Bradley J Macintosh

List of Publications by Year
in descending order

171 papers	8,723 citations	81900 39 h-index	51608 86 g-index
179 all docs	179 docs citations	179 times ranked	12304 citing authors

#	Article	IF	Citations
1	Dynamic relationships between depressive symptoms and insulin resistance over 20 years of adulthood. Psychological Medicine, 2023, 53, 1458-1467.	4.5	1
2	Resting-state functional connectivity indicators of risk and resilience for self-harm in adolescent bipolar disorder. Psychological Medicine, 2023, 53, 3377-3386.	4.5	5
3	Elevated regional cerebral blood flow in adults with 22q11.2 deletion syndrome. World Journal of Biological Psychiatry, 2023, 24, 260-265.	2.6	0
4	Intracranial and subcortical volumes in adolescents with <scp>earlyâ€onset</scp> psychosis: A multisite <scp>megaâ€analysis</scp> from the <scp>ENIGMA</scp> consortium. Human Brain Mapping, 2022, 43, 373-384.	3.6	27
5	What we learn about bipolar disorder from largeâ€scale neuroimaging: Findings and future directions from the <scp>ENIGMA</scp> Bipolar Disorder Working Group. Human Brain Mapping, 2022, 43, 56-82.	3.6	67
6	The <scp>ENIGMA</scp> Stroke Recovery Working Group: Big data neuroimaging to study brainâ€“behavior relationships after stroke. Human Brain Mapping, 2022, 43, 129-148.	3.6	54
7	Neurostructural correlates of BDNF rs6265 genotype in youth bipolar disorder. Bipolar Disorders, 2022, 24, 185-194.	1.9	3
8	Antioxidative Defense Genes and Brain Structure in Youth Bipolar Disorder. International Journal of Neuropsychopharmacology, 2022, 25, 89-98.	2.1	6
9	Neurostructural differences associated with selfâ€harm in youth bipolar disorder. Bipolar Disorders, 2022, 24, 275-285.	1.9	4
10	The unrealized promise of cerebrovascular magnetic resonance imaging in psychiatric research across the lifespan. European Neuropsychopharmacology, 2022, 55, 11-13.	0.7	3
11	Association of blood pressure with brain structure in youth with and without bipolar disorder. Journal of Affective Disorders, 2022, 299, 666-674.	4.1	4
12	Obesity and Cerebral Blood Flow in the Reward Circuitry of Youth With Bipolar Disorder. International Journal of Neuropsychopharmacology, 2022, 25, 448-456.	2.1	1
13	Toward exercise as medicine for adolescents with bipolar disorder (TEAM-BD): A feasibility study. Mental Health and Physical Activity, 2022, 22, 100441.	1.8	3
14	Virtual Arm Boot Camp (V-ABC): study protocol for a mixed-methods study to increase upper limb recovery after stroke with an intensive program coupled with a grasp count device. Trials, 2022, 23, 129.	1.6	2
15	Automated generation of cerebral blood flow and arterial transit time maps from multiple delay arterial spinâ€labeled <scp>MRI</scp>. Magnetic Resonance in Medicine, 2022, 88, 406-417.	3.0	13
16	Glucose-lowering drugs, cognition, and dementia: The clinical evidence. Neuroscience and Biobehavioral Reviews, 2022, 137, 104654.	6.1	7
17	Associations of white matter hyperintensities with networks of gray matter blood flow and volume in midlife adults: A coronary artery risk development in young adults magnetic resonance imaging substudy. Human Brain Mapping, 2022, 43, 3680-3693.	3.6	5
18	Cerebral Blood Flow and Core Mood Symptoms in Youth Bipolar Disorder: Evidence for Regionâ€“Symptom Specificity. Journal of the American Academy of Child and Adolescent Psychiatry, 2022, 61, 1455-1465.	0.5	5

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19	P196. Neurostructural and Neurofunctional Phenotypes of Self-Harm Among Youth With Bipolar Disorder. Biological Psychiatry, 2022, 91, S166-S167.	1.3	0
20	Chronic Stroke Sensorimotor Impairment Is Related to Smaller Hippocampal Volumes: An ENIGMA Analysis. Journal of the American Heart Association, 2022, 11, e025109.	3.7	8
21	Detecting Silent Acute Microinfarcts in Cerebral Small Vessel Disease Using Submillimeter Diffusion-Weighted Magnetic Resonance Imaging: Preliminary Results. Stroke, 2022, 53, .	2.0	3
22	A large, curated, open-source stroke neuroimaging dataset to improve lesion segmentation algorithms. Scientific Data, 2022, 9, .	5.3	33
23	Questioning the Meaning of a Change on the Alzheimerâ€™s Disease Assessment Scaleâ€“Cognitive Subscale (ADAS-Cog): Noncomparable Scores and Item-Specific Effects Over Time. Assessment, 2021, 28, 1708-1722.	3.1	5
24	Neurostructural phenotypes of CACNA1C rs1006737 in adolescents with bipolar disorder and healthy controls. Progress in Neuro-Psychopharmacology and Biological Psychiatry, 2021, 104, 110071.	4.8	5
25	Clinical and neuroimaging correlates of cardiorespiratory fitness in adolescents with bipolar disorder. Bipolar Disorders, 2021, 23, 274-283.	1.9	6
26	Neurostructural Correlates of Cannabis Use in Adolescent Bipolar Disorder. International Journal of Neuropsychopharmacology, 2021, 24, 181-190.	2.1	6
27	A Review of Translational Magnetic Resonance Imaging in Human and Rodent Experimental Models of Small Vessel Disease. Translational Stroke Research, 2021, 12, 15-30.	4.2	18
28	Correspondence between patterns of cerebral blood flow and structure in adolescents with and without bipolar disorder. Journal of Cerebral Blood Flow and Metabolism, 2021, 41, 0271678X2198924.	4.3	8
29	Elevated lipids are associated with reduced regional brain structure in youth with bipolar disorder. Acta Psychiatrica Scandinavica, 2021, 143, 513-525.	4.5	20
30	Cerebrovascular assessments to help understand brain-related changes associated with aerobic exercise after stroke. Applied Physiology, Nutrition and Metabolism, 2021, 46, 412-415.	1.9	1
31	Prevalence of white matter hyperintensities is not elevated in a large sample of adolescents and young adults with bipolar disorder. Revista Brasileira De Psiquiatria, 2021, 43, 147-152.	1.7	4
32	Cannabis Use and Resting State Functional Connectivity in Adolescent Bipolar Disorder. Biological Psychiatry, 2021, 89, S167.	1.3	0
33	Neurostructural Correlates of Self-Harm Among Youth With Bipolar Disorder. Biological Psychiatry, 2021, 89, S187.	1.3	0
34	White matter microstructure in youth at risk for serious mental illness: A comparative analysis. Psychiatry Research - Neuroimaging, 2021, 312, 111289.	1.8	4
35	Structural neuroimaging phenotypes of a novel multi-gene risk score in youth bipolar disorder. Journal of Affective Disorders, 2021, 289, 135-143.	4.1	1
36	Trail Making Test Performance Using a Touch-Sensitive Tablet: Behavioral Kinematics and Electroencephalography. Frontiers in Human Neuroscience, 2021, 15, 663463.	2.0	6

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37	Diabetes Mellitus Is Associated With Poor Inâ€Hospital and Longâ€Term Outcomes in Young and Midlife Stroke Survivors. Journal of the American Heart Association, 2021, 10, e019991.	3.7	10
38	Smaller spared subcortical nuclei are associated with worse post-stroke sensorimotor outcomes in 28 cohorts worldwide. Brain Communications, 2021, 3, fcab254.	3.3	7
39	Cannabis use and resting state functional connectivity in adolescent bipolar disorder. Journal of Psychiatry and Neuroscience, 2021, 46, E559-E567.	2.4	4
40	Dynamics between psychological distress and body mass index throughout adult life; evidence from 3 large cohort studies. Journal of Psychiatric Research, 2021, 144, 378-388.	3.1	1
41	Longitudinal relation between blood pressure, antihypertensive use and cerebral blood flow, using arterial spin labelling MRI. Journal of Cerebral Blood Flow and Metabolism, 2021, 41, 1756-1766.	4.3	16
42	Brain structure and function in people recovering from COVID-19 after hospital discharge or self-isolation: a longitudinal observational study protocol. CMAJ Open, 2021, 9, E1114-E1119.	2.4	11
43	Metabolic and vascular risk factors are associated with reduced cerebral blood flow and poorer midlife memory performance. Human Brain Mapping, 2020, 41, 855-864.	3.6	17
44	Cardiacâ€Related Pulsatility in the Insula Is Directly Associated With Middle Cerebral Artery Pulsatility Index. Journal of Magnetic Resonance Imaging, 2020, 51, 1454-1462.	3.4	5
45	Hippocampal segmentation for brains with extensive atrophy using threeâ€dimensional convolutional neural networks. Human Brain Mapping, 2020, 41, 291-308.	3.6	45
46	Preliminary study of structural magnetic resonance imaging phenotypes related to genetic variation in Interleukin-1Î² rs16944 in adolescents with Bipolar Disorder. Journal of Psychiatric Research, 2020, 122, 33-41.	3.1	12
47	Lower Thalamic Blood Flow Is Associated With Slower Stride Velocity in Older Adults. Frontiers in Aging Neuroscience, 2020, 12, 571074.	3.4	4
48	Cerebral Blood Flow Differs by Mood State and is Inversely Associated With Specific Depressive Symptoms in Adolescents With Bipolar Disorder. Biological Psychiatry, 2020, 87, S93.	1.3	1
49	Depression and Diabetes Mellitus Multimorbidity Is Associated With Loss of Independence and Dementia Poststroke. Stroke, 2020, 51, 3531-3540.	2.0	12
50	Cardiac-Related Cerebral Pulsatility in Adolescents With Bipolar Disorder is Elevated in White Matter and Under-Responsive to Acute Aerobic Exercise. Biological Psychiatry, 2020, 87, S55.	1.3	0
51	Resting State Functional Connectivity and Suicidality in Adolescent Bipolar Disorder. Biological Psychiatry, 2020, 87, S438.	1.3	1
52	Adolescent Bipolar Disorder is Associated With Altered Region-By-Region Cerebral Blood Flow Patterns: A Novel Application of Covariance Mapping. Biological Psychiatry, 2020, 87, S93-S94.	1.3	0
53	Assessment of cognitive and neural recovery in survivors of pediatric brain tumors in a pilot clinical trial using metformin. Nature Medicine, 2020, 26, 1285-1294.	30.7	65
54	Relationships between memory decline and the use of metformin or DPP4 inhibitors in people with type 2 diabetes with normal cognition or Alzheimer's disease, and the role APOE carrier status. Alzheimer's and Dementia, 2020, 16, 1663-1673.	0.8	51

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55	Functional imaging in youth at risk for transdiagnostic serious mental illness: Initial results from the PROCAN study. Microbial Biotechnology, 2020, 15, 1276-1291.	1.7	3
56	Relationships between oral hypoglycemic drugs and memory decline in people with type 2 diabetes: A stratified longitudinal observational study. Alzheimer's and Dementia, 2020, 16, e041312.	0.8	1
57	How much can the Alzheimerâ€™s Disease Assessment Scale Cognitive Subscale (ADASâ€Cog) tell us? Insights from a latent stateâ€trait autoâ€regressive (LSTâ€AR) model. Alzheimer's and Dementia, 2020, 16, e041582.	0.8	0
58	Cardiacâ€Related Pulsatility in the Insula Is Directly Associated With Middle Cerebral Artery Pulsatility Index. Journal of Magnetic Resonance Imaging, 2020, 51, spcone.	3.4	0
59	ExploreASL: An image processing pipeline for multi-center ASL perfusion MRI studies. NeuroImage, 2020, 219, 117031.	4.2	80
60	White Matter Connectivity in Youth at Risk for Serious Mental Illness: A Longitudinal Analysis. Psychiatry Research - Neuroimaging, 2020, 302, 111106.	1.8	4
61	Nitrous oxide as a putative novel dual-mechanism treatment for bipolar depression: Proof-of-concept study design and methodology. Contemporary Clinical Trials Communications, 2020, 19, 100600.	1.1	8
62	The association between restingâ€state functional magnetic resonance imaging and aortic pulseâ€wave velocity in healthy adults. Human Brain Mapping, 2020, 41, 2121-2135.	3.6	22
63	Perivascular spaces in the brain: anatomy, physiology and pathology. Nature Reviews Neurology, 2020, 16, 137-153.	10.1	405
64	Aberrant limbic brain structures in young individuals at risk for mental illness. Psychiatry and Clinical Neurosciences, 2020, 74, 294-302.	1.8	14
65	Amyloid-beta burden predicts prospective decline in body mass index in clinically normal adults. Neurobiology of Aging, 2020, 93, 124-130.	3.1	27
66	Abstract WP379: Sex-specific Effects of Comorbid Diabetes and Depression on Post-stroke Mortality in Individuals With Atrial Fibrillation. Stroke, 2020, 51, .	2.0	0
67	Cardiovascular risk and encoding-related hippocampal connectivity in older adults. BMC Neuroscience, 2019, 20, 37.	1.9	5
68	Resting state functional connectivity changes after MR-guided focused ultrasound mediated blood-brain barrier opening in patients with Alzheimer's disease. NeuroImage, 2019, 200, 275-280.	4.2	46
69	Normal Cerebral Oxygen Consumption Despite Elevated Cerebral Blood Flow in Adolescents With Bipolar Disorder: Putative Neuroimaging Evidence of Anomalous Energy Metabolism. Frontiers in Psychiatry, 2019, 10, 739.	2.6	15
70	Cerebrovascular Pulsatility During Rest and Exercise Reflects Hemodynamic Impairment in Stroke and Cerebral Small Vessel Disease. Ultrasound in Medicine and Biology, 2019, 45, 3116-3127.	1.5	12
71	Blood-Brain Barrier Opening in Alzheimer's Disease Using MR-guided Focused Ultrasound. Neurosurgery, 2019, 66, 310-208.	1.1	12
72	F133. Cerebral Blood Flow is Altered According to Mood States in Adolescents With Bipolar Disorder. Biological Psychiatry, 2019, 85, S265.	1.3	6

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73	BOLDâ€based cerebrovascular reactivity vascular transfer function isolates amplitude and timing responses to better characterize cerebral small vessel disease. NMR in Biomedicine, 2019, 32, e4064.	2.8	25
74	Classifying cognitive impairment based on the spatial heterogeneity of cerebral blood flow images. Journal of Magnetic Resonance Imaging, 2019, 50, 858-867.	3.4	14
75	The Meta VCI Map consortium for metaâ€analyses on strategic lesion locations for vascular cognitive impairment using lesionâ€symptom mapping: Design and multicenter pilot study. Alzheimer's and Dementia: Diagnosis, Assessment and Disease Monitoring, 2019, 11, 310-326.	2.4	26
76	Cerebral perfusion changes in presymptomatic genetic frontotemporal dementia: a GENFI study. Brain, 2019, 142, 1108-1120.	7.6	41
77	Harmonizing brain magnetic resonance imaging methods for vascular contributions to neurodegeneration. Alzheimer's and Dementia: Diagnosis, Assessment and Disease Monitoring, 2019, 11, 191-204.	2.4	65
78	A Novel Framework for Estimating Time-Varying Multivariate Autoregressive Models and Application to Cardiovascular Responses to Acute Exercise. IEEE Transactions on Biomedical Engineering, 2019, 66, 3257-3266.	4.2	13
79	Aerobic Training and Mobilization Early Post-stroke: Cautions and Considerations. Frontiers in Neurology, 2019, 10, 1187.	2.4	49
80	Reduced cerebrovascular reactivity among adolescents with bipolar disorder. Bipolar Disorders, 2019, 21, 124-131.	1.9	14
81	Cortical Volume and Thickness Across Bipolar Disorder Subtypes in Adolescents: A Preliminary Study. Journal of Child and Adolescent Psychopharmacology, 2019, 29, 141-151.	1.3	10
82	Cerebrovascular blood oxygenation level dependent pulsatility at baseline and following acute exercise among healthy adolescents. Journal of Cerebral Blood Flow and Metabolism, 2019, 39, 1737-1749.	4.3	12
83	Perivascular Spaces Segmentation in Brain MRI Using Optimal 3D Filtering. Scientific Reports, 2018, 8, 2132.	3.3	98
84	Aerobic With Resistance Training or Aerobic Training Alone Poststroke: A Secondary Analysis From a Randomized Clinical Trial. Neurorehabilitation and Neural Repair, 2018, 32, 209-222.	2.9	34
85	Comparison of arterial spin labeling registration strategies in the multiâ€center GENetic frontotemporal dementia initiative (GENFI). Journal of Magnetic Resonance Imaging, 2018, 47, 131-140.	3.4	41
86	Enhancement of automated blood flow estimates (ENABLE) from arterial spinâ€labeled MRI. Journal of Magnetic Resonance Imaging, 2018, 47, 647-655.	3.4	30
87	Greater body mass index is associated with reduced frontal cortical volumes among adolescents with bipolar disorder. Journal of Psychiatry and Neuroscience, 2018, 43, 120-130.	2.4	32
88	T132. Cardiac-Related Pulsatility in White Matter in Adolescents With Bipolar Disorder is Elevated and Unresponsive to Acute Aerobic Exercise. Biological Psychiatry, 2018, 83, S179.	1.3	0
89	Cerebrovascular Reactivity during Prolonged Breath-Hold in Experienced Freedivers. American Journal of Neuroradiology, 2018, 39, 1839-1847.	2.4	7
90	Attention-Related Brain Activation Is Altered in Older Adults With White Matter Hyperintensities Using Multi-Echo fMRI. Frontiers in Neuroscience, 2018, 12, 748.	2.8	18

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91	APOEâ€ƒ4 associates with hippocampal volume, learning, and memory across the spectrum of Alzheimer's disease and dementia with Lewy bodies. Alzheimer's and Dementia, 2018, 14, 1137-1147.	0.8	39
92	Sex differences in brain structure among adolescents with bipolar disorder. Bipolar Disorders, 2018, 20, 448-458.	1.9	16
93	F144. Association of Cannabis Use With Brain Structure in Adolescents With Bipolar Disorder. Biological Psychiatry, 2018, 83, S294.	1.3	0
94	Brain tissue pulsatility is related to clinical features of Parkinson's disease. NeuroImage: Clinical, 2018, 20, 222-227.	2.7	5
95	Cerebral blood flow in bipolar disorder: A systematic review. Journal of Affective Disorders, 2018, 241, 505-513.	4.1	55
96	Magnetic resonance imaging of cerebrovascular reactivity in healthy adolescents. Journal of Neuroscience Methods, 2018, 306, 1-9.	2.5	8
97	Depression, Type 2 Diabetes, and Poststroke Cognitive Impairment. Neurorehabilitation and Neural Repair, 2017, 31, 48-55.	2.9	34
98	Cerebrovascular reactivity measured by functional magnetic resonance imaging during breath-hold challenge: A systematic review. Neuroscience and Biobehavioral Reviews, 2017, 79, 27-47.	6.1	65
99	Temporal and Spatial Variances in Arterial Spin-Labeling Are Inversely Related to Large-Artery Blood Velocity. American Journal of Neuroradiology, 2017, 38, 1555-1561.	2.4	19
100	The spatial coefficient of variation in arterial spin labeling cerebral blood flow images. Journal of Cerebral Blood Flow and Metabolism, 2017, 37, 3184-3192.	4.3	76
101	532. Multimodal MRI Analysis of Medial Prefrontal Cortex and Cognitive Control in Adolescent Bipolar Disorder. Biological Psychiatry, 2017, 81, S215-S216.	1.3	0
102	609. Cerebrovascular Reactivity is Associated with Cardiovascular Risk Factors and Cognition Among Adolescents. Biological Psychiatry, 2017, 81, S246-S247.	1.3	0
103	938. Cortical Volume, Thickness and Surface Area in Adolescents across the Bipolar Spectrum. Biological Psychiatry, 2017, 81, S379-S380.	1.3	0
104	Increased cerebral blood flow among adolescents with bipolar disorder at rest is reduced following acute aerobic exercise. Journal of Affective Disorders, 2017, 208, 205-213.	4.1	24
105	Brain Function Is Linked to <scp>LDL</scp> Cholesterol in Older Adults with Cardiovascular Risk. Journal of the American Geriatrics Society, 2017, 65, e51-e55.	2.6	10
106	Exercise Training Increases Parietal Lobe Cerebral Blood Flow in Chronic Stroke: An Observational Study. Frontiers in Aging Neuroscience, 2017, 9, 318.	3.4	23
107	Post-stroke Fatigue and Depressive Symptoms Are Differentially Related to Mobility and Cognitive Performance. Frontiers in Aging Neuroscience, 2017, 9, 343.	3.4	41
108	Mapping Long-Term Functional Changes in Cerebral Blood Flow by Arterial Spin Labeling. PLoS ONE, 2016, 11, e0164112.	2.5	11

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109	â€˜Under pressureâ€™: is there a link between orthostatic hypotension and cognitive impairment in Î±-synucleinopathies?. Journal of Neurology, Neurosurgery and Psychiatry, 2016, 87, 1311-1321.	1.9	75
110	Effects of acute aerobic exercise on neural correlates of attention and inhibition in adolescents with bipolar disorder. Translational Psychiatry, 2016, 6, e814-e814.	4.8	40
111	Summative effects of vascular risk factors on cortical thickness in mild cognitive impairment. Neurobiology of Aging, 2016, 45, 98-106.	3.1	23
112	Prescribing Aerobic Exercise Intensity without a Cardiopulmonary Exercise Test Post Stroke: Utility of the Six-Minute Walk Test. Journal of Stroke and Cerebrovascular Diseases, 2016, 25, 2222-2231.	1.6	21
113	Orthostatic hypotension, cerebral hypoperfusion, and visuospatial deficits in Lewy body disorders. Parkinsonism and Related Disorders, 2016, 22, 80-86.	2.2	35
114	Regional reduction in cortical blood flow among cognitively impaired adults with relapsing-remitting multiple sclerosis patients. Multiple Sclerosis Journal, 2016, 22, 1421-1428.	3.0	20
115	Characterizing exercise-induced feelings after one bout of exercise among adolescents with and without bipolar disorder. Journal of Affective Disorders, 2016, 190, 467-473.	4.1	16
116	Physiological fluctuations in white matter are increased inÂAlzheimer's disease and correlate with neuroimaging andÂcognitive biomarkers. Neurobiology of Aging, 2016, 37, 12-18.	3.1	60
117	Automated removal of spurious intermediate cerebral blood flow volumes improves image quality among older patients: A clinical arterial spin labeling investigation. Journal of Magnetic Resonance Imaging, 2015, 42, 1377-1385.	3.4	35
118	Vascular risk factor burden correlates with cerebrovascular reactivity but not resting state coactivation in the default mode network. Journal of Magnetic Resonance Imaging, 2015, 42, 1369-1376.	3.4	14
119	Gray matter blood flow and volume are reduced in association with white matter hyperintensity lesion burden: a cross-sectional MRI study. Frontiers in Aging Neuroscience, 2015, 7, 131.	3.4	58
120	Recommended implementation of arterial spinâ€labeled perfusion MRI for clinical applications: A consensus of the ISMRM perfusion study group and the European consortium for ASL in dementia. Magnetic Resonance in Medicine, 2015, 73, spcone.	3.0	19
121	Presymptomatic cognitive and neuroanatomical changes in genetic frontotemporal dementia in the Genetic Frontotemporal dementia Initiative (GENFI) study: a cross-sectional analysis. Lancet Neurology, The, 2015, 14, 253-262.	10.2	432
122	Recommended implementation of arterial spinâ€labeled perfusion MRI for clinical applications: A consensus of the ISMRM perfusion study group and the European consortium for ASL in dementia. Magnetic Resonance in Medicine, 2015, 73, 102-116.	3.0	1,663
123	Estimating the sample size required to detect an arterial spin labelling magnetic resonance imaging perfusion abnormality in voxel-wise group analyses. Journal of Neuroscience Methods, 2015, 245, 169-177.	2.5	9
124	Exercise intensity modulates the change in cerebral blood flow following aerobic exercise in chronic stroke. Experimental Brain Research, 2015, 233, 2467-2475.	1.5	27
125	CACNA1C rs1006737 genotype and bipolar disorder: Focus on intermediate phenotypes and cardiovascular comorbidity. Neuroscience and Biobehavioral Reviews, 2015, 55, 198-210.	6.1	33
126	Regional Cerebral Arterial Transit Time Hemodynamics Correlate with Vascular Risk Factors and Cognitive Function in Men with Coronary Artery Disease. American Journal of Neuroradiology, 2015, 36, 295-301.	2.4	21

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127	Impact of a Single Bout of Aerobic Exercise on Regional Brain Perfusion and Activation Responses in Healthy Young Adults. PLoS ONE, 2014, 9, e85163.	2.5	78
128	Cardiopulmonary Fitness Correlates with Regional Cerebral Grey Matter Perfusion and Density in Men with Coronary Artery Disease. PLoS ONE, 2014, 9, e91251.	2.5	18
129	A systematic review of type 2 diabetes mellitus and hypertension in imaging studies of cognitive aging: time to establish new norms. Frontiers in Aging Neuroscience, 2014, 6, 148.	3.4	35
130	A single session of exercise increases connectivity in sensorimotor-related brain networks: a resting-state fMRI study in young healthy adults. Frontiers in Human Neuroscience, 2014, 8, 625.	2.0	65
131	Effects of cannabis on cognition in patients with MS. Neurology, 2014, 82, 1879-1887.	1.1	58
132	Differentiating between visual hallucination-free dementia with Lewy bodies and corticobasal syndrome on the basis of neuropsychology and perfusion single-photon emission computed tomography. Alzheimer's Research and Therapy, 2014, 6, 71.	6.2	14
133	Modeling the residue function in DSCâ€MRI simulations: Analytical approximation to in vivo data. Magnetic Resonance in Medicine, 2014, 72, 1486-1491.	3.0	9
134	Modeling and correction of bolus dispersion effects in dynamic susceptibility contrast MRI. Magnetic Resonance in Medicine, 2014, 72, 1762-1774.	3.0	15
135	Combined effects of type 2 diabetes and hypertension associated with cortical thinning and impaired cerebrovascular reactivity relative to hypertension alone in older adults. NeuroImage: Clinical, 2014, 5, 36-41.	2.7	69
136	MRI Methods Applied to Stroke. , 2014, , 257-281.		0
137	Modeling dispersion in arterial spin labeling: Validation using dynamic angiographic measurements. Magnetic Resonance in Medicine, 2013, 69, 563-570.	3.0	39
138	Cerebral small vessel disease in aging and <scp>A</scp>lzheimer's disease: a comparative study using <scp>MRI</scp> and <scp>SPECT</scp>. European Journal of Neurology, 2013, 20, 243-250.	3.3	47
139	Physical activity in the prevention of ischemic stroke and improvement of outcomes: A narrative review. Neuroscience and Biobehavioral Reviews, 2013, 37, 133-137.	6.1	37
140	Evaluating quantitative approaches to dynamic susceptibility contrast MRI among carotid endarterectomy patients. Journal of Magnetic Resonance Imaging, 2013, 37, 936-943.	3.4	8
141	A control point interpolation method for the non-parametric quantification of cerebral haemodynamics from dynamic susceptibility contrast MRI. NeuroImage, 2013, 64, 560-570.	4.2	22
142	Magnetic Resonance Imaging to Visualize Stroke and Characterize Stroke Recovery: A Review. Frontiers in Neurology, 2013, 4, 60.	2.4	31
143	BOLD fMRI in the White Matter as a Marker of Aging and Small Vessel Disease. PLoS ONE, 2013, 8, e67652.	2.5	76
144	Visualization of Altered Neurovascular Coupling in Chronic Stroke Patients using Multimodal Functional MRI. Journal of Cerebral Blood Flow and Metabolism, 2012, 32, 2044-2054.	4.3	64

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145	Hemodynamic Alterations in Vertebrobasilar Large Artery Disease Assessed by Arterial Spin-Labeling MR Imaging. American Journal of Neuroradiology, 2012, 33, 1939-1944.	2.4	22
146	Plaque Features Associated With Increased Cerebral Infarction After Minor Stroke and TIA. JACC: Cardiovascular Imaging, 2012, 5, 388-396.	5.3	60
147	Differential effects of the APOE genotype on brain function across the lifespan. NeuroImage, 2011, 54, 602-610.	4.2	168
148	Partial volume correction of multiple inversion time arterial spin labeling MRI data. Magnetic Resonance in Medicine, 2011, 65, 1173-1183.	3.0	133
149	Intracranial Hemodynamics Is Altered by Carotid Artery Disease and After Endarterectomy. Stroke, 2011, 42, 979-984.	2.0	21
150	Assessment of arterial arrival times derived from multiple inversion time pulsed arterial spin labeling MRI. Magnetic Resonance in Medicine, 2010, 63, 641-647.	3.0	109
151	Separation of macrovascular signal in multiâ€inversion time arterial spin labelling MRI. Magnetic Resonance in Medicine, 2010, 63, 1357-1365.	3.0	101
152	Coupling of simultaneously acquired electrophysiological and haemodynamic responses during visual stimulation. Magnetic Resonance Imaging, 2010, 28, 1066-1077.	1.8	12
153	Absolute Arterial Cerebral Blood Volume Quantification Using Inflow Vascular-Space-Occupancy with Dynamic Subtraction Magnetic Resonance Imaging. Journal of Cerebral Blood Flow and Metabolism, 2010, 30, 1329-1342.	4.3	57
154	fMRI-compatible registration of jaw movements using a fiber-optic bend sensor. Frontiers in Human Neuroscience, 2010, 4, 24.	2.0	6
155	Multiple Inflow Pulsed Arterial Spin-Labeling Reveals Delays in the Arterial Arrival Time in Minor Stroke and Transient Ischemic Attack. American Journal of Neuroradiology, 2010, 31, 1892-1894.	2.4	93
156	Challenging the brain: Exploring the link between effort and cortical activation. Brain Research, 2009, 1301, 9-19.	2.2	16
157	Cerebral Blood Flow, Blood Volume, and Oxygen Metabolism Dynamics in Human Visual and Motor Cortex as Measured by Whole-Brain Multi-Modal Magnetic Resonance Imaging. Journal of Cerebral Blood Flow and Metabolism, 2009, 29, 1856-1866.	4.3	84
158	Opioids Depress Cortical Centers Responsible for the Volitional Control of Respiration. Journal of Neuroscience, 2009, 29, 8177-8186.	3.6	142
159	Distinct patterns of brain activity in young carriers of the APOE -Îµ4 allele. Proceedings of the National Academy of Sciences of the United States of America, 2009, 106, 7209-7214.	7.1	1,524
160	Measuring the Effects of Remifentanil on Cerebral Blood Flow and Arterial Arrival Time Using 3D Grase MRI with Pulsed Arterial Spin Labelling. Journal of Cerebral Blood Flow and Metabolism, 2008, 28, 1514-1522.	4.3	89
161	Electrodermal Recording and fMRI to Inform Sensorimotor Recovery in Stroke Patients. Neurorehabilitation and Neural Repair, 2008, 22, 728-736.	2.9	14
162	Remifentanil-Induced Cerebral Blood Flow Effects in Normal Humans: Dose and ApoE Genotype. Anesthesia and Analgesia, 2008, 106, 347.	2.2	8

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163	Improving functional magnetic resonance imaging motor studies through simultaneous electromyography recordings. Human Brain Mapping, 2007, 28, 835-845.	3.6	22
164	Brain activity during a motor learning task: An fMRI and skin conductance study. Human Brain Mapping, 2007, 28, 1359-1367.	3.6	28
165	Cerebral cortical processing of swallowing in older adults. Experimental Brain Research, 2006, 176, 12-22.	1.5	109
166	Assessing linear time-invariance in human primary somatosensory cortex with BOLD fMRI using vibrotactile stimuli. Magnetic Resonance in Medicine, 2005, 53, 304-311.	3.0	10
167	Optimizing the experimental design for ankle dorsiflexion fMRI. NeuroImage, 2004, 22, 1619-1627.	4.2	60
168	Cerebral Areas Processing Swallowing and Tongue Movement Are Overlapping but Distinct: A Functional Magnetic Resonance Imaging Study. Journal of Neurophysiology, 2004, 92, 2428-2443.	1.8	252
169	Transient hemodynamics during a breath hold challenge in a two part functional imaging study with simultaneous near-infrared spectroscopy in adult humans. NeuroImage, 2003, 20, 1246-1252.	4.2	59
170	Influence of hypoxia on wavelength dependence of differential pathlength and near-infrared quantification. Physics in Medicine and Biology, 2002, 47, 1573-1589.	3.0	10
171	Neurostructural correlates of retinal microvascular caliber in adolescent bipolar disorder. JCPP Advances, 0, , e12029.	2.4	4