Mark van Buchem

List of Publications by Year
in descending order

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465 papers	33,710 citations	3726 89 h-index	5820 161 g-index
475 all docs	475 docs citations	475 times ranked	33118 citing authors

#	Article	IF	Citations
1	Neuroimaging standards for research into small vessel disease and its contribution to ageing and neurodegeneration. Lancet Neurology, The, 2013, 12, 822-838.	4.9	3,919
2	Cerebral microbleeds: a guide to detection and interpretation. Lancet Neurology, The, 2009, 8, 165-174.	4.9	1,503
3	Migraine as a Risk Factor for Subclinical Brain Lesions. JAMA - Journal of the American Medical Association, 2004, 291, 427.	3.8	845
4	Prevalence of superficial siderosis in patients with cerebral amyloid angiopathy. Neurology, 2010, 74, 1346-1350.	1.5	763
5	Arterial stiffness, pressure and flow pulsatility and brain structure and function: the Age, Gene/Environment Susceptibility â€“ Reykjavik Study. Brain, 2011, 134, 3398-3407.	3.7	713
6	EULAR recommendations for the management of systemic lupus erythematosus with neuropsychiatric manifestations: report of a task force of the EULAR standing committee for clinical affairs. Annals of the Rheumatic Diseases, 2010, 69, 2074-2082.	0.5	578
7	Vascular dysfunctionâ€”The disregarded partner of Alzheimer's disease. Alzheimer's and Dementia, 2019, 15, 158-167.	0.4	454
8	Strongly reduced volumes of putamen and thalamus in Alzheimer's disease: an MRI study. Brain, 2008, 131, 3277-3285.	3.7	437
9	Whole brain resting-state analysis reveals decreased functional connectivity in major depression. Frontiers in Systems Neuroscience, 2010, 4, .	1.2	414
10	Blood-Brain Barrier Leakage in Patients with Early Alzheimer Disease. Radiology, 2016, 281, 527-535.	3.6	411
11	Regional Brain Volume in Depression and Anxiety Disorders. Archives of General Psychiatry, 2010, 67, 1002.	13.8	330
12	Infarcts in the posterior circulation territory in migraine. The population-based MRI CAMERA study. Brain, 2005, 128, 2068-2077.	3.7	328
13	Reduced Medial Prefrontal Cortex Volume in Adults Reporting Childhood Emotional Maltreatment. Biological Psychiatry, 2010, 68, 832-838.	0.7	312
14	Migraine is associated with an increased risk of deep white matter lesions, subclinical posterior circulation infarcts and brain iron accumulation: The population-based MRI CAMERA study. Cephalalgia, 2010, 30, 129-136.	1.8	306
15	Chronic sinusitis in severe asthma is related to sputum eosinophilia. Journal of Allergy and Clinical Immunology, 2002, 109, 621-626.	1.5	281
16	Multiple sclerosis lesion quantification using fuzzy-connectedness principles. IEEE Transactions on Medical Imaging, 1997, 16, 598-609.	5.4	278
17	Increase in periventricular white matter hyperintensities parallels decline in mental processing speed in a non-demented elderly population. Journal of Neurology, Neurosurgery and Psychiatry, 2006, 77, 149-153.	0.9	246
18	Assessment of middle cerebral artery diameter during hypocapnia and hypercapnia in humans using ultra-high-field MRI. Journal of Applied Physiology, 2014, 117, 1084-1089.	1.2	246

#	Article	IF	Citations
19	Cerebral blood flow in small vessel disease: A systematic review and meta-analysis. Journal of Cerebral Blood Flow and Metabolism, 2016, 36, 1653-1667.	2.4	223
20	Quantitative volumetric magnetization transfer analysis in multiple sclerosis: Estimation of macroscopic and microscopic disease burden. Magnetic Resonance in Medicine, 1996, 36, 632-636.	1.9	222
21	Fully automatic segmentation of white matter hyperintensities in MR images of the elderly. NeuroImage, 2005, 28, 607-617.	2.1	222
22	Common variants at 12q14 and 12q24 are associated with hippocampal volume. Nature Genetics, 2012, 44, 545-551.	9.4	212
23	Cerebral microbleeds in CADASIL. Neurology, 2001, 57, 1066-1070.	1.5	209
24	Beyond acute social stress: Increased functional connectivity between amygdala and cortical midline structures. NeuroImage, 2011, 57, 1534-1541.	2.1	207
25	Cerebral microbleeds in the population based AGES-Reykjavik study: prevalence and location. Journal of Neurology, Neurosurgery and Psychiatry, 2008, 79, 1002-1006.	0.9	206
26	Enhanced amygdala reactivity to emotional faces in adults reporting childhood emotional maltreatment. Social Cognitive and Affective Neuroscience, 2013, 8, 362-369.	1.5	200
27	Attack Frequency and Disease Duration as Indicators for Brain Damage in Migraine. Headache, 2008, 48, 1044-1055.	1.8	198
28	Cerebral microbleeds, retinopathy, and dementia. Neurology, 2010, 75, 2221-2228.	1.5	197
29	Structural Brain Changes in Migraine. JAMA - Journal of the American Medical Association, 2012, 308, 1889.	3.8	197
30	Migraine and MTHFR C677T genotype in a populationâ€based sample. Annals of Neurology, 2006, 59, 372-375.	2.8	193
31	Can arterial spin labeling detect white matter perfusion signal?. Magnetic Resonance in Medicine, 2009, 62, 165-173.	1.9	183
32	Migraine Headache in Middle Age and Late-Life Brain Infarcts. JAMA - Journal of the American Medical Association, 2009, 301, 2563.	3.8	183
33	Progression of brain atrophy and cognitive decline in diabetes mellitus. Neurology, 2010, 75, 997-1002.	1.5	182
34	Hierarchical functional modularity in the restingâ€state human brain. Human Brain Mapping, 2009, 30, 2220-2231.	1.9	174
35	Neuropsychiatric systemic lupus erythematosus: Lessons learned from magnetic resonance imaging. Arthritis and Rheumatism, 2011, 63, 722-732.	6.7	174
36	Correlation of volumetric magnetization transfer imaging with clinical data in MS. Neurology, 1998, 50, 1609-1617.	1.5	169

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37	Cerebral Autosomal Dominant Arteriopathy with Subcortical Infarcts and Leukoencephalopathy: MR Imaging Findings at Different Agesâ€”3rdâ€“6th Decades. Radiology, 2003, 229, 683-690.	3.6	165
38	Multiethnic Genome-Wide Association Study of Cerebral White Matter Hyperintensities on MRI. Circulation: Cardiovascular Genetics, 2015, 8, 398-409.	5.1	162
39	The increasing impact of cerebral amyloid angiopathy: essential new insights for clinical practice. Journal of Neurology, Neurosurgery and Psychiatry, 2017, 88, 982-994.	0.9	162
40	Impact of molecular imaging on the diagnostic process in a memory clinic. Alzheimer's and Dementia, 2013, 9, 414-421.	0.4	159
41	Operational Definitions for the NINDS-AIREN Criteria for Vascular Dementia. Stroke, 2003, 34, 1907-1912.	1.0	158
42	Functional brain connectivity at rest changes after working memory training. Human Brain Mapping, 2013, 34, 396-406.	1.9	157
43	Memory complaints in patients with normal cognition are associated with smaller hippocampal volumes. Journal of Neurology, 2004, 251, 671-5.	1.8	156
44	Neurovascular unit impairment in early Alzheimer's disease measured with magnetic resonance imaging. Neurobiology of Aging, 2016, 45, 190-196.	1.5	146
45	A Comprehensive Study of Whole-Brain Functional Connectivity in Children and Young Adults. Cerebral Cortex, 2011, 21, 385-391.	1.6	143
46	Cerebrovascular hemodynamics in Alzheimer's disease and vascular dementia: A meta-analysis of transcranial Doppler studies. Ageing Research Reviews, 2012, 11, 271-277.	5.0	143
47	Brain Stem and Cerebellar Hyperintense Lesions in Migraine. Stroke, 2006, 37, 1109-1112.	1.0	141
48	Reproducibility of total cerebral blood flow measurements using phase contrast magnetic resonance imaging. Journal of Magnetic Resonance Imaging, 2002, 16, 1-5.	1.9	138
49	Large Perivascular Spaces Visible on Magnetic Resonance Imaging, Cerebral Small Vessel Disease Progression, and Risk of Dementia. JAMA Neurology, 2017, 74, 1105.	4.5	136
50	Structural and functional brain connectivity in presymptomatic familial frontotemporal dementia. Neurology, 2013, 80, 814-823.	1.5	134
51	Iron Accumulation in Deep Brain Nuclei in Migraine: A Population-Based Magnetic Resonance Imaging Study. Cephalalgia, 2009, 29, 351-359.	1.8	132
52	Increased Functional Connectivity and Brain Atrophy in Elderly with Subjective Memory Complaints. Brain Connectivity, 2013, 3, 353-362.	0.8	132
53	Common variants at 12q15 and 12q24 are associated with infant head circumference. Nature Genetics, 2012, 44, 532-538.	9.4	130
54	Magnetization transfer imaging in normal aging, mild cognitive impairment, and Alzheimer's disease. Annals of Neurology, 2002, 52, 62-67.	2.8	127

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55	Frontal lobe structure and executive function in migraine patients. Neuroscience Letters, 2008, 440, 92-96.	1.0	127
56	Early changes in white matter pathways of the sensorimotor cortex in premanifest Huntington's disease. Human Brain Mapping, 2012, 33, 203-212.	1.9	127
57	Association of visit-to-visit variability in blood pressure with cognitive function in old age: prospective cohort study. BMJ, The, 2013, 347, f4600-f4600.	3.0	127
58	Structural and functional brain connectivity in presymptomatic familial frontotemporal dementia. Neurology, 2014, 83, e19-26.	1.5	127
59	Common variants at 6q22 and 17q21 are associated with intracranial volume. Nature Genetics, 2012, 44, 539-544.	9.4	126
60	Outcome markers for clinical trials in cerebral amyloid angiopathy. Lancet Neurology, The, 2014, 13, 419-428.	4.9	124
61	Effect of Subanesthetic Ketamine on Intrinsic Functional Brain Connectivity. Anesthesiology, 2012, 117, 868-877.	1.3	123
62	Coronary Artery Calcium, Brain Function and Structure. Stroke, 2010, 41, 891-897.	1.0	122
63	Early atrophy of pallidum and accumbens nucleus in Huntingtonâ€™s disease. Journal of Neurology, 2011, 258, 412-420.	1.8	121
64	Cerebral Infarcts and Cognitive Performance. Stroke, 2009, 40, 677-682.	1.0	119
65	Cortical Iron Reflects Severity ofÂAlzheimerâ€™s Disease. Journal of Alzheimer's Disease, 2017, 60, 1533-1545.	1.2	119
66	Syncope in migraine. Neurology, 2006, 66, 1034-1037.	1.5	118
67	High Blood Pressure and Resilience to Physical and Cognitive Decline in the Oldest Old: The Leiden 85â€Plus Study. Journal of the American Geriatrics Society, 2012, 60, 2014-2019.	1.3	118
68	Space and location of cerebral microbleeds, cognitive decline, and dementia in the community. Neurology, 2017, 88, 2089-2097.	1.5	117
69	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.	4.8	114
70	Retinal vasculopathy with cerebral leukoencephalopathy and systemic manifestations. Brain, 2016, 139, 2909-2922.	3.7	114
71	Endogenous cortisol is associated with functional connectivity between the amygdala and medial prefrontal cortex. Psychoneuroendocrinology, 2012, 37, 1039-1047.	1.3	113
72	Diabetes, markers of brain pathology and cognitive function. Annals of Neurology, 2014, 75, 138-146.	2.8	113

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73	Production of IL-1Î² and IL-1Ra as risk factors for susceptibility and progression of relapse-onset multiple sclerosis. Journal of Neuroimmunology, 2002, 126, 172-179.	1.1	111
74	Descriptive Analysis of the Boston Criteria Applied to a Dutch-Type Cerebral Amyloid Angiopathy Population. Stroke, 2009, 40, 3022-3027.	1.0	111
75	Extraversion Is Linked to Volume of the Orbitofrontal Cortex and Amygdala. PLoS ONE, 2011, 6, e28421.	1.1	111
76	Cerebral Microbleeds Are Predictive of Mortality in the Elderly. Stroke, 2011, 42, 638-644.	1.0	110
77	Nitric oxide mediates hypoxia-induced cerebral vasodilation in humans. Journal of Applied Physiology, 2002, 92, 962-966.	1.2	108
78	Effect of Discontinuation of Antihypertensive Treatment in Elderly People on Cognitive Functioningâ€"the DANTE Study Leiden. JAMA Internal Medicine, 2015, 175, 1622.	2.6	107
79	Cerebrovascular Damage Mediates Relations Between Aortic Stiffness and Memory. Hypertension, 2016, 67, 176-182.	1.3	107
80	Decline in Total Cerebral Blood Flow Is Linked with Increase in Periventricular but Not Deep White Matter Hyperintensities. Radiology, 2007, 243, 198-203.	3.6	106
81	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.	4.0	106
82	Practice effects in the brain: Changes in cerebral activation after working memory practice depend on task demands. NeuroImage, 2010, 52, 658-668.	2.1	105
83	Lacunar Infarcts Are the Main Correlate With Cognitive Dysfunction in CADASIL. Stroke, 2007, 38, 923-928.	1.0	104
84	Risk Factors Associated With Incident Cerebral Microbleeds According to Location in Older People. JAMA Neurology, 2015, 72, 682.	4.5	103
85	Shape differences of the brain ventricles in Alzheimer's disease. NeuroImage, 2006, 32, 1060-1069.	2.1	102
86	MR Angiography of the Intracranial Venous System. Radiology, 2000, 214, 678-682.	3.6	98
87	Effects of morphine and alcohol on functional brain connectivity during â€œresting stateâ€•A placeboâ€•controlled crossover study in healthy young men. Human Brain Mapping, 2012, 33, 1003-1018.	1.9	98
88	Subcortical Lacunar Lesions: An MR Imaging Finding in Patients with Cerebral Autosomal Dominant Arteriopathy with Subcortical Infarcts and Leukoencephalopathy. Radiology, 2002, 224, 791-796.	3.6	97
89	Cortical atrophy in patients with cerebral amyloid angiopathy: a case-control study. Lancet Neurology, The, 2016, 15, 811-819.	4.9	96
90	Resting-state functional connectivity of brain regions involved in cognitive control, motivation, and reward is enhanced in obese females. American Journal of Clinical Nutrition, 2014, 100, 524-531.	2.2	95

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91	Effect of pravastatin on cerebral infarcts and white matter lesions. Neurology, 2005, 64, 1807-1809.	1.5	94
92	Mortality in neuropsychiatric systemic lupus erythematosus (NPSLE). Lupus, 2014, 23, 31-38.	0.8	94
93	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.	1.5	93
94	MRI correlates of cognitive decline in CADASIL. Neurology, 2009, 72, 143-148.	1.5	92
95	Retinal and Cerebral Microvascular Signs and Diabetes. Diabetes, 2008, 57, 1645-1650.	0.3	91
96	Reduced cerebral gray matter and altered white matter in boys with <scp>D</scp>uchenne muscular dystrophy. Annals of Neurology, 2014, 76, 403-411.	2.8	90
97	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.	0.9	90
98	Obesity is marked by distinct functional connectivity in brain networks involved in food reward and salience. Behavioural Brain Research, 2015, 287, 127-134.	1.2	89
99	Cerebral small vessel disease genomics and its implications across the lifespan. Nature Communications, 2020, 11, 6285.	5.8	89
100	Different progression rates for deep white matter hyperintensities in elderly men and women. Neurology, 2004, 63, 1699-1701.	1.5	88
101	Brain tissue volumes in the general population of the elderly. NeuroImage, 2012, 59, 3862-3870.	2.1	88
102	Effects of fluoxetine on disease activity in relapsing multiple sclerosis: a double-blind, placebo-controlled, exploratory study. Journal of Neurology, Neurosurgery and Psychiatry, 2008, 79, 1027-1031.	0.9	86
103	Functional Magnetic Resonance Imaging Correlates of Emotional Word Encoding and Recognition in Depression and Anxiety Disorders. Biological Psychiatry, 2012, 71, 593-602.	0.7	84
104	Smaller grey matter volumes in the anterior cingulate cortex and greater cerebellar volumes in patients with long-term remission of Cushing's disease: a caseâ€“control study. European Journal of Endocrinology, 2013, 169, 811-819.	1.9	84
105	Middle cerebral artery diameter changes during rhythmic handgrip exercise in humans. Journal of Cerebral Blood Flow and Metabolism, 2017, 37, 2921-2927.	2.4	84
106	Evidence of central nervous system damage in patients with neuropsychiatric systemic lupus erythematosus, demonstrated by magnetization transfer imaging. Arthritis and Rheumatism, 2000, 43, 48-54.	6.7	83
107	Neuroticism and extraversion are associated with amygdala resting-state functional connectivity. Cognitive, Affective and Behavioral Neuroscience, 2014, 14, 836-848.	1.0	83
108	Genome-Wide Association Studies of MRI-Defined Brain Infarcts. Stroke, 2010, 41, 210-217.	1.0	82

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109	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.	2.9	82
110	Joint effect of mid- and late-life blood pressure on the brain. Neurology, 2014, 82, 2187-2195.	1.5	80
111	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.	2.4	80
112	Neurophysiological tests and neuroimaging procedures in non-acute headache: guidelines and recommendations. European Journal of Neurology, 2004, 11, 217-224.	1.7	79
113	Origin and reduction of motion and f0 artifacts in high resolution T2*-weighted magnetic resonance imaging: Application in Alzheimer's disease patients. NeuroImage, 2010, 51, 1082-1088.	2.1	76
114	Widespread reductions of white matter integrity in patients with long-term remission of Cushing's disease. NeuroImage: Clinical, 2014, 4, 659-667.	1.4	76
115	Interaction of medial temporal lobe atrophy and white matter hyperintensities in AD. Neurology, 2004, 62, 1862-1864.	1.5	75
116	Subtle bloodâ€brain barrier leakage rate and spatial extent: Considerations for dynamic contrastâ€enhanced <scp>MRI</scp>. Medical Physics, 2017, 44, 4112-4125.	1.6	75
117	Detection of cerebral involvement in patients with active neuropsychiatric systemic lupus erythematosus by the use of volumetric magnetization transfer imaging. Arthritis and Rheumatism, 2000, 43, 2428-2436.	6.7	72
118	EEG and MRI correlates of mild cognitive impairment and Alzheimer's disease. Neurobiology of Aging, 2007, 28, 1322-1329.	1.5	72
119	Increased Number of Microinfarcts in Alzheimer Disease at 7-T MR Imaging. Radiology, 2014, 270, 205-211.	3.6	72
120	Cerebral Hemodynamics and White Matter Hyperintensities in CADASIL. Journal of Cerebral Blood Flow and Metabolism, 2003, 23, 599-604.	2.4	70
121	Evidence for smaller right amygdala volumes in posttraumatic stress disorder following childhood trauma. Psychiatry Research - Neuroimaging, 2015, 233, 436-442.	0.9	69
122	Cerebrovascular function in presymptomatic and symptomatic individuals with hereditary cerebral amyloid angiopathy: a case-control study. Lancet Neurology, The, 2017, 16, 115-122.	4.9	68
123	Shape analysis of subcortical nuclei in Huntington's disease, global versus local atrophy â€" Results from the TRACK-HD study. Journal of the Neurological Sciences, 2011, 307, 60-68.	0.3	66
124	Hemoglobin and anemia in relation to dementia risk and accompanying changes on brain MRI. Neurology, 2019, 93, e917-e926.	1.5	66
125	Magnetization transfer imaging, white matter hyperintensities, brain atrophy and slower gait in older men and women. Neurobiology of Aging, 2010, 31, 1197-1204.	1.5	65
126	Neural correlates of perception of emotional facial expressions in out-patients with mild-to-moderate depression and anxiety. A multicenter fMRI study. Psychological Medicine, 2011, 41, 2253-2264.	2.7	65

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127	Reduced functional brain connectivity prior to and after disease onset in Huntington's disease. NeuroImage: Clinical, 2013, 2, 377-384.	1.4	65
128	Ultrafast Scan Magnetic Resonance in Prenatal Diagnosis. Fetal Diagnosis and Therapy, 2000, 15, 364-372.	0.6	64
129	Tractography of whiteâ€matter tracts in very preterm infants: a 2â€year followâ€up study. Developmental Medicine and Child Neurology, 2013, 55, 427-433.	1.1	64
130	Selective gray matter damage in neuropsychiatric lupus. Arthritis and Rheumatism, 2004, 50, 2877-2881.	6.7	63
131	Glycemic Status and Brain Injury in Older Individuals: The Age Gene/Environment Susceptibility-Reykjavik Study. Diabetes Care, 2009, 32, 1608-1613.	4.3	63
132	Cerebral microbleeds and cognitive functioning in the PROSPER study. Neurology, 2011, 77, 1446-1452.	1.5	63
133	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
134	Cognitive decline in AD and mild cognitive impairment is associated with global brain damage. Neurology, 2002, 59, 874-879.	1.5	62
135	White Matter Lesions and Cognitive Performance: The Role of Cognitively Complex Leisure Activity. Journals of Gerontology - Series A Biological Sciences and Medical Sciences, 2008, 63, 848-854.	1.7	62
136	Do Apparent Diffusion Coefficient Measurements Predict Outcome in Children with Neonatal Hypoxic-Ischemic Encephalopathy?. American Journal of Neuroradiology, 2009, 30, 264-270.	1.2	62
137	Prospective Study of Clinical Phenotypes in Neuropsychiatric Systemic Lupus Erythematosus; Multidisciplinary Approach to Diagnosis and Therapy. Journal of Rheumatology, 2012, 39, 2118-2126.	1.0	62
138	Neuropsychiatric manifestations in patients with systemic lupus erythematosus: epidemiology and radiology pointing to an immune-mediated cause. Annals of the Rheumatic Diseases, 2013, 72, ii76-ii79.	0.5	62
139	The impact of â€œphysiological correctionâ€on functional connectivity analysis of pharmacological resting state fMRI. NeuroImage, 2013, 65, 499-510.	2.1	62
140	Association of global brain damage and clinical functioning in neuropsychiatric systemic lupus erythematosus. Arthritis and Rheumatism, 2002, 46, 2665-2672.	6.7	61
141	Anti-NMDA receptor autoantibodies in patients with systemic lupus erythematosus and their first-degree relatives. Lupus, 2007, 16, 329-334.	0.8	61
142	ICA-based artifact removal diminishes scan site differences in multi-center resting-state fMRI. Frontiers in Neuroscience, 2015, 9, 395.	1.4	61
143	Percutaneous laser disc decompression versus conventional microdiscectomy in sciatica: a randomized controlled trial. Spine Journal, 2015, 15, 857-865.	0.6	61
144	Evaluation of diagnostic NOTCH3 immunostaining in CADASIL. Acta Neuropathologica, 2003, 106, 107-111.	3.9	60

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145	Aortic stiffness is associated with cardiac function and cerebral small vessel disease in patients with type 1 diabetes mellitus: assessment by magnetic resonance imaging. European Radiology, 2010, 20, 1132-1138.	2.3	60
146	Elevated brain iron is independent from atrophy in Huntington's Disease. NeuroImage, 2012, 61, 558-564.	2.1	60
147	Multisequence magnetic resonance imaging study of neuropsychiatric systemic lupus erythematosus. Arthritis and Rheumatism, 2004, 50, 3195-3202.	6.7	59
148	Progression of cerebral white matter lesions is not associated with development of depressive symptoms in elderly subjects at risk of cardiovascular disease. The PROSPER Study. International Journal of Geriatric Psychiatry, 2006, 21, 375-381.	1.3	59
149	Influence of COMT val158met Genotype on the Depressed Brain during Emotional Processing and Working Memory. PLoS ONE, 2013, 8, e73290.	1.1	59
150	Optimal Location for Arterial Input Function Measurements near the Middle Cerebral Artery in First-Pass Perfusion MRI. Journal of Cerebral Blood Flow and Metabolism, 2009, 29, 840-852.	2.4	55
151	A randomized crossover study of bee sting therapy for multiple sclerosis. Neurology, 2005, 65, 1764-1768.	1.5	54
152	Increased amygdalar and hippocampal volumes in elderly obese individuals with or at risk of cardiovascular disease. American Journal of Clinical Nutrition, 2011, 93, 1190-1195.	2.2	54
153	Glial and axonal changes in systemic lupus erythematosus measured with diffusion of intracellular metabolites. Brain, 2016, 139, 1447-1457.	3.7	54
154	Incidence of Brain Infarcts, Cognitive Change, and Risk of Dementia in the General Population. Stroke, 2017, 48, 2353-2360.	1.0	54
155	Selective Involvement of the Amygdala in Systemic Lupus Erythematosus. PLoS Medicine, 2006, 3, e499.	3.9	53
156	Distribution of cerebral microbleeds in the East and West. Neurology, 2019, 92, e1086-e1097.	1.5	53
157	EEG Markers of Future Cognitive Performance in the Elderly. Journal of Clinical Neurophysiology, 2008, 25, 83-89.	0.9	52
158	Association of Aortic Arch Pulse Wave Velocity with Left Ventricular Mass and Lacunar Brain Infarcts in Hypertensive Patients: Assessment with MR Imaging. Radiology, 2009, 253, 681-688.	3.6	52
159	Improved signal to noise in proton spectroscopy of the human calf muscle at 7 T using localized B₁ calibration. Magnetic Resonance in Medicine, 2010, 63, 207-211.	1.9	52
160	Tractâ€based spatial statistics on diffusion tensor imaging in systemic lupus erythematosus reveals localized involvement of white matter tracts. Arthritis and Rheumatism, 2010, 62, 3716-3721.	6.7	50
161	Improvements in highâ€field localized MRS of the medial temporal lobe in humans using new deformable highâ€dielectric materials. NMR in Biomedicine, 2011, 24, 873-879.	1.6	50
162	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.	1.6	50

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163	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.	0.9	50
164	The anterior hypothalamus in cluster headache. Cephalalgia, 2017, 37, 1039-1050.	1.8	50
165	Differences between Relapsing-Remitting and Chronic Progressive Multiple Sclerosis as Determined with Quantitative MR Imaging. Radiology, 1999, 210, 769-774.	3.6	49
166	Late-Onset Dementia: Structural Brain Damage and Total Cerebral Blood Flow. Radiology, 2005, 236, 990-995.	3.6	49
167	Ventricular shape biomarkers for Alzheimer's disease in clinical MR images. Magnetic Resonance in Medicine, 2008, 59, 260-267.	1.9	49
168	Cerebral Amyloidosis: Postmortem Detection with Human 7.0-T MR Imaging System. Radiology, 2009, 253, 788-796.	3.6	49
169	Microstructural Brain Tissue Damage in Metabolic Syndrome. Diabetes Care, 2014, 37, 493-500.	4.3	49
170	A multimodal MRI approach to identify and characterize microstructural brain changes in neuropsychiatric systemic lupus erythematosus. NeuroImage: Clinical, 2015, 8, 337-344.	1.4	49
171	Imaging modalities in central nervous system systemic lupus erythematosus. Current Opinion in Rheumatology, 2001, 13, 383-388.	2.0	48
172	Modulatory Effects of the Piccolo Genotype on Emotional Memory in Health and Depression. PLoS ONE, 2013, 8, e61494.	1.1	48
173	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.	1.4	48
174	No Influence of Melatonin on Cerebral Blood Flow in Humans. Journal of Clinical Endocrinology and Metabolism, 2003, 88, 5989-5994.	1.8	47
175	MRI artifacts in human brain tissue after prolonged formalin storage. Magnetic Resonance in Medicine, 2011, 65, 1750-1758.	1.9	47
176	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.	0.3	47
177	Dutch hereditary cerebral amyloid angiopathy: Structural lesions and apolipoprotein E genotype. Annals of Neurology, 1997, 41, 695-698.	2.8	46
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