047.	4.3	14
23	State of the Art Imaging in MeniÃ¨reâ€™s Disease. Tips and Tricks for Protocol and Interpretation. Current Radiology Reports, 2020, 8, 1.	1.4	5
24	Classification using fractional anisotropy predicts conversion in genetic frontotemporal dementia, a proof of concept. Brain Communications, 2020, 2, fcaa079.	3.3	3
25	Cerebral small vessel disease genomics and its implications across the lifespan. Nature Communications, 2020, 11, 6285.	12.8	89
26	Sensitivity of the Edinburgh Criteria for Lobar Intracerebral Hemorrhage in Hereditary Cerebral Amyloid Angiopathy. Stroke, 2020, 51, 3608-3612.	2.0	15
27	Association of High-Density Lipoprotein Cholesterol With Cognitive Function: Findings From the PROspective Study of Pravastatin in the Elderly at Risk. Journal of Aging and Health, 2020, 32, 1267-1274.	1.7	4
28	Pre-trained MRI-based Alzheimer's disease classification models to classify memory clinic patients. NeuroImage: Clinical, 2020, 27, 102303.	2.7	4
29	Patterns and characteristics of cognitive functioning in older patients approaching end stage kidney disease, the COPE-study. BMC Nephrology, 2020, 21, 126.	1.8	6
30	Cerebral cortical microinfarcts: A novel MRI marker of vascular brain injury in patients with heart failure. International Journal of Cardiology, 2020, 310, 96-102.	1.7	11
31	Neuroimaging in Dementia. IDKD Springer Series, 2020, , 131-142.	0.8	6
32	Hemoglobin and anemia in relation to dementia risk and accompanying changes on brain MRI. Neurology, 2019, 93, e917-e926.	1.1	66
33	Amyloid imaging of dutchâ€type hereditary cerebral amyloid angiopathy carriers. Annals of Neurology, 2019, 86, 616-625.	5.3	22
34	Cognitive Function in Dementia-Free Subjects and Survival in Old Age: The PROSPER Study. American Journal of Medicine, 2019, 132, 1466-1474.e4.	1.5	5
35	Advancing diagnostic criteria for sporadic cerebral amyloid angiopathy: Study protocol for a multicenter MRI-pathology validation of Boston criteria v2.0. International Journal of Stroke, 2019, 14, 956-971.	5.9	39
36	Distribution of cerebral microbleeds in the East and West. Neurology, 2019, 92, e1086-e1097.	1.1	53

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37	Incidence and Clinical Significance ofÂCerebral Embolism During AtrialÂFibrillation Ablation With Duty-Cycled Phased-Radiofrequency Versus Cooled-Radiofrequency. JACC: Clinical Electrophysiology, 2019, 5, 318-326.	3.2	14
38	Quantifying effects of radiotherapy-induced microvascular injury; review of established and emerging brain MRI techniques. Radiotherapy and Oncology, 2019, 140, 41-53.	0.6	29
39	Nonfocal transient neurological attacks are related to cognitive impairment in patients with heart failure. Journal of Neurology, 2019, 266, 2035-2042.	3.6	1
40	Nonfocal transient neurological attacks in patients with carotid artery occlusion. European Stroke Journal, 2019, 4, 50-54.	5.5	2
41	Multiple Approaches to Diffusion Magnetic Resonance Imaging in Hereditary Cerebral Amyloid Angiopathy Mutation Carriers. Journal of the American Heart Association, 2019, 8, e011288.	3.7	13
42	Microstructural white matter changes preceding white matter hyperintensities in migraine. Neurology, 2019, 93, e688-e694.	1.1	15
43	Multimodal MRI of grey matter, white matter, and functional connectivity in cognitively healthy mutation carriers at risk for frontotemporal dementia and Alzheimer's disease. BMC Neurology, 2019, 19, 343.	1.8	10
44	Vascular dysfunctionâ€"The disregarded partner of Alzheimer's disease. Alzheimer's and Dementia, 2019, 15, 158-167.	0.8	454
45	Are serum autoantibodies associated with brain changes in systemic lupus erythematosus? MRI data from the Leiden NP-SLE cohort. Lupus, 2019, 28, 94-103.	1.6	22
46	Clinical significance of cerebral microbleeds on MRI: A comprehensive meta-analysis of risk of intracerebral hemorrhage, ischemic stroke, mortality, and dementia in cohort studies (v1). International Journal of Stroke, 2018, 13, 454-468.	5.9	82
47	Innovative Magnetic Resonance Imaging Markers of Hereditary Cerebral Amyloid Angiopathy at 7 Tesla. Stroke, 2018, 49, 1518-1520.	2.0	12
48	Migraine and vascular disease biomarkers: A population-based case-control study. Cephalalgia, 2018, 38, 511-518.	3.9	36
49	TGFÎ² pathway deregulation and abnormal phosphoâ€SMAD2/3 staining in hereditary cerebral hemorrhage with amyloidosisâ€Dutch type. Brain Pathology, 2018, 28, 495-506.	4.1	15
50	The Missing Link in the Pathophysiology of Vascular Cognitive Impairment: Design of the Heart-Brain Study. Cerebrovascular Diseases Extra, 2018, 7, 140-152.	1.5	44
51	Postmortem MRI and histology demonstrate differential iron accumulation and cortical myelin organization in early- and late-onset Alzheimer's disease. Neurobiology of Aging, 2018, 62, 231-242.	3.1	93
52	Differential associations between retinal signs and CMBs by location. Neurology, 2018, 90, e142-e148.	1.1	11
53	O2â€08â€01: COGNITIVE FUNCTION IN DEMENTIAâ€FREE SUBJECTS AND SURVIVAL IN OLD AGE. Alzheimer's and Dementia, 2018, 14, P637.	0.8	0
54	Laboratory and Neuroimaging Biomarkers in Neuropsychiatric Systemic Lupus Erythematosus: Where Do We Stand, Where To Go?. Frontiers in Medicine, 2018, 5, 340.	2.6	32

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55	Cerebral Amyloid Angiopathy With Vascular Iron Accumulation and Calcification. Stroke, 2018, 49, 2081-2087.	2.0	15
56	The AGES-Reykjavik Study suggests that change in kidney measures is associated with subclinical brain pathology in older community-dwelling persons. Kidney International, 2018, 94, 608-615.	5.2	10
57	Brain Transcriptomic Analysis of Hereditary Cerebral Hemorrhage With Amyloidosis-Dutch Type. Frontiers in Aging Neuroscience, 2018, 10, 102.	3.4	13
58	Exome Chip Analysis Identifies Low-Frequency and Rare Variants in MRPL38 for White Matter Hyperintensities on Brain Magnetic Resonance Imaging. Stroke, 2018, 49, 1812-1819.	2.0	17
59	Perivascular Spaces Volume in Sporadic and Hereditary (Dutch-Type) Cerebral Amyloid Angiopathy. Stroke, 2018, 49, 1913-1919.	2.0	31
60	Cerebellar function and ischemic brain lesions in migraine patients from the general population. Cephalalgia, 2017, 37, 177-190.	3.9	22
61	Predicting progression to dementia in persons with mild cognitive impairment using cerebrospinal fluid markers. Alzheimer's and Dementia, 2017, 13, 903-912.	0.8	32
62	Outcomes of neuropsychiatric events in systemic lupus erythematosus based on clinical phenotypes; prospective data from the Leiden NP SLE cohort. Lupus, 2017, 26, 543-551.	1.6	21
63	Subtle bloodâ€brain barrier leakage rate and spatial extent: Considerations for dynamic contrastâ€enhanced <scp>MRI</scp>. Medical Physics, 2017, 44, 4112-4125.	3.0	75
64	Percutaneous laser disc decompression versus conventional microdiscectomy for patients with sciatica: Two-year results of a randomised controlled trial. Interventional Neuroradiology, 2017, 23, 313-324.	1.1	30
65	The cerebrovascular response to lower-body negative pressure vs. head-up tilt. Journal of Applied Physiology, 2017, 122, 877-883.	2.5	17
66	Space and location of cerebral microbleeds, cognitive decline, and dementia in the community. Neurology, 2017, 88, 2089-2097.	1.1	117
67	The Cognitive decline in Older Patients with End stage renal disease (COPE) study â€“ rationale and design. Current Medical Research and Opinion, 2017, 33, 2057-2064.	1.9	17
68	Value of multidisciplinary reassessment in attribution of neuropsychiatric events to systemic lupus erythematosus: prospective data from the Leiden NPSLE cohort. Rheumatology, 2017, 56, 1676-1683.	1.9	50
69	Iron in deep brain nuclei in migraine? CAMERA follow-up MRI findings. Cephalalgia, 2017, 37, 795-800.	3.9	15
70	Cerebrovascular function in presymptomatic and symptomatic individuals with hereditary cerebral amyloid angiopathy: a case-control study. Lancet Neurology, The, 2017, 16, 115-122.	10.2	68
71	Volumetric brain changes in migraineurs from the general population. Neurology, 2017, 89, 2066-2074.	1.1	44
72	The increasing impact of cerebral amyloid angiopathy: essential new insights for clinical practice. Journal of Neurology, Neurosurgery and Psychiatry, 2017, 88, 982-994.	1.9	162

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73	Large Perivascular Spaces Visible on Magnetic Resonance Imaging, Cerebral Small Vessel Disease Progression, and Risk of Dementia. JAMA Neurology, 2017, 74, 1105.	9.0	136
74	Incidence of Brain Infarcts, Cognitive Change, and Risk of Dementia in the General Population. Stroke, 2017, 48, 2353-2360.	2.0	54
75	Aging modifies the effect of cardiac output on middle cerebral artery blood flow velocity. Physiological Reports, 2017, 5, e13361.	1.7	22
76	Percutaneous laser disc decompression versus microdiscectomy for sciatica: Cost utility analysis alongside a randomized controlled trial. Interventional Neuroradiology, 2017, 23, 538-545.	1.1	12
77	Decreased cerebral perfusion in Duchenne muscular dystrophy patients. Neuromuscular Disorders, 2017, 27, 29-37.	0.6	28
78	Brain histopathology in patients with systemic lupus erythematosus: identification of lesions associated with clinical neuropsychiatric lupus syndromes and the role of complement. Rheumatology, 2017, 56, 77-86.	1.9	90
79	Middle cerebral artery diameter changes during rhythmic handgrip exercise in humans. Journal of Cerebral Blood Flow and Metabolism, 2017, 37, 2921-2927.	4.3	84
80	White matter microstructure of patients with neurofibromatosis type 1 and its relation to inhibitory control. Brain Imaging and Behavior, 2017, 11, 1731-1740.	2.1	28
81	The anterior hypothalamus in cluster headache. Cephalalgia, 2017, 37, 1039-1050.	3.9	50
82	Allometric scaling of brain regions to intraâ€cranial volume: An epidemiological MRI study. Human Brain Mapping, 2017, 38, 151-164.	3.6	32
83	InÂvivo assessment of iron content of the cerebral cortex in healthy aging using 7-Tesla T2*-weighted phase imaging. Neurobiology of Aging, 2017, 53, 20-26.	3.1	34
84	[O1â€“08â€“04]: IRON AND MYELIN AS SOURCES OF MRI CONTRAST IN PATIENTS WITH ALZHEIMER's DISEASE. Alzheimer's and Dementia, 2017, 13, P208.	0.8	0
85	Cortical Iron Reflects Severity ofÂAlzheimerâ€™s Disease. Journal of Alzheimer's Disease, 2017, 60, 1533-1545.	2.6	119
86	Lower Performance in Orientation to Time and Place Associates with Greater Risk of Cardiovascular Events and Mortality in the Oldest Old: Leiden 85-Plus Study. Frontiers in Aging Neuroscience, 2017, 9, 307.	3.4	2
87	Cerebrovascular and amyloid pathology in predementia stages: the relationship with neurodegeneration and cognitive decline. Alzheimer's Research and Therapy, 2017, 9, 101.	6.2	43
88	The AGES-Reykjavik study atlases: Non-linear multi-spectral template and atlases for studies of the ageing brain. Medical Image Analysis, 2017, 39, 133-144.	11.6	6
89	Cerebral magnetic resonance imaging in quiescent Crohnâ€™s disease patients with fatigue. World Journal of Gastroenterology, 2017, 23, 1018.	3.3	12
90	Cardiovascular Response Patterns to Sympathetic Stimulation by Central Hypovolemia. Frontiers in Physiology, 2016, 7, 235.	2.8	6

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91	Detection superiority of 7ÂT MRI protocol in patients with epilepsy and suspected focal cortical dysplasia. Acta Neurologica Belgica, 2016, 116, 259-269.	1.1	27
92	Changes in White Matter Microstructure Suggest an Inflammatory Origin of Neuropsychiatric Systemic Lupus Erythematosus. Arthritis and Rheumatology, 2016, 68, 1945-1954.	5.6	28
93	White Matter Hyperintensities Potentiate Hippocampal Volume Reduction in Non-Demented Older Individuals with Abnormal Amyloid-Î². Journal of Alzheimer's Disease, 2016, 55, 333-342.	2.6	16
94	Bis-pyridylethenyl benzene as novel backbone for amyloid-Î² binding compounds. Bioorganic and Medicinal Chemistry, 2016, 24, 6139-6148.	3.0	5
95	Reproducibility and variability of quantitative magnetic resonance imaging markers in cerebral small vessel disease. Journal of Cerebral Blood Flow and Metabolism, 2016, 36, 1319-1337.	4.3	80
96	Cortical atrophy in patients with cerebral amyloid angiopathy: a case-control study. Lancet Neurology, The, 2016, 15, 811-819.	10.2	96
97	Recurrent hemorrhage risk and mortality in hereditary and sporadic cerebral amyloid angiopathy. Neurology, 2016, 87, 1482-1487.	1.1	45
98	Retinal vasculopathy with cerebral leukoencephalopathy and systemic manifestations. Brain, 2016, 139, 2909-2922.	7.6	114
99	Cardiac and Carotid Markers Link With Accelerated Brain Atrophy. Arteriosclerosis, Thrombosis, and Vascular Biology, 2016, 36, 2246-2251.	2.4	27
100	Cerebral blood flow in small vessel disease: A systematic review and meta-analysis. Journal of Cerebral Blood Flow and Metabolism, 2016, 36, 1653-1667.	4.3	223
101	Diffusion-weighted-preparation (D-prep) MRI as a future extension of SPECT/CT based surgical planning for sentinel node procedures in the head and neck area?. Oral Oncology, 2016, 60, 48-54.	1.5	11
102	Early Magnetic Resonance Imaging and Cognitive Markers of Hereditary Cerebral Amyloid Angiopathy. Stroke, 2016, 47, 3041-3044.	2.0	32
103	Higher Visit-to-Visit Low-Density Lipoprotein Cholesterol Variability Is Associated With Lower Cognitive Performance, Lower Cerebral Blood Flow, and Greater White Matter Hyperintensity Load in Older Subjects. Circulation, 2016, 134, 212-221.	1.6	63
104	Is the brain of complex regional pain syndrome patients truly different?. European Journal of Pain, 2016, 20, 1622-1633.	2.8	29
105	Neurovascular unit impairment in early Alzheimer's disease measured with magnetic resonance imaging. Neurobiology of Aging, 2016, 45, 190-196.	3.1	146
106	Late-life brain volume: a life-course approach. The AGES-Reykjavik study. Neurobiology of Aging, 2016, 41, 86-92.	3.1	9
107	Blood-Brain Barrier Leakage in Patients with Early Alzheimer Disease. Radiology, 2016, 281, 527-535.	7.3	411
108	Cortical phase changes measured using 7â€¶ MRI in subjects with subjective cognitive impairment, and their association with cognitive function. NMR in Biomedicine, 2016, 29, 1289-1294.	2.8	12

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109	Brain Volume as an Integrated Marker for the Risk of Death in a Community-Based Sample: Age Gene/Environment Susceptibilityâ€"Reykjavik Study. Journals of Gerontology - Series A Biological Sciences and Medical Sciences, 2016, 71, 131-137.	3.6	13
110	CHANGES IN REGIONAL BRAIN ACTIVATION RELATED TO DEPRESSIVE STATE: A 2-YEAR LONGITUDINAL FUNCTIONAL MRI STUDY. Depression and Anxiety, 2016, 33, 35-44.	4.1	24
111	Glial and axonal changes in systemic lupus erythematosus measured with diffusion of intracellular metabolites. Brain, 2016, 139, 1447-1457.	7.6	54
112	Systemic right-to-left shunts, ischemic brain lesions, and persistent migraine activity. Neurology, 2016, 86, 1668-1675.	1.1	16
113	Cerebrovascular Damage Mediates Relations Between Aortic Stiffness and Memory. Hypertension, 2016, 67, 176-182.	2.7	107
114	Associations between arterial stiffness, depressive symptoms and cerebral small vessel disease: cross-sectional findings from the AGES-Reykjavik Study. Journal of Psychiatry and Neuroscience, 2016, 41, 162-168.	2.4	48
115	Brain metabolite concentrations in Duchenne muscular dystrophy are unaltered compared to controls. Neuromuscular Disorders, 2015, 25, S250-S251.	0.6	0
116	Infratentorial Microbleeds. Stroke, 2015, 46, 1987-1989.	2.0	13
117	Visceral adipose tissue is associated with microstructural brain tissue damage. Obesity, 2015, 23, 1092-1096.	3.0	26
118	Cerebral volumetric abnormalities in Neurofibromatosis type 1: associations with parent ratings of social and attention problems, executive dysfunction, and autistic mannerisms. Journal of Neurodevelopmental Disorders, 2015, 7, 32.	3.1	41
119	AB0705â€...Psychopathologic Involvement in Systemic Sclerosis: A Pilot Study. Annals of the Rheumatic Diseases, 2015, 74, 1133.3-1134.	0.9	0
120	Association of the fat mass and obesityâ€assocIated gene risk allele, rs9939609A, and rewardâ€related brain structures. Obesity, 2015, 23, 2118-2122.	3.0	19
121	ICA-based artifact removal diminishes scan site differences in multi-center resting-state fMRI. Frontiers in Neuroscience, 2015, 9, 395.	2.8	61
122	Functional Connectivity Changes and Executive and Social Problems in Neurofibromatosis Type I. Brain Connectivity, 2015, 5, 312-320.	1.7	41
123	Cerebral Small Vessel Disease and Association With Higher Incidence of Depressive Symptoms in a General Elderly Population: The AGES-Reykjavik Study. American Journal of Psychiatry, 2015, 172, 570-578.	7.2	106
124	Risk Factors Associated With Incident Cerebral Microbleeds According to Location in Older People. JAMA Neurology, 2015, 72, 682.	9.0	103
125	Carotid Arterial Stiffness and Risk of Incident Cerebral Microbleeds in Older People. Arteriosclerosis, Thrombosis, and Vascular Biology, 2015, 35, 1889-1895.	2.4	45
126	An automated tool for cortical feature analysis: Application to differences on 7 <scp>T</scp>esla <scp>T</scp>₂[*]â€weighted images between young and older healthy subjects. Magnetic Resonance in Medicine, 2015, 74, 240-248.	3.0	6

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127	P2-076: High-sensitivity serum troponin T and future risk of dementia: The AGES-Reykjavik study. , 2015, 11, P512-P512.		1
128	IC-P-089: Vascular and amyloid pathologies in memory clinic patients: Synergetic or independent?. , 2015, 11, P62-P62.		0
129	P4-100: Vascular and amyloid pathologies in memory clinic patients: Synergetic or independent?. , 2015, 11, P814-P814.		0
130	O2-01-02: Longitudinal, structural and functional connectivity in presymptomatic familial frontotemporal dementia. , 2015, 11, P171-P172.		0
131	MRI Susceptibility Changes Suggestive of Iron Deposition in the Thalamus after Ischemic Stroke. Cerebrovascular Diseases, 2015, 40, 67-72.	1.7	22
132	Ketamine interactions with biomarkers of stress: A randomized placebo-controlled repeated measures resting-state fMRI and PCASL pilot study in healthy men. NeuroImage, 2015, 108, 396-409.	4.2	46
133	DISC1 gene and affective psychopathology: A combined structural and functional MRI study. Journal of Psychiatric Research, 2015, 61, 150-157.	3.1	9
134	Percutaneous laser disc decompression versus conventional microdiscectomy in sciatica: a randomized controlled trial. Spine Journal, 2015, 15, 857-865.	1.3	61
135	Enhanced glutathione PEGylated liposomal brain delivery of an anti-amyloid single domain antibody fragment in a mouse model for Alzheimer's disease. Journal of Controlled Release, 2015, 203, 40-50.	9.9	114
136	Resting-State Functional Connectivity in Patients with Long-Term Remission of Cushingâ€™s Disease. Neuropsychopharmacology, 2015, 40, 1888-1898.	5.4	44
137	Associations between insulin action and integrity of brain microstructure differ with familial longevity and with age. Frontiers in Aging Neuroscience, 2015, 7, 92.	3.4	3
138	Accelerated progression of white matter hyperintensities and subsequent risk of mortality: a 12-year follow-up study. Neurobiology of Aging, 2015, 36, 2130-2135.	3.1	26
139	Evidence for smaller right amygdala volumes in posttraumatic stress disorder following childhood trauma. Psychiatry Research - Neuroimaging, 2015, 233, 436-442.	1.8	69
140	A multimodal MRI approach to identify and characterize microstructural brain changes in neuropsychiatric systemic lupus erythematosus. NeuroImage: Clinical, 2015, 8, 337-344.	2.7	49
141	Multiethnic Genome-Wide Association Study of Cerebral White Matter Hyperintensities on MRI. Circulation: Cardiovascular Genetics, 2015, 8, 398-409.	5.1	162
142	Fusion of hIgG1-Fc to 111In-anti-amyloid single domain antibody fragment VHH-pa2H prolongs blood residential time in APP/PS1 mice but does not increase brain uptake. Nuclear Medicine and Biology, 2015, 42, 695-702.	0.6	47
143	Obesity is marked by distinct functional connectivity in brain networks involved in food reward and salience. Behavioural Brain Research, 2015, 287, 127-134.	2.2	89
144	Cardiac Hemodynamics are Linked With Structural and Functional Features of Brain Aging: The Age, Gene/Environment Susceptibility (AGES)â€Reykjavik Study. Journal of the American Heart Association, 2015, 4, e001294.	3.7	50

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145	Brain Activation During Emotional Memory Processing Associated with Subsequent Course of Depression. Neuropsychopharmacology, 2015, 40, 2454-2463.	5.4	17
146	N-terminal proâ€“brain natriuretic peptide and abnormal brain aging. Neurology, 2015, 85, 813-820.	1.1	23
147	Parameters of glucose metabolism and the aging brain: a magnetization transfer imaging study of brain macro- and micro-structure in older adults without diabetes. Age, 2015, 37, 9802.	3.0	8
148	Association between changes in brain microstructure and cognition in older subjects at increased risk for vascular disease. BMC Neurology, 2015, 15, 133.	1.8	6
149	White Matter Lesion Progression. Stroke, 2015, 46, 3048-3057.	2.0	27
150	Effect of Discontinuation of Antihypertensive Treatment in Elderly People on Cognitive Functioningâ€”the DANTE Study Leiden. JAMA Internal Medicine, 2015, 175, 1622.	5.1	107
151	Lower Blood Pressure Is Associated With Smaller Subcortical Brain Volumes in Older Persons. American Journal of Hypertension, 2015, 28, 1127-1133.	2.0	23
152	Executive function, but not memory, associates with incident coronary heart disease and stroke. Neurology, 2015, 85, 783-789.	1.1	26
153	Altered neural processing of emotional faces in remitted Cushing's disease. Psychoneuroendocrinology, 2015, 59, 134-146.	2.7	40
154	7T T2âˆ—-weighted magnetic resonance imaging reveals cortical phase differences between early- and late-onset Alzheimer's disease. Neurobiology of Aging, 2015, 36, 20-26.	3.1	43
155	Feasibility of Using Pseudo-Continuous Arterial Spin Labeling Perfusion in a Geriatric Population at 1.5 Tesla. PLoS ONE, 2015, 10, e0144743.	2.5	11
156	An In Vivo Study on Brain Microstructure in Biological and Chronological Ageing. PLoS ONE, 2015, 10, e0120778.	2.5	1
157	The Alcohol Paradox: Light-to-Moderate Alcohol Consumption, Cognitive Function, and Brain Volume. Journals of Gerontology - Series A Biological Sciences and Medical Sciences, 2014, 69, 1528-1535.	3.6	32
158	Biochemical changes in the brain of hemiplegic migraine patients measured with 7 tesla ¹H-MRS. Cephalalgia, 2014, 34, 959-967.	3.9	24
159	Joint effect of mid- and late-life blood pressure on the brain. Neurology, 2014, 82, 2187-2195.	1.1	80
160	Structural and functional brain connectivity in presymptomatic familial frontotemporal dementia. Neurology, 2014, 83, e19-26.	1.1	127
161	Texture analysis of ultrahigh field T₂*â€weighted MR images of the brain: Application to Huntington's disease. Journal of Magnetic Resonance Imaging, 2014, 39, 633-640.	3.4	10
162	Increased Number of Microinfarcts in Alzheimer Disease at 7-T MR Imaging. Radiology, 2014, 270, 205-211.	7.3	72

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163	Spatial heterogeneity of the relation between restingâ€state connectivity and blood flow: An important consideration for pharmacological studies. Human Brain Mapping, 2014, 35, 929-942.	3.6	22
164	Reduced cerebral gray matter and altered white matter in boys with <scp>D</scp>uchenne muscular dystrophy. Annals of Neurology, 2014, 76, 403-411.	5.3	90
165	Interaction of neuropeptide Y genotype and childhood emotional maltreatment on brain activity during emotional processing. Social Cognitive and Affective Neuroscience, 2014, 9, 601-609.	3.0	11
166	O5-03-01: BIRTH WEIGHT, MID-LIFE HYPERTENSION, AND LATE-LIFE BRAIN TISSUE LOSS: A LIFE-COURSE APPROACH. , 2014, 10, P294-P294.		1
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