Leif Ã˜stergaard

List of Publications by Year
in descending order

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255	19,578	10389	12946
papers	citations	72 h-index	131 g-index

271	271	271	16035
all docs	docs citations	times ranked	citing authors

#	Article	IF	Citations
1	Comprehensive Evaluation of Cerebral Hemodynamics and Oxygen Metabolism in Revascularization of Asymptomatic High-Grade Carotid Stenosis. Clinical Neuroradiology, 2022, 32, 163-173.	1.9	3
2	Diffusion time dependence, power-law scaling, and exchange in gray matter. NeuroImage, 2022, 251, 118976.	4.2	34
3	Capillary function progressively deteriorates in prodromal Alzheimerâ€™s disease: A longitudinal MRI perfusion study. Aging Brain, 2022, 2, 100035.	1.3	4
4	Modeling the measurement bias in interstitial glucose concentrations derived from microdialysis in skeletal muscle. Physiological Reports, 2022, 10, e15252.	1.7	1
5	Altered Cerebral Microstructure in Adults With Atrial Septal Defect and Ventricular Septal Defect Repaired in Childhood. Journal of the American Heart Association, 2022, 11, .	3.7	1
6	Quantification of Capillary Perfusion in an Animal Model of Acute Intracranial Hypertension. Journal of Neurotrauma, 2021, 38, 446-454.	3.4	5
7	Microstructural changes in the brain after longâ€term postâ€concussion symptoms: A randomized trial. Journal of Neuroscience Research, 2021, 99, 872-886.	2.9	3
8	Optical coherence tomography of arteriolar diameter and capillary perfusion during spreading depolarizations. Journal of Cerebral Blood Flow and Metabolism, 2021, 41, 2256-2263.	4.3	4
9	SARS CoVâ€2 related microvascular damage and symptoms during and after COVIDâ€19: Consequences of capillary transitâ€time changes, tissue hypoxia and inflammation. Physiological Reports, 2021, 9, e14726.	1.7	193
10	Abnormal Leftâ€Hemispheric Sulcal Patterns in Adults With Simple Congenital Heart Defects Repaired in Childhood. Journal of the American Heart Association, 2021, 10, e018580.	3.7	8
11	Impaired cerebral microcirculation in isolated REM sleep behaviour disorder. Brain, 2021, 144, 1498-1508.	7.6	6
12	Beyond the diffusion standard model in fixed rat spinal cord with combined linear and planar encoding. NeuroImage, 2021, 231, 117849.	4.2	9
13	Metabolic MRI with hyperpolarized [1-¹³C]pyruvate separates benign oligemia from infarcting penumbra in porcine stroke. Journal of Cerebral Blood Flow and Metabolism, 2021, 41, 2916-2927.	4.3	10
14	The Ambibaric Brain: Pathophysiological and Clinical Implications. Stroke, 2021, 52, e259-e262.	2.0	10
15	Arterial stiffness and progression of cerebral white matter hyperintensities in patients with type 2 diabetes and matched controls: a 5-year cohort study. Diabetology and Metabolic Syndrome, 2021, 13, 71.	2.7	5
16	Cerebral Macro- and Microcirculation during Ephedrine versus Phenylephrine Treatment in Anesthetized Brain Tumor Patients: A Randomized Clinical Trial Using Magnetic Resonance Imaging. Anesthesiology, 2021, 135, 788-803.	2.5	20
17	Cerebral hemodynamics and capillary dysfunction in late-onset major depressive disorder. Psychiatry Research - Neuroimaging, 2021, 317, 111383.	1.8	8
18	A new experimental mouse model of water intoxication with sustained increased intracranial pressure and mild hyponatremia without side effects of antidiuretics. Experimental Animals, 2020, 69, 92-103.	1.1	3

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19	Kroghâ€™s capillary recruitment hypothesis, 100 years on: Is the opening of previously closed capillaries necessary to ensure muscle oxygenation during exercise?. American Journal of Physiology - Heart and Circulatory Physiology, 2020, 318, H425-H447.	3.2	18
20	Effects of Vasopressors on Cerebral Circulation and Oxygenation: A Narrative Review of Pharmacodynamics in Health and Traumatic Brain Injury. Journal of Neurosurgical Anesthesiology, 2020, 32, 18-28.	1.2	20
21	Statin Therapy and Risk of Polyneuropathy in Type 2 Diabetes: A Danish Cohort Study. Diabetes Care, 2020, 43, 2945-2952.	8.6	18
22	Blood flow, capillary transit times, and tissue oxygenation: the centennial of capillary recruitment. Journal of Applied Physiology, 2020, 129, 1413-1421.	2.5	47
23	Noninvasive Characterization of Tumor Angiogenesis and Oxygenation in Bevacizumab-treated Recurrent Glioblastoma by Using Dynamic Susceptibility MRI: Secondary Analysis of the European Organization for Research and Treatment of Cancer 26101 Trial. Radiology, 2020, 297, 164-175.	7.3	19
24	August Krogh: physiology genius and compassionate humanitarian. Journal of Physiology, 2020, 598, 4423-4424.	2.9	2
25	August Krogh's theory of muscle microvascular control and oxygen delivery: a paradigm shift based on new data. Journal of Physiology, 2020, 598, 4473-4507.	2.9	33
26	Sural Nerve Perfusion in Mice. Frontiers in Neuroscience, 2020, 14, 579373.	2.8	0
27	Neuropsychological Status and Structural Brain Imaging in Adults With Simple Congenital Heart Defects Closed in Childhood. Journal of the American Heart Association, 2020, 9, e015843.	3.7	35
28	Impaired perfusion and capillary dysfunction in prodromal Alzheimer's disease. Alzheimer's and Dementia: Diagnosis, Assessment and Disease Monitoring, 2020, 12, e12032.	2.4	18
29	Theophylline as an Add-On to Thrombolytic Therapy in Acute Ischemic Stroke. Stroke, 2020, 51, 1983-1990.	2.0	7
30	Ephedrine versus Phenylephrine Effect on Cerebral Blood Flow and Oxygen Consumption in Anesthetized Brain Tumor Patients. Anesthesiology, 2020, 133, 304-317.	2.5	30
31	APOE gene-dependent BOLD responses to a breath-hold across the adult lifespan. NeuroImage: Clinical, 2019, 24, 101955.	2.7	2
32	Preventing dementia by preventing stroke: The Berlin Manifesto. Alzheimer's and Dementia, 2019, 15, 961-984.	0.8	200
33	Comparison of classification methods for tissue outcome after ischaemic stroke. European Journal of Neuroscience, 2019, 50, 3590-3598.	2.6	5
34	Individualized quantification of the benefit from reperfusion therapy using stroke predictive models. European Journal of Neuroscience, 2019, 50, 3251-3260.	2.6	0
35	Special topic section: linkages among cerebrovascular, cardiovascular, and cognitive disorders: Preventing dementia by preventing stroke: The Berlin Manifesto. International Journal of Stroke, 2019, , 174749301987191.	5.9	13
36	Oxygenation differs among white matter hyperintensities, intersected fiber tracts and unaffected white matterâ€. Brain Communications, 2019, 1, fcz033.	3.3	21

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37	Robust estimation of hemo-dynamic parameters in traditional DCE-MRI models. PLoS ONE, 2019, 14, e0209891.	2.5	6
38	Capillary flow disturbances after experimental subarachnoid hemorrhage: A contributor to delayed cerebral ischemia?. Microcirculation, 2019, 26, e12516.	1.8	30
39	The evidence for the physiological effects ofÂlactate on the cerebral microcirculation: aÂsystematic review. Journal of Neurochemistry, 2019, 148, 712-730.	3.9	16
40	Acute reperfusion without recanalization: Serial assessment of collaterals within 6â€‰h of using perfusion-weighted magnetic resonance imaging. Journal of Cerebral Blood Flow and Metabolism, 2019, 39, 251-259.	4.3	11
41	More homogeneous capillary flow and oxygenation in deeper cortical layers correlate with increased oxygen extraction. ELife, 2019, 8, .	6.0	68
42	The effects of capillary transit time heterogeneity on the BOLD signal. Human Brain Mapping, 2018, 39, 2329-2352.	3.6	13
43	The effects of hypercapnia on cortical capillary transit time heterogeneity (CTH) in anesthetized mice. Journal of Cerebral Blood Flow and Metabolism, 2018, 38, 290-303.	4.3	19
44	Noninvasive assessment of isocitrate dehydrogenase mutation status in cerebral gliomas by magnetic resonance spectroscopy in a clinical setting. Journal of Neurosurgery, 2018, 128, 391-398.	1.6	62
45	Disturbances in the control of capillary flow in an aged APPswe/PS1Î”E9 model of Alzheimer's disease. Neurobiology of Aging, 2018, 62, 82-94.	3.1	30
46	Diffusion MRI findings in patients with extensive and minimal post-concussion symptoms after mTBI and healthy controls: a cross sectional study. Brain Injury, 2018, 32, 91-98.	1.2	9
47	Transit time homogenization in ischemic stroke â€“ A novel biomarker of penumbral microvascular failure?. Journal of Cerebral Blood Flow and Metabolism, 2018, 38, 2006-2020.	4.3	29
48	The Danish High Risk and Resilience Studyâ€”VIA 11: Study Protocol for the First Follow-Up of the VIA 7 Cohort â^'522 Children Born to Parents With Schizophrenia Spectrum Disorders or Bipolar Disorder and Controls Being Re-examined for the First Time at Age 11. Frontiers in Psychiatry, 2018, 9, 661.	2.6	27
49	Bayesian modeling of Dynamic Contrast Enhanced MRI data in cerebral glioma patients improves the diagnostic quality of hemodynamic parameter maps. PLoS ONE, 2018, 13, e0202906.	2.5	9
50	Collateral circulation assessment within the 4.5â€¯h time window in patients with and without DWI/FLAIR MRI mismatch. Journal of the Neurological Sciences, 2018, 394, 94-98.	0.6	3
51	The effect of carotid artery stenting on capillary transit time heterogeneity in patients with carotid artery stenosis. European Stroke Journal, 2018, 3, 263-271.	5.5	9
52	MRI-Guided Thrombolysis for Stroke with Unknown Time of Onset. New England Journal of Medicine, 2018, 379, 611-622.	27.0	912
53	Stroke infarct volume estimation in fixed tissue: Comparison of diffusion kurtosis imaging to diffusion weighted imaging and histology in a rodent MCAO model. PLoS ONE, 2018, 13, e0196161.	2.5	15
54	Hippocampal Atrophy Following Subarachnoid Hemorrhage Correlates with Disruption of Astrocyte Morphology and Capillary Coverage by AQP4. Frontiers in Cellular Neuroscience, 2018, 12, 19.	3.7	32

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55	Better Diffusion Segmentation in Acute Ischemic Stroke Through Automatic Tree Learning Anomaly Segmentation. Frontiers in Neuroinformatics, 2018, 12, 21.	2.5	35
56	Low on energy? An energy supply-demand perspective on stress and depression. Neuroscience and Biobehavioral Reviews, 2018, 94, 248-270.	6.1	33
57	Assessment of tumor oxygenation and its impact on treatment response in bevacizumab-treated recurrent glioblastoma. Journal of Cerebral Blood Flow and Metabolism, 2017, 37, 485-494.	4.3	32
58	Microstructural changes in the thalamus after mild traumatic brain injury: A longitudinal diffusion and mean kurtosis tensor MRI study. Brain Injury, 2017, 31, 230-236.	1.2	33
59	Schwann cell interactions with axons and microvessels in diabetic neuropathy. Nature Reviews Neurology, 2017, 13, 135-147.	10.1	202
60	Cortical spreading depolarizations in the postresuscitation period in a cardiac arrest male rat model. Journal of Neuroscience Research, 2017, 95, 2040-2050.	2.9	5
61	Reliable estimation of microvascular flow patterns in patients with disrupted bloodâ€“brain barrier using dynamic susceptibility contrast MRI. Journal of Magnetic Resonance Imaging, 2017, 46, 537-549.	3.4	13
62	White matter biomarkers from fast protocols using axially symmetric diffusion kurtosis imaging. NMR in Biomedicine, 2017, 30, e3741.	2.8	37
63	Comparing anesthesia with isoflurane and fentanyl/fluanisone/midazolam in a rat model of cardiac arrest. Journal of Applied Physiology, 2017, 123, 867-875.	2.5	6
64	Capillary dysfunction is associated with symptom severity and neurodegeneration in Alzheimer's disease. Alzheimer's and Dementia, 2017, 13, 1143-1153.	0.8	86
65	Modelâ€based inference from microvascular measurements: Combining experimental measurements and model predictions using a Bayesian probabilistic approach. Microcirculation, 2017, 24, e12343.	1.8	8
66	Effect of ephedrine and phenylephrine on brain oxygenation and microcirculation in anaesthetised patients with cerebral tumours: study protocol for a randomised controlled trial. BMJ Open, 2017, 7, e018560.	1.9	4
67	Increased cortical capillary transit time heterogeneity in Alzheimer's disease: a DSC-MRI perfusion study. Neurobiology of Aging, 2017, 50, 107-118.	3.1	61
68	The Effects of Capillary Transit Time Heterogeneity (CTH) on the Cerebral Uptake of Glucose and Glucose Analogs: Application to FDG and Comparison to Oxygen Uptake. Frontiers in Computational Neuroscience, 2016, 10, 103.	2.1	8
69	Sequential MR Assessment of the Susceptibility Vessel Sign and Arterial Occlusion in Acute Stroke. Journal of Neuroimaging, 2016, 26, 355-359.	2.0	11
70	Theophylline as an add-on to thrombolytic therapy in acute ischaemic stroke (TEA-Stroke): A randomized, double-blinded, placebo-controlled, two-centre phase II study. European Stroke Journal, 2016, 1, 248-254.	5.5	4
71	Automated estimation of salvageable tissue: Comparison with expert readers. Journal of Magnetic Resonance Imaging, 2016, 43, 220-228.	3.4	9
72	Does b1000â€“b0 Mismatch Challenge Diffusion-Weighted Imagingâ€“Fluid Attenuated Inversion Recovery Mismatch in Stroke?. Stroke, 2016, 47, 877-881.	2.0	5

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73	Reduced cerebral cortical thickness in Non-cirrhotic patients with hepatitis C. Metabolic Brain Disease, 2016, 31, 311-319.	2.9	18
74	Cerebral small vessel disease: Capillary pathways to stroke and cognitive decline. Journal of Cerebral Blood Flow and Metabolism, 2016, 36, 302-325.	4.3	211
75	Effect of electrical forepaw stimulation on capillary transit-time heterogeneity (CTH). Journal of Cerebral Blood Flow and Metabolism, 2016, 36, 2072-2086.	4.3	64
76	MRI Assessment of Ischemic Lesion Evolution within White and Gray Matter. Cerebrovascular Diseases, 2016, 41, 291-297.	1.7	7
77	Perfusion and pH MRI in familial hemiplegic migraine with prolonged aura. Cephalalgia, 2016, 36, 279-283.	3.9	17
78	Emerging research areas in need of neurophotonics: report from the 2014 Aarhus Capillary Transit Time Heterogeneity (CTH) meeting. Neurophotonics, 2016, 3, 020401.	3.3	2
79	Capillary Transit Time Heterogeneity Is Associated with Modified Rankin Scale Score at Discharge in Patients with Bilateral High Grade Internal Carotid Artery Stenosis. PLoS ONE, 2016, 11, e0158148.	2.5	16
80	IC-04-01: Cortical capillary dysfunction in patients suspected of Alzheimer's disease. , 2015, 11, P9-P10.		1
81	P4-062: Cortical capillary dysfunction in patients suspected of Alzheimer's disease. , 2015, 11, P790-P791.		0
82	Preserved Cerebral Microcirculation After Cardiac Arrest in a Rat Model. Microcirculation, 2015, 22, 464-474.	1.8	6
83	Early Blood Brain Barrier Changes in Acute Ischemic Stroke: A Sequential MRI Study. Journal of Neuroimaging, 2015, 25, 959-963.	2.0	35
84	Evaluation of Early Reperfusion Criteria in Acute Ischemic Stroke. Journal of Neuroimaging, 2015, 25, 952-958.	2.0	2
85	Perfusion MRI Derived Indices of Microvascular Shunting and Flow Control Correlate with Tumor Grade and Outcome in Patients with Cerebral Glioma. PLoS ONE, 2015, 10, e0123044.	2.5	34
86	Spatially regularized mixture model for lesion segmentation with application to stroke patients. Biostatistics, 2015, 16, 580-595.	1.5	7
87	The Effects of Capillary Transit Time Heterogeneity (CTH) on Brain Oxygenation. Journal of Cerebral Blood Flow and Metabolism, 2015, 35, 806-817.	4.3	78
88	GABA Levels Are Decreased After Stroke and GABA Changes During Rehabilitation Correlate With Motor Improvement. Neurorehabilitation and Neural Repair, 2015, 29, 278-286.	2.9	110
89	Making sense: Dopamine activates conscious selfâ€monitoring through medial prefrontal cortex. Human Brain Mapping, 2015, 36, 1866-1877.	3.6	37
90	The Effects of Transit Time Heterogeneity on Brain Oxygenation during Rest and Functional Activation. Journal of Cerebral Blood Flow and Metabolism, 2015, 35, 432-442.	4.3	56

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91	Validity of Shape as a Predictive Biomarker of Final Infarct Volume in Acute Ischemic Stroke. Stroke, 2015, 46, 976-981.	2.0	15
92	Reperfusion Within 6 Hours Outperforms Recanalization in Predicting Penumbra Salvage, Lesion Growth, Final Infarct, and Clinical Outcome. Stroke, 2015, 46, 1582-1589.	2.0	98
93	Neurovascular Coupling During Cortical Spreading Depolarization and â€“Depression. Stroke, 2015, 46, 1392-1401.	2.0	39
94	The effects of capillary dysfunction on oxygen and glucose extraction in diabetic neuropathy. Diabetologia, 2015, 58, 666-677.	6.3	67
95	Biased visualization of hypoperfused tissue by computed tomography due to short imaging duration: improved classification by image down-sampling and vascular models. European Radiology, 2015, 25, 2080-2088.	4.5	3
96	Spatial distribution of malignant tissue in gliomas: correlations of ¹¹C-L-methionine positron emission tomography and perfusion- and diffusion-weighted magnetic resonance imaging. Acta Radiologica, 2015, 56, 1135-1144.	1.1	19
97	Capillary Dysfunction: Its Detection and Causative Role in Dementias and Stroke. Current Neurology and Neuroscience Reports, 2015, 15, 37.	4.2	68
98	Mean Diffusional Kurtosis in Patients with Glioma: Initial Results with a Fast Imaging Method in a Clinical Setting. American Journal of Neuroradiology, 2015, 36, 1472-1478.	2.4	70
99	Perfusion Magnetic Resonance Imaging: A Comprehensive Update on Principles and Techniques. Korean Journal of Radiology, 2014, 15, 554.	3.4	177
100	Capillary Transit Time Heterogeneity and Flow-Metabolism Coupling after Traumatic Brain Injury. Journal of Cerebral Blood Flow and Metabolism, 2014, 34, 1585-1598.	4.3	114
101	Reliable Estimation of Capillary Transit Time Distributions Using DSC-MRI. Journal of Cerebral Blood Flow and Metabolism, 2014, 34, 1511-1521.	4.3	87
102	Blood Pressure Reduction Does Not Reduce Perihematoma Oxygenation: A CT Perfusion Study. Journal of Cerebral Blood Flow and Metabolism, 2014, 34, 81-86.	4.3	35
103	Assessment of ischemic penumbra in patients with hyperacute stroke using amide proton transfer (APT) chemical exchange saturation transfer (CEST) MRI. NMR in Biomedicine, 2014, 27, 163-174.	2.8	144
104	Influence of Stroke Infarct Location on Functional Outcome Measured by the Modified Rankin Scale. Stroke, 2014, 45, 1695-1702.	2.0	193
105	The role of capillary transit time heterogeneity in myocardial oxygenation and ischemic heart disease. Basic Research in Cardiology, 2014, 109, 409.	5.9	53
106	Remote Ischemic Perconditioning as an Adjunct Therapy to Thrombolysis in Patients With Acute Ischemic Stroke. Stroke, 2014, 45, 159-167.	2.0	242
107	A Multicenter, Randomized, Double-Blind, Placebo-Controlled Trial to Test Efficacy and Safety of Magnetic Resonance Imaging-Based Thrombolysis in Wake-up Stroke (WAKE-UP). International Journal of Stroke, 2014, 9, 829-836.	5.9	130
108	Remote Ischemic Perconditioning in Thrombolysed Stroke Patients: Randomized Study of Activating Endogenous Neuroprotection â€“ Design and MRI Measurements. International Journal of Stroke, 2013, 8, 141-146.	5.9	26

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109	The Role of the Microcirculation in Delayed Cerebral Ischemia and Chronic Degenerative Changes after Subarachnoid Hemorrhage. Journal of Cerebral Blood Flow and Metabolism, 2013, 33, 1825-1837.	4.3	140
110	The capillary dysfunction hypothesis of Alzheimer's disease. Neurobiology of Aging, 2013, 34, 1018-1031.	3.1	165
111	Very Low Cerebral Blood Volume Predicts Parenchymal Hematoma in Acute Ischemic Stroke. Stroke, 2013, 44, 2318-2320.	2.0	33
112	Acute Stroke: Automatic Perfusion Lesion Outlining Using Level Sets. Radiology, 2013, 269, 404-412.	7.3	9
113	Acute Stroke Imaging Research Roadmap II. Stroke, 2013, 44, 2628-2639.	2.0	192
114	The Relationship between Tumor Blood Flow, Angiogenesis, Tumor Hypoxia, and Aerobic Glycolysis. Cancer Research, 2013, 73, 5618-5624.	0.9	140
115	Ultra-high field1H magnetic resonance imaging approaches for acute hypoxia. Acta OncolÃ³gica, 2013, 52, 1287-1292.	1.8	5
116	Accuracy and Reliability Assessment of CT and MR Perfusion Analysis Software Using a Digital Phantom. Radiology, 2013, 267, 201-211.	7.3	131
117	Automated Decision-Support System for Prediction of Treatment Responders in Acute Ischemic Stroke. Frontiers in Neurology, 2013, 4, 140.	2.4	5
118	The Role of the Cerebral Capillaries in Acute Ischemic Stroke: The Extended Penumbra Model. Journal of Cerebral Blood Flow and Metabolism, 2013, 33, 635-648.	4.3	115
119	Acute Stroke: Automatic Perfusion Lesion Outlining Using Level Sets. Radiology, 2013, 269, 404-412.	7.3	3
120	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
121	Combretastatin A-4 Phosphate Affects Tumor Vessel Volume and Size Distribution as Assessed Using MRI-Based Vessel Size Imaging. Clinical Cancer Research, 2012, 18, 6469-6477.	7.0	27
122	The Roles of Cerebral Blood Flow, Capillary Transit Time Heterogeneity, and Oxygen Tension in Brain Oxygenation and Metabolism. Journal of Cerebral Blood Flow and Metabolism, 2012, 32, 264-277.	4.3	394
123	Elevated T2-values in MRI of stroke patients shortly after symptom onset do not predict irreversible tissue infarction. Brain, 2012, 135, 1981-1989.	7.6	29
124	Presymptomatic cerebral blood flow changes inCHMP2Bmutation carriers of familial frontotemporal dementia (FTD-3), measured with MRI. BMJ Open, 2012, 2, e000368.	1.9	13
125	Assessing Response to Stroke Thrombolysis. Archives of Neurology, 2012, 69, 46.	4.5	53
126	Changes in regional brain volume three months after stroke. Journal of the Neurological Sciences, 2012, 322, 122-128.	0.6	75

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127	Accumulation of magnetic iron oxide nanoparticles coated with variably sized polyethylene glycol in murine tumors. Nanoscale, 2012, 4, 2352.	5.6	61
128	Superior Analgesic Effect of an Active Distraction versus Pleasant Unfamiliar Sounds and Music: The Influence of Emotion and Cognitive Style. PLoS ONE, 2012, 7, e29397.	2.5	54
129	CT and MR perfusion can discriminate severe cerebral hypoperfusion from perfusion absence: evaluation of different commercial software packages by using digital phantoms. Neuroradiology, 2012, 54, 467-474.	2.2	15
130	Correlations between Stroop task performance and white matter lesion measures in late-onset major depression. Psychiatry Research - Neuroimaging, 2012, 202, 142-149.	1.8	18
131	Development of neuromodulation treatments in a large animal modelâ€"Do neurosurgeons dream of electric pigs?. Progress in Brain Research, 2011, 194, 97-103.	1.4	20
132	Tapping polyrhythms in music activates language areas. Neuroscience Letters, 2011, 494, 211-216.	2.1	48
133	Susceptibility of Tmax to Tracer Delay on Perfusion Analysis: Quantitative Evaluation of Various Deconvolution Algorithms Using Digital Phantoms. Journal of Cerebral Blood Flow and Metabolism, 2011, 31, 908-912.	4.3	33
134	Distinct neural responses to chord violations: A multiple source analysis study. Brain Research, 2011, 1389, 103-114.	2.2	59
135	Assessment of baseline hemodynamic parameters within infarct progression areas in acute stroke patients using perfusion-weighted MRI. Neuroradiology, 2011, 53, 571-576.	2.2	8
136	Letter to the Editor: A rejoinder to Grool et al. (). Psychological Medicine, 2011, 41, 446-447.	4.5	1
137	Predicting Infarction Within the Diffusion-Weighted Imaging Lesion. Stroke, 2011, 42, 1602-1607.	2.0	26
138	Infarction of â€˜non-coreâ€“non-penumbralâ€™ tissue after stroke: multivariate modelling of clinical impact. Brain, 2011, 134, 1765-1776.	7.6	43
139	Recurrent Activity in Higher Order, Modality Non-Specific Brain Regions: A Granger Causality Analysis of Autobiographic Memory Retrieval. PLoS ONE, 2011, 6, e22286.	2.5	18
140	The Physiological Significance of the Time-to-Maximum (Tmax) Parameter in Perfusion MRI. Stroke, 2010, 41, 1169-1174.	2.0	161
141	Effect of hypnotic pain modulation on brain activity in patients with temporomandibular disorder pain. Pain, 2010, 151, 825-833.	4.2	52
142	Depression severity is correlated to the integrity of white matter fiber tracts in late-onset major depression. Psychiatry Research - Neuroimaging, 2010, 184, 38-48.	1.8	86
143	Localization of white-matter lesions and effect of vascular risk factors in late-onset major depression. Psychological Medicine, 2010, 40, 1389-1399.	4.5	71
144	Neurite density from magnetic resonance diffusion measurements at ultrahigh field: Comparison with light microscopy and electron microscopy. NeuroImage, 2010, 49, 205-216.	4.2	245

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145	Non-invasive imaging of combretastatin activity in two tumor models: Association with invasive estimates. Acta OncolÃ³gica, 2010, 49, 906-913.	1.8	22
146	Cerebral Blood Flow, Blood Volume, and Mean Transit Time Responses to Propofol and Indomethacin in Peritumor and Contralateral Brain Regions. Anesthesiology, 2010, 112, 50-56.	2.5	11
147	Upgraded Acute Stroke Care Including Thrombolysis Is Associated with Reduced Length of Hospital Stay among Non-Stroke Patients. Cerebrovascular Diseases, 2009, 27, 60-66.	1.7	4
148	Presymptomatic Generalized Brain Atrophy in Frontotemporal Dementia Caused by CHMP2B Mutation. Dementia and Geriatric Cognitive Disorders, 2009, 27, 182-186.	1.5	17
149	Safety and Efficacy of MRI-Based Selection for Recombinant Tissue Plasminogen Activator Treatment: Responder Analysis of Outcome in the 3-Hour Time Window. Cerebrovascular Diseases, 2009, 27, 223-229.	1.7	17
150	Quantitative T2 Values Predict Time From Symptom Onset in Acute Stroke Patients. Stroke, 2009, 40, 1612-1616.	2.0	70
151	Predicting Tissue Outcome From Acute Stroke Magnetic Resonance Imaging. Stroke, 2009, 40, 3006-3011.	2.0	28
152	Total Mismatch. Stroke, 2009, 40, 3400-3402.	2.0	24
153	Carbogen inhalation increases oxygen transport to hypoperfused brain tissue in patients with occlusive carotid artery disease. Brain Research, 2009, 1304, 90-95.	2.2	19
154	Analysis of partial volume effects on arterial input functions using gradient echo: A simulation study. Magnetic Resonance in Medicine, 2009, 61, 1300-1309.	3.0	43
155	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
156	Feasibility and logistics of MRI before thrombolytic treatment. Acta Neurologica Scandinavica, 2009, 120, 143-149.	2.1	18
157	Predictive coding of music â€“ Brain responses to rhythmic incongruity. Cortex, 2009, 45, 80-92.	2.4	198
158	Size-Dependent Accumulation of PEGylated Silane-Coated Magnetic Iron Oxide Nanoparticles in Murine Tumors. ACS Nano, 2009, 3, 1947-1951.	14.6	242
159	Cortical volumes and atrophy rates in FTD-3 CHMP2B mutation carriers and related non-carriers. NeuroImage, 2009, 45, 713-721.	4.2	28
160	Comparison of 10 Perfusion MRI Parameters in 97 Sub-6-Hour Stroke Patients Using Voxel-Based Receiver Operating Characteristics Analysis. Stroke, 2009, 40, 2055-2061.	2.0	128
161	Predicting tissue outcome in stroke: new approaches. Current Opinion in Neurology, 2009, 22, 54-59.	3.6	10
162	Interrater Agreement for Final Infarct MRI Lesion Delineation. Stroke, 2009, 40, 3768-3771.	2.0	33

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163	Inferring origin of vascular supply from tracer arrival timing patterns using bolus tracking MRI. Journal of Magnetic Resonance Imaging, 2008, 27, 1371-1381.	3.4	42
164	Accessing the mental spaceâ€"Spatial working memory processes for language and vision overlap in precuneus. Human Brain Mapping, 2008, 29, 524-532.	3.6	45
165	The effect of impermeable boundaries of arbitrary geometry on the apparent diffusion coefficient. Journal of Magnetic Resonance, 2008, 194, 128-135.	2.1	16
166	Preclinical Studies to Predict Efficacy of Vascular Changes Induced by Combretastatin A-4 Disodium Phosphate in Patients. International Journal of Radiation Oncology Biology Physics, 2008, 70, 859-866.	0.8	19
167	Improvement of brain tissue oxygenation by inhalation of carbogen. Neuroscience, 2008, 156, 932-938.	2.3	51
168	How Reliable Is Perfusion MR in Acute Stroke?. Stroke, 2008, 39, 870-877.	2.0	183
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