David J Mikulis

List of Publications by Year
in descending order

253 papers	16,772 citations	12330 69 h-index	18647 119 g-index
263 all docs	263 docs citations	263 times ranked	17446 citing authors

#	Article	IF	Citations
1	Progressive Neurodegeneration Across Chronic Stages of Severe Traumatic Brain Injury. Journal of Head Trauma Rehabilitation, 2022, 37, E144-E156.	1.7	8
2	The Physiological Basis of Cerebrovascular Measurements. Neuromethods, 2022, , 1-18.	0.3	1
3	Functional brain activity constrained by structural connectivity reveals cohort-specific features for serum neurofilament light chain. Communications Medicine, 2022, 2, .	4.2	2
4	Brain Connectivity Changes in Post-Concussion Syndrome as the Neural Substrate of a Heterogeneous Syndrome. Brain Connectivity, 2022, , .	1.7	2
5	Does breathing pattern affect cerebrovascular reactivity?. Experimental Physiology, 2022, 107, 183-191.	2.0	0
6	Association of Iatrogenic Infarcts With Clinical and Cognitive Outcomes in the Evaluating Neuroprotection in Aneurysm Coiling Therapy Trial. Neurology, 2022, 98, e1446-e1458.	1.1	6
7	Assessing Cerebrovascular Resistance in Patients With Sickle Cell Disease. Frontiers in Physiology, 2022, 13, 847969.	2.8	3
8	Investigating the use of plasma pTau181 in retired contact sports athletes. Journal of Neurology, 2022, 269, 5582-5595.	3.6	4
9	Misleading Public Statements About COVID-19. Journal of the American College of Radiology, 2021, 18, 6-7.	1.8	0
10	A Promising Subject-Level Classification Model for Acute Concussion Based on Cerebrovascular Reactivity Metrics. Journal of Neurotrauma, 2021, 38, 1036-1047.	3.4	12
11	Standardizing T1-w/T2-w ratio images in trigeminal neuralgia to estimate the degree of demyelination in vivo. NeuroImage: Clinical, 2021, 32, 102798.	2.7	5
12	Regional brain morphology predicts pain relief in trigeminal neuralgia. NeuroImage: Clinical, 2021, 31, 102706.	2.7	9
13	The value of a shorter-delay arterial spin labeling protocol for detecting cerebrovascular impairment. Quantitative Imaging in Medicine and Surgery, 2021, 11, 608-619.	2.0	5
14	Control of Cerebral Blood Flow by Blood Gases. Frontiers in Physiology, 2021, 12, 640075.	2.8	19
15	Cerebrovascular Reactivity: Purpose, Optimizing Methods, and Limitations to Interpretation â€“ A Personal 20-Year Odyssey of (Re)searching. Frontiers in Physiology, 2021, 12, 629651.	2.8	23
16	Parkinsonism as a Sequela of SARSâ€CoVâ€2 Infection: Pure Hypoxic Injury or Additional COVIDâ€19â€Related Response?. Movement Disorders, 2021, 36, 1483-1484.	3.9	17
17	The Reproducibility of Cerebrovascular Reactivity Across MRI Scanners. Frontiers in Physiology, 2021, 12, 668662.	2.8	11
18	The Effect of CO2 on Resting-State Functional Connectivity: Isocapnia vs. Poikilocapnia. Frontiers in Physiology, 2021, 12, 639782.	2.8	2

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19	Normal BOLD Response to a Step CO2 Stimulus After Correction for Partial Volume Averaging. Frontiers in Physiology, 2021, 12, 639360.	2.8	0
20	Measuring Cerebrovascular Reactivity: Sixteen Avoidable Pitfalls. Frontiers in Physiology, 2021, 12, 665049.	2.8	8
21	Roadmap Consensus on Carotid Artery Plaque Imaging and Impact on Therapy Strategies and Guidelines: An International, Multispecialty, Expert Review and Position Statement. American Journal of Neuroradiology, 2021, 42, 1566-1575.	2.4	25
22	Cerebrovascular reactivity changes in acute concussion: a controlled cohort study. Quantitative Imaging in Medicine and Surgery, 2021, 11, 4530-4542.	2.0	3
23	Current Concepts in Intracranial Interstitial Fluid Transport and the Glymphatic System: Part Iâ€"Anatomy and Physiology. Radiology, 2021, 301, 502-514.	7.3	31
24	Current Concepts in Intracranial Interstitial Fluid Transport and the Glymphatic System: Part Iiâ€"Imaging Techniques and Clinical Applications. Radiology, 2021, 301, 516-532.	7.3	42
25	Perfusion MRI using endogenous deoxyhemoglobin as a contrast agent: Preliminary data. Magnetic Resonance in Medicine, 2021, 86, 3012-3021.	3.0	17
26	Wallerian Degeneration of the Cerebral Peduncle and Association with Motor Outcome in Childhood Stroke. Pediatric Neurology, 2020, 102, 67-73.	2.1	6
27	Trigeminal neuralgia associated with a solitary pontine lesion: clinical and neuroimaging definition of a new syndrome. Pain, 2020, 161, 916-925.	4.2	23
28	Magnetic Resonance Imaging Criteria for Post-Concussion Syndrome: A Study of 127 Post-Concussion Syndrome Patients. Journal of Neurotrauma, 2020, 37, 1190-1196.	3.4	17
29	Cerebrovascular Reactivity Assays Collateral Function in Carotid Stenosis. Frontiers in Physiology, 2020, 11, 1031.	2.8	10
30	Accelerated ethanol elimination via the lungs. Scientific Reports, 2020, 10, 19249.	3.3	1
31	L-arginine effects on cerebrovascular reactivity, perfusion and neurovascular coupling in MELAS (mitochondrial encephalomyopathy with lactic acidosis and stroke-like episodes) syndrome. PLoS ONE, 2020, 15, e0238224.	2.5	16
32	Sex-specific differences in resting-state functional connectivity of large-scale networks in postconcussion syndrome. Scientific Reports, 2020, 10, 21982.	3.3	9
33	Slowed Temporal and Parietal Cerebrovascular Response in Patients with Alzheimerâ€™s Disease. Canadian Journal of Neurological Sciences, 2020, 47, 366-373.	0.5	18
34	Interaction of APOE4 alleles and PET tau imaging in former contact sport athletes. NeuroImage: Clinical, 2020, 26, 102212.	2.7	15
35	Sickle Cell Cerebrovascular Reactivity to a CO2 Stimulus Is Both Too Little and Too Slow. Blood, 2020, 136, 55-55.	1.4	1
36	Safety assessment of spine MRI in deep brain stimulation patients. Journal of Neurosurgery: Spine, 2020, 32, 973-983.	1.7	6

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37	Diagnostic Impact of Intracranial Vessel Wall MRI in 205 Patients with Ischemic Stroke or TIA. American Journal of Neuroradiology, 2019, 40, 1701-1706.	2.4	21
38	Comprehensive Neuropsychiatric and Cognitive Characterization of Former Professional Football Players: Implications for Neurorehabilitation. Frontiers in Neurology, 2019, 10, 712.	2.4	10
39	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
40	The efficiency of the brain connectome is associated with cerebrovascular reactivity in persons with white matter hyperintensities. Human Brain Mapping, 2019, 40, 3647-3656.	3.6	8
41	Elevated cerebrospinal fluid total tau in former professional athletes with multiple concussions. Neurology, 2019, 92, e2717-e2726.	1.1	16
42	Cerebrovascular Resistance in Healthy Aging and Mild Cognitive Impairment. Frontiers in Aging Neuroscience, 2019, 11, 79.	3.4	23
43	Improved White Matter Cerebrovascular Reactivity after Revascularization in Patients with Steno-Occlusive Disease. American Journal of Neuroradiology, 2019, 40, 45-50.	2.4	21
44	Can microstructural MRI detect subclinical tissue injury in subjects with asymptomatic cervical spinal cord compression? A prospective cohort study. BMJ Open, 2018, 8, e019809.	1.9	69
45	Decreased Number of Self-Paced Saccades in Post-Concussion Syndrome Associated with Higher Symptom Burden and Reduced White Matter Integrity. Journal of Neurotrauma, 2018, 35, 719-729.	3.4	36
46	Carotid Artery Wall Imaging: Perspective and Guidelines from the ASNR Vessel Wall Imaging Study Group and Expert Consensus Recommendations of the American Society of Neuroradiology. American Journal of Neuroradiology, 2018, 39, E9-E31.	2.4	213
47	Arterial Wall Imaging in Pediatric Stroke. Stroke, 2018, 49, 891-898.	2.0	31
48	Measurement of Cerebrovascular Reactivity as Blood Oxygen Level-Dependent Magnetic Resonance Imaging Signal Response to a Hypercapnic Stimulus in Mechanically Ventilated Patients. Journal of Stroke and Cerebrovascular Diseases, 2018, 27, 301-308.	1.6	16
49	Evaluation of Cerebrovascular Reactivity in Subjects with and without Obstructive Sleep Apnea. Journal of Stroke and Cerebrovascular Diseases, 2018, 27, 162-168.	1.6	14
50	The relationship between brain atrophy and cognitive-behavioural symptoms in retired Canadian football players with multiple concussions. NeuroImage: Clinical, 2018, 19, 551-558.	2.7	37
51	Hypoxia Detection in Infiltrative Astrocytoma: Ferumoxytol-based Quantitative BOLD MRI with Intraoperative and Histologic Validation. Radiology, 2018, 288, 821-829.	7.3	11
52	PET/CT of Dementia. American Journal of Roentgenology, 2018, 211, 246-259.	2.2	18
53	Long-term changes in cerebrovascular reactivity following EC-IC bypass for intracranial steno-occlusive disease. Journal of Clinical Neuroscience, 2018, 54, 77-82.	1.5	9
54	Monitoring for myelopathic progression with multiparametric quantitative MRI. PLoS ONE, 2018, 13, e0195733.	2.5	57

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55	Patient-Specific Alterations in CO2 Cerebrovascular Responsiveness in Acute and Sub-Acute Sports-Related Concussion. Frontiers in Neurology, 2018, 9, 23.	2.4	43
56	Importance of Collateralization in Patients With Large Artery Intracranial Occlusive Disease: Long-Term Longitudinal Assessment of Cerebral Hemodynamic Function. Frontiers in Neurology, 2018, 9, 226.	2.4	8
57	The aging brain and cerebrovascular reactivity. NeuroImage, 2018, 181, 132-141.	4.2	53
58	Magnetic Resonance Imagingâ€"Based Cerebrovascular Reactivity and Hemodynamic Reserve. Stroke, 2018, 49, 2011-2018.	2.0	67
59	Cerebrovascular Resistance: The Basis of Cerebrovascular Reactivity. Frontiers in Neuroscience, 2018, 12, 409.	2.8	33
60	Impact of white matter hyperintensities on surrounding white matter tracts. Neuroradiology, 2018, 60, 933-944.	2.2	31
61	Congenital Cervical Fusion as a Risk Factor for Development of Degenerative Cervical Myelopathy. World Neurosurgery, 2017, 100, 531-539.	1.3	30
62	Cerebrovascular Reactivity and Intellectual Outcome in Childhood Stroke With Transient Cerebral Arteriopathy. Pediatric Neurology, 2017, 69, 71-78.	2.1	10
63	Invalidation of fMRI experiments secondary to neurovascular uncoupling in patients with cerebrovascular disease. Journal of Magnetic Resonance Imaging, 2017, 46, 1448-1455.	3.4	21
64	MRI-Based Neuroanatomical Predictors of Dysphagia, Dysarthria, and Aphasia in Patients with First Acute Ischemic Stroke. Cerebrovascular Diseases Extra, 2017, 7, 21-34.	1.5	43
65	A Novel MRI Biomarker of Spinal Cord White Matter Injury: T2*-Weighted White Matter to Gray Matter Signal Intensity Ratio. American Journal of Neuroradiology, 2017, 38, 1266-1273.	2.4	64
66	Brain Resting-State Functional Connectivity Is Preserved Under Sevoflurane Anesthesia in Patients with Pervasive Developmental Disorders: A Pilot Study. Brain Connectivity, 2017, 7, 250-257.	1.7	12
67	Clinically Feasible Microstructural MRI to Quantify Cervical Spinal Cord Tissue Injury Using DTI, MT, and T2*-Weighted Imaging: Assessment of Normative Data and Reliability. American Journal of Neuroradiology, 2017, 38, 1257-1265.	2.4	62
68	Assessing cerebrovascular reactivity by the pattern of response to progressive hypercapnia. Human Brain Mapping, 2017, 38, 3415-3427.	3.6	41
69	3-Tesla MRI in patients with fully implanted deep brain stimulation devices: a preliminary study in 10 patients. Journal of Neurosurgery, 2017, 127, 892-898.	1.6	30
70	Antioxidants Taken Orally prior to Diagnostic Radiation Exposure Can Prevent DNA Injury. Journal of Vascular and Interventional Radiology, 2017, 28, 406-411.	0.5	25
71	Impact of Baseline Magnetic Resonance Imaging on Neurologic, Functional, and Safety Outcomes in Patients With Acute Traumatic Spinal Cord Injury. Global Spine Journal, 2017, 7, 151S-174S.	2.3	35
72	The role of vascular resistance in BOLD responses to progressive hypercapnia. Human Brain Mapping, 2017, 38, 5590-5602.	3.6	31

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73	High-Resolution Vessel Wall MRI. Clinical Neuroradiology, 2017, 27, 105-108.	1.9	14
74	Intracranial Vessel Wall MRI: Principles and Expert Consensus Recommendations of the American Society of Neuroradiology. American Journal of Neuroradiology, 2017, 38, 218-229.	2.4	457
75	Longitudinal Study of Postconcussion Syndrome: Not Everyone Recovers. Journal of Neurotrauma, 2017, 34, 1511-1523.	3.4	205
76	Visual Scanning Behaviour during a Visual Search Task: An Objective Indicator of White Matter Integrity in Patients with Post-Concussion Syndrome. , 2017, , .		0
77	A Novel Stress-Diathesis Model to Predict Risk of Post-operative Delirium: Implications for Intra-operative Management. Frontiers in Aging Neuroscience, 2017, 9, 274.	3.4	18
78	Evolution of blood-brain-barrier permeability after acute ischemic stroke. PLoS ONE, 2017, 12, e0171558.	2.5	127
79	Intracranial Vessel Wall MRI. Topics in Magnetic Resonance Imaging, 2016, 25, 41-47.	1.2	7
80	Neuroimaging Assessment of Cerebrovascular Reactivity in Concussion: Current Concepts, Methodological Considerations, and Review of the Literature. Frontiers in Neurology, 2016, 7, 61.	2.4	76
81	Longitudinal Brain Magnetic Resonance Imaging CO2 Stress Testing in Individual Adolescent Sports-Related Concussion Patients:â€‰A Pilot Study. Frontiers in Neurology, 2016, 7, 107.	2.4	32
82	Traumatic Brain Injury in Spinal Cord Injury: Frequency and Risk Factors. Journal of Head Trauma Rehabilitation, 2016, 31, E33-E42.	1.7	24
83	Noninvasive Measurement of Cerebral Blood Flow Under Anesthesia Using Arterial Spin Labeling MRI: A Pilot Study. Journal of Neurosurgical Anesthesiology, 2016, 28, 331-336.	1.2	14
84	Impaired dynamic cerebrovascular response to hypercapnia predicts development of white matter hyperintensities. NeuroImage: Clinical, 2016, 11, 796-801.	2.7	41
85	Development of White Matter Hyperintensity Is Preceded by Reduced Cerebrovascular Reactivity. Annals of Neurology, 2016, 80, 277-285.	5.3	87
86	Vascular Dysfunction in Leukoaraiosis. American Journal of Neuroradiology, 2016, 37, 2258-2264.	2.4	34
87	Cerebrovascular reactivity and white matter integrity. Neurology, 2016, 87, 2333-2339.	1.1	39
88	Magnetic resonance imaging assessment of degenerative cervical myelopathy: a review of structural changes and measurement techniques. Neurosurgical Focus, 2016, 40, E5.	2.3	139
89	The association between white-matter tract abnormalities, and neuropsychiatric and cognitive symptoms in retired professional football players with multiple concussions. Journal of Neurology, 2016, 263, 1332-1341.	3.6	65
90	Diffusion tensor imaging assessment of microstructural brainstem integrity in Chiari malformation Type I. Journal of Neurosurgery, 2016, 125, 1112-1119.	1.6	33

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91	Identifying Significant Changes in Cerebrovascular Reactivity to Carbon Dioxide. American Journal of Neuroradiology, 2016, 37, 818-824.	2.4	45
92	Translating state-of-the-art spinal cord MRI techniques to clinical use: A systematic review of clinical studies utilizing DTI, MT, MWF, MRS, and fMRI. NeuroImage: Clinical, 2016, 10, 192-238.	2.7	173
93	Brain magnetic resonance imaging CO2 stress testing in adolescent postconcussion syndrome. Journal of Neurosurgery, 2016, 125, 648-660.	1.6	69
94	Cerebral Infections. , 2016, , 135-142.		0
95	Illuminating Awareness: Implications of fMRI Research in Disorders of Consciousness. Canadian Journal of Neurological Sciences, 2015, 42, 211-212.	0.5	0
96	Evolution of bloodâ€“brain barrier damage associated with changes in brain metabolites following acute ischemia. NeuroReport, 2015, 26, 945-951.	1.2	7
97	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
98	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
99	Early Identification of Brain Tissue at Risk for Delayed Cerebral Ischemia After Aneurysmal Subarachnoid Hemorrhage. Acta Neurochirurgica Supplementum, 2015, 120, 105-109.	1.0	6
100	Assessing the effect of unilateral cerebral revascularisation on the vascular reactivity of the non-intervened hemisphere: a retrospective observational study. BMJ Open, 2015, 5, e006014-e006014.	1.9	41
101	The dynamics of cerebrovascular reactivity shown with transfer function analysis. NeuroImage, 2015, 114, 207-216.	4.2	73
102	Measuring Cerebrovascular Reactivity: The Dynamic Response to a Step Hypercapnic Stimulus. Journal of Cerebral Blood Flow and Metabolism, 2015, 35, 1746-1756.	4.3	88
103	Assessing Cerebrovascular Reactivity Abnormality by Comparison to a Reference Atlas. Journal of Cerebral Blood Flow and Metabolism, 2015, 35, 213-220.	4.3	79
104	Role of Magnetic Resonance Imaging in Predicting Surgical Outcome in Patients With Cervical Spondylotic Myelopathy. Spine, 2015, 40, 171-178.	2.0	87
105	Diffusion Tensor Imaging of Pedophilia. Archives of Sexual Behavior, 2015, 44, 2161-2172.	1.9	29
106	Dynamic contrast-enhanced MRI and CT provide comparable measurement of bloodâ€“brain barrier permeability in a rodent stroke model. Magnetic Resonance Imaging, 2015, 33, 1007-1012.	1.8	11
107	Spinal Cord Segmentation by One Dimensional Normalized Template Matching: A Novel, Quantitative Technique to Analyze Advanced Magnetic Resonance Imaging Data. PLoS ONE, 2015, 10, e0139323.	2.5	7
108	Brain MRI CO2 Stress Testing: A Pilot Study in Patients with Concussion. PLoS ONE, 2014, 9, e102181.	2.5	38

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109	Chronic traumatic encephalopathy and other neurodegenerative proteinopathies. Frontiers in Human Neuroscience, 2014, 8, 30.	2.0	51
110	Scale and pattern of atrophy in the chronic stages of moderate-severe TBI. Frontiers in Human Neuroscience, 2014, 8, 67.	2.0	70
111	Is there evidence for neurodegenerative change following traumatic brain injury in children and youth? A scoping review. Frontiers in Human Neuroscience, 2014, 8, 139.	2.0	54
112	Missed diagnosis of traumatic brain injury in patients with traumatic spinal cord injury. Journal of Rehabilitation Medicine, 2014, 46, 370-373.	1.1	35
113	Vessel Wall Magnetic Resonance Imaging in Acute Ischemic Stroke. Stroke, 2014, 45, 2330-2334.	2.0	86
114	BOLD MRI and early impairment of cerebrovascular reserve after aneurysmal subarachnoid hemorrhage. Journal of Magnetic Resonance Imaging, 2014, 40, 972-979.	3.4	12
115	Intra-vascular blood velocity and volumetric flow rate calculated from dynamic 4D CT angiography using a time of flight technique. International Journal of Cardiovascular Imaging, 2014, 30, 1383-1392.	1.5	15
116	Reduced Contralateral Cerebrovascular Reserve in Patients with Unilateral Steno-Occlusive Disease. Cerebrovascular Diseases, 2014, 38, 94-100.	1.7	30
117	Novel EEG pattern associated with impaired cerebrovascular reserve in Moyamoya disease. Clinical Neurophysiology, 2014, 125, 422-425.	1.5	5
118	Are acute infarcts the cause of leukoaraiosis? Brain mapping for 16 consecutive weeks. Annals of Neurology, 2014, 76, 899-904.	5.3	71
119	Longitudinal quantitative MRI in multiple system atrophy and progressive supranuclear palsy. Parkinsonism and Related Disorders, 2014, 20, 222-225.	2.2	25
120	A conceptual model for CO2-induced redistribution of cerebral blood flow with experimental confirmation using BOLD MRI. NeuroImage, 2014, 92, 56-68.	4.2	126
121	Cerebral Blood Flow Abnormalities in Children With Sickle Cell Disease: A Systematic Review. Pediatric Neurology, 2013, 48, 188-199.	2.1	17
122	Measuring cerebrovascular reactivity: what stimulus to use?. Journal of Physiology, 2013, 591, 5809-5821.	2.9	248
123	High-grade intracranial chondrosarcoma presenting with haemorrhage. Journal of Clinical Neuroscience, 2013, 20, 1457-1460.	1.5	7
124	CO₂Blood Oxygen Levelâ€“dependent MR Mapping of Cerebrovascular Reserve in a Clinical Population: Safety, Tolerability, and Technical Feasibility. Radiology, 2013, 266, 592-598.	7.3	126
125	Chronic Neurovascular Uncoupling Syndrome. Stroke, 2013, 44, S55-7.	2.0	15
126	Moderateâ€“severe traumatic brain injury causes delayed loss of white matter integrity: Evidence of fornix deterioration in the chronic stage of injury. Brain Injury, 2013, 27, 1415-1422.	1.2	49

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127	Intracranial Vasa Vasorum: Insights and Implications for Imaging. Radiology, 2013, 267, 667-679.	7.3	163
128	Vessel Wall Magnetic Resonance Imaging Identifies the Site of Rupture in Patients With Multiple Intracranial Aneurysms. Neurosurgery, 2013, 72, 492-496.	1.1	191
129	Predictors of Surgical Outcome in Cervical Spondylotic Myelopathy. Spine, 2013, 38, 392-400.	2.0	84
130	The Value of GRE, ADC and Routine MRI in Distinguishing Parkinsonian Disorders. Canadian Journal of Neurological Sciences, 2013, 40, 389-402.	0.5	27
131	Reliability of Quantitative Magnetic Resonance Imaging Methods in the Assessment of Spinal Canal Stenosis and Cord Compression in Cervical Myelopathy. Spine, 2013, 38, 245-252.	2.0	47
132	Environmental enrichment may protect against hippocampal atrophy in the chronic stages of traumatic brain injury. Frontiers in Human Neuroscience, 2013, 7, 506.	2.0	46
133	Cerebrovascular reactivity and implications for understanding the pathophysiology of multiple sclerosis. FASEB Journal, 2013, 27, 1121.3.	0.5	0
134	Cerebrovascular Reactivity to Carbon Dioxide: A Theoretical Examination. FASEB Journal, 2013, 27, 1121.4.	0.5	0
135	Volume specific response criteria for brain metastases following salvage stereotactic radiosurgery and associated predictors of response. Acta OncolÃ³gica, 2012, 51, 629-635.	1.8	31
136	AIRP Best Cases in Radiologic-Pathologic Correlation: Spinal Conus Dermoid Cyst with Lipid Dissemination. Radiographics, 2012, 32, 1215-1221.	3.3	12
137	An en bloc approach to CT perfusion for the evaluation of limb ischemia. International Journal of Cardiovascular Imaging, 2012, 28, 2073-2083.	1.5	10
138	Cerebral Infections. , 2012, , 107-114.		0
139	Therapeutic Benefit of Internet-Based Lifestyle Counselling for Hypertension. Canadian Journal of Cardiology, 2012, 28, 390-396.	1.7	44
140	Vessel Wall MRI to Differentiate Between Reversible Cerebral Vasoconstriction Syndrome and Central Nervous System Vasculitis. Stroke, 2012, 43, 860-862.	2.0	215
141	Safety and efficacy of NA-1 in patients with iatrogenic stroke after endovascular aneurysm repair (ENACT): a phase 2, randomised, double-blind, placebo-controlled trial. Lancet Neurology, The, 2012, 11, 942-950.	10.2	351
142	Plasticity of the Injured Human Spinal Cord: Insights Revealed by Spinal Cord Functional MRI. PLoS ONE, 2012, 7, e45560.	2.5	50
143	Approaches to Brain Stress Testing: BOLD Magnetic Resonance Imaging with Computer-Controlled Delivery of Carbon Dioxide. PLoS ONE, 2012, 7, e47443.	2.5	41
144	Measuring Permeability in Acute Ischemic Stroke. Neuroimaging Clinics of North America, 2011, 21, 315-325.	1.0	26

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145	Posterior Fossa Measurements in Patients With and Without Chiari I Malformation. Canadian Journal of Neurological Sciences, 2011, 38, 452-455.	0.5	43
146	Investigating Agenesis of the Corpus Callosum Using Functional MRI: A Study Examining Interhemispheric Coordination of Motor Control. , 2011, 21, 65-68.		9
147	Severely impaired cerebrovascular reserve in patients with cerebral proliferative angiopathy. Journal of Neurosurgery: Pediatrics, 2011, 8, 310-315.	1.3	39
148	Eccentric Narrowing and Enhancement of Symptomatic Middle Cerebral Artery Stenoses in Patients With Recent Ischemic Stroke. Archives of Neurology, 2011, 68, 338-42.	4.5	52
149	Quantitative Measurement of Cerebrovascular Reactivity by Blood Oxygen Level-Dependent MR Imaging in Patients with Intracranial Stenosis: Preoperative Cerebrovascular Reactivity Predicts the Effect of Extracranial-Intracranial Bypass Surgery. American Journal of Neuroradiology, 2011, 32, 721-727.	2.4	80
150	The Effect of Hypercarbia and Hyperoxia on the Total Blood Flow to the Retina as Assessed by Magnetic Resonance Imaging. , 2011, 52, 6867.		13
151	Fibrous Cap Enhancement in Symptomatic Atherosclerotic Basilar Artery Stenosis. Archives of Neurology, 2011, 68, 676.	4.5	16
152	Three-Dimensional In Vivo Modeling of Vestibular Schwannomas and Surrounding Cranial Nerves With Diffusion Imaging Tractography. Neurosurgery, 2011, 68, 1077-1083.	1.1	74
153	Measurement of Cerebrovascular Reactivity in Pediatric Patients With Cerebral Vasculopathy Using Blood Oxygen Level-Dependent MRI. Stroke, 2011, 42, 1261-1269.	2.0	43
154	Surgical Revascularization Reverses Cerebral Cortical Thinning in Patients With Severe Cerebrovascular Steno-Occlusive Disease. Stroke, 2011, 42, 1631-1637.	2.0	64
155	Impact of Extracranialâ€"Intracranial Bypass on Cerebrovascular Reactivity and Clinical Outcome in Patients With Symptomatic Moyamoya Vasculopathy. Stroke, 2011, 42, 3047-3054.	2.0	74
156	Impaired peri-nidal cerebrovascular reserve in seizure patients with brain arteriovenous malformations. Brain, 2011, 134, 100-109.	7.6	79
157	Conventional MRI as a diagnostic and prognostic tool in spinal cord injury: a systemic review of its application to date and an overview on emerging MRI methods. Expert Opinion on Medical Diagnostics, 2011, 5, 121-133.	1.6	17
158	Diagnostic Value of Peritumoral Minimum Apparent Diffusion Coefficient for Differentiation of Glioblastoma Multiforme From Solitary Metastatic Lesions. American Journal of Roentgenology, 2011, 196, 71-76.	2.2	130
159	Mesial temporal sclerosis in epilepsy: Figure 1:. Cmaj, 2011, 183, E1151-E1151.	2.0	2
160	Anticoagulants in pediatric cerebral sinovenous thrombosis: A safety and outcome study. Annals of Neurology, 2010, 67, 590-599.	5.3	167
161	Blood Velocity Calculated From Volumetric Dynamic Computed Tomography Angiography. Investigative Radiology, 2010, 45, 778-781.	6.2	21
162	Bloodâ€oxygen level dependent MRI measures of cerebrovascular reactivity using a controlled respiratory challenge: Reproducibility and gender differences. Journal of Magnetic Resonance Imaging, 2010, 31, 298-304.	3.4	89

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163	Clinical Evaluation of Stereotactic Target Localization Using 3-Tesla MRI for Radiosurgery Planning. International Journal of Radiation Oncology Biology Physics, 2010, 76, 1472-1479.	0.8	23
164	Quantification of Cerebrovascular Reactivity by Blood Oxygen Levelâ€“Dependent MR Imaging and Correlation with Conventional Angiography in Patients with Moyamoya Disease. American Journal of Neuroradiology, 2010, 31, 862-867.	2.4	63
165	Marked reduction of tremor in essential tremor after putaminal infarct. Journal of Neurology, Neurosurgery and Psychiatry, 2010, 81, 1172-1173.	1.9	5
166	Sensorimotor Cortical Activation in Patients With Cervical Spinal Cord Injury With Persisting Paralysis. Neurorehabilitation and Neural Repair, 2010, 24, 136-140.	2.9	53
167	Impaired Cerebrovascular Reactivity With Steal Phenomenon Is Associated With Increased Diffusion in White Matter of Patients With Moyamoya Disease. Stroke, 2010, 41, 1610-1616.	2.0	90
168	Reduced gray matter in the anterior cingulate gyrus in familial schizophrenia: A preliminary report. Schizophrenia Research, 2010, 122, 81-84.	2.0	10
169	Voxel-based morphometry and automated lobar volumetry: The trade-off between spatial scale and statistical correction. NeuroImage, 2010, 49, 587-596.	4.2	22
170	Intravascular Functional Maps of Common Neurovascular Lesions Derived From Volumetric 4D CT Data. Investigative Radiology, 2010, 45, 370-377.	6.2	8
171	Preliminary Study of Mapping Brain ATP and Brain pH Using Multivoxel 31P MR Spectroscopy. IFMBE Proceedings, 2009, , 362-365.	0.3	2
172	The contribution of imaging in diagnosis, preoperative assessment, and follow-up of moyamoya disease. Neurosurgical Focus, 2009, 26, E3.	2.3	43
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