

# Martin J Lauritzen

## List of Publications by Year in descending order

Source: <https://exaly.com/author-pdf/3121748/publications.pdf>

Version: 2024-02-01

162  
papers

17,467  
citations

25034

57  
h-index

14208

128  
g-index

180  
all docs

180  
docs citations

180  
times ranked

12907  
citing authors

#	ARTICLE	IF	CITATIONS
1	Glial and neuronal control of brain blood flow. <i>Nature</i> , 2010, 468, 232-243.	27.8	2,003
2	Capillary pericytes regulate cerebral blood flow in health and disease. <i>Nature</i> , 2014, 508, 55-60.	27.8	1,466
3	Pathophysiology of the migraine aura. <i>Brain</i> , 1994, 117, 199-210.	7.6	1,081
4	Focal hyperemia followed by spreading oligemia and impaired activation of rcbf in classic migraine. <i>Annals of Neurology</i> , 1981, 9, 344-352.	5.3	893
5	Clinical Relevance of Cortical Spreading Depression in Neurological Disorders: Migraine, Malignant Stroke, Subarachnoid and Intracranial Hemorrhage, and Traumatic Brain Injury. <i>Journal of Cerebral Blood Flow and Metabolism</i> , 2011, 31, 17-35.	4.3	646
6	Delayed ischaemic neurological deficits after subarachnoid haemorrhage are associated with clusters of spreading depolarizations. <i>Brain</i> , 2006, 129, 3224-3237.	7.6	507
7	Cortical spreading ischaemia is a novel process involved in ischaemic damage in patients with aneurysmal subarachnoid haemorrhage. <i>Brain</i> , 2009, 132, 1866-1881.	7.6	479
8	Spreading Depression, Spreading Depolarizations, and the Cerebral Vasculature. <i>Physiological Reviews</i> , 2015, 95, 953-993.	28.8	421
9	Spreading and Synchronous Depressions of Cortical Activity in Acutely Injured Human Brain. <i>Stroke</i> , 2002, 33, 2738-2743.	2.0	389
10	Cortical spreading depression and peri-infarct depolarization in acutely injured human cerebral cortex. <i>Brain</i> , 2006, 129, 778-790.	7.6	374
11	REGIONAL CEREBRAL BLOOD FLOW DURING MIGRAINE ATTACKS BY XENON-133 INHALATION AND EMISSION TOMOGRAPHY. <i>Brain</i> , 1984, 107, 447-461.	7.6	353
12	Changes in regional cerebral blood flow during the course of classic migraine attacks. <i>Annals of Neurology</i> , 1983, 13, 633-641.	5.3	329
13	Modification of activity-dependent increases of cerebral blood flow by excitatory synaptic activity and spikes in rat cerebellar cortex. <i>Journal of Physiology</i> , 1998, 512, 555-566.	2.9	327
14	The continuum of spreading depolarizations in acute cortical lesion development: Examining Leão's legacy. <i>Journal of Cerebral Blood Flow and Metabolism</i> , 2017, 37, 1571-1594.	4.3	297
15	Nitric Oxide Scavenging by Hemoglobin or Nitric Oxide Synthase Inhibition by N-Nitro-L-Arginine Induces Cortical Spreading Ischemia When K <sup>+</sup> Is Increased in the Subarachnoid Space. <i>Journal of Cerebral Blood Flow and Metabolism</i> , 1998, 18, 978-990.	4.3	267
16	The Effect of Glutamate Receptor Blockade on Anoxic Depolarization and Cortical Spreading Depression. <i>Journal of Cerebral Blood Flow and Metabolism</i> , 1992, 12, 223-229.	4.3	256
17	Recording, analysis, and interpretation of spreading depolarizations in neurointensive care: Review and recommendations of the COSBID research group. <i>Journal of Cerebral Blood Flow and Metabolism</i> , 2017, 37, 1595-1625.	4.3	255
18	Reading vascular changes in brain imaging: is dendritic calcium the key?. <i>Nature Reviews Neuroscience</i> , 2005, 6, 77-85.	10.2	249

#	ARTICLE	IF	CITATIONS
19	Relationship of Spikes, Synaptic Activity, and Local Changes of Cerebral Blood Flow. <i>Journal of Cerebral Blood Flow and Metabolism</i> , 2001, 21, 1367-1383.	4.3	234
20	Persistent oligemia of rat cerebral cortex in the wake of spreading depression. <i>Annals of Neurology</i> , 1982, 12, 469-474.	5.3	199
21	Persistent Increase in Oxygen Consumption and Impaired Neurovascular Coupling after Spreading Depression in Rat Neocortex. <i>Journal of Cerebral Blood Flow and Metabolism</i> , 2009, 29, 1517-1527.	4.3	197
22	Neuronal deactivation explains decreased cerebellar blood flow in response to focal cerebral ischemia or suppressed neocortical function. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , 2002, 99, 7699-7704.	7.1	193
23	Association of seizures with cortical spreading depression and peri-infarct depolarisations in the acutely injured human brain. <i>Clinical Neurophysiology</i> , 2008, 119, 1973-1984.	1.5	193
24	Coupling and uncoupling of activity-dependent increases of neuronal activity and blood flow in rat somatosensory cortex. <i>Journal of Physiology</i> , 2001, 533, 773-785.	2.9	184
25	Brain Function and Neurophysiological Correlates of Signals Used in Functional Neuroimaging. <i>Journal of Neuroscience</i> , 2003, 23, 3972-3980.	3.6	169
26	Early detection of Alzheimer's disease using MRI hippocampal texture. <i>Human Brain Mapping</i> , 2016, 37, 1148-1161.	3.6	165
27	Rapid stimulus-evoked astrocyte $Ca^{2+}$ elevations and hemodynamic responses in mouse somatosensory cortex in vivo. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , 2013, 110, E4678-87.	7.1	161
28	Contributions of the glycocalyx, endothelium, and extravascular compartment to the blood-brain barrier. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , 2018, 115, E9429-E9438.	7.1	152
29	Long-Lasting Reduction of Cortical Blood Flow of the Rat Brain after Spreading Depression with Preserved Autoregulation and Impaired $CO_2$ Response. <i>Journal of Cerebral Blood Flow and Metabolism</i> , 1984, 4, 546-554.	4.3	149
30	Cortical spreading depression as a putative migraine mechanism. <i>Trends in Neurosciences</i> , 1987, 10, 8-13.	8.6	147
31	Microdialysis of interstitial amino acids during spreading depression and anoxic depolarization in rat neocortex. <i>Brain Research</i> , 1993, 612, 61-69.	2.2	143
32	Regulation of regional cerebral blood flow during and between migraine attacks. <i>Annals of Neurology</i> , 1983, 14, 569-572.	5.3	142
33	Dynamic Changes in Brain Glucose and Lactate in Pericontusional Areas of the Human Cerebral Cortex, Monitored with Rapid Sampling On-Line Microdialysis: Relationship with Depolarisation-Like Events. <i>Journal of Cerebral Blood Flow and Metabolism</i> , 2005, 25, 402-413.	4.3	140
34	Neuronal inhibition and excitation, and the dichotomic control of brain hemodynamic and oxygen responses. <i>NeuroImage</i> , 2012, 62, 1040-1050.	4.2	130
35	Activity-induced tissue oxygenation changes in rat cerebellar cortex: interplay of postsynaptic activation and blood flow. <i>Journal of Physiology</i> , 2005, 565, 279-294.	2.9	126
36	Spreading Cerebral Oligemia in Classical- and Normal Cerebral Blood Flow in Common Migraine. <i>Headache</i> , 1982, 22, 242-248.	3.9	113

#	ARTICLE	IF	CITATIONS
37	Stimulation-induced increases in cerebral blood flow and local capillary vasoconstriction depend on conducted vascular responses. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , 2018, 115, E5796-E5804.	7.1	110
38	Cortical Spreading Depression is Associated with Arachidonic Acid Accumulation and Preservation of Energy Charge. <i>Journal of Cerebral Blood Flow and Metabolism</i> , 1990, 10, 115-122.	4.3	107
39	Quisqualate, kainate and NMDA can initiate spreading depression in the turtle cerebellum. <i>Brain Research</i> , 1988, 475, 317-327.	2.2	105
40	Precapillary sphincters maintain perfusion in the cerebral cortex. <i>Nature Communications</i> , 2020, 11, 395.	12.8	104
41	Glutamate receptor-dependent increments in lactate, glucose and oxygen metabolism evoked in rat cerebellum <i>in vivo</i> . <i>Journal of Physiology</i> , 2008, 586, 1337-1349.	2.9	101
42	Temporal coupling between neuronal activity and blood flow in rat cerebellar cortex as indicated by field potential analysis. <i>Journal of Physiology</i> , 2000, 523, 235-246.	2.9	98
43	Laser-Doppler Evaluation of Rat Brain Microcirculation: Comparison with the [14C]-Iodoantipyrine Method Suggests Discordance during Cerebral Blood Flow Increases. <i>Journal of Cerebral Blood Flow and Metabolism</i> , 1996, 16, 156-161.	4.3	96
44	Principal neuron spiking: neither necessary nor sufficient for cerebral blood flow in rat cerebellum. <i>Journal of Physiology</i> , 2004, 560, 181-189.	2.9	91
45	Fighting Publication Bias: Introducing the Negative Results Section. <i>Journal of Cerebral Blood Flow and Metabolism</i> , 2010, 30, 1263-1264.	4.3	90
46	Pathway-Specific Variations in Neurovascular and Neurometabolic Coupling in Rat Primary Somatosensory Cortex. <i>Journal of Cerebral Blood Flow and Metabolism</i> , 2009, 29, 976-986.	4.3	89
47	Negative BOLD signal changes in ipsilateral primary somatosensory cortex are associated with perfusion decreases and behavioral evidence for functional inhibition. <i>NeuroImage</i> , 2012, 59, 3119-3127.	4.2	88
48	Nonlinear Neurovascular Coupling in Rat Sensory Cortex by Activation of Transcallosal Fibers. <i>Journal of Cerebral Blood Flow and Metabolism</i> , 2007, 27, 575-587.	4.3	83
49	Regional Cerebral Blood Flow Assessed by 133Xe Inhalation and Emission Tomography. <i>Journal of Computer Assisted Tomography</i> , 1985, 9, 861-866.	0.9	82
50	Real time laser-Doppler perfusion imaging of cortical spreading depression in rat neocortex. <i>NeuroReport</i> , 1995, 6, 1271-1273.	1.2	79
51	Active role of capillary pericytes during stimulation-induced activity and spreading depolarization. <i>Brain</i> , 2018, 141, 2032-2046.	7.6	78
52	Increased 20-HETE Synthesis Explains Reduced Cerebral Blood Flow But Not Impaired Neurovascular Coupling after Cortical Spreading Depression in Rat Cerebral Cortex. <i>Journal of Neuroscience</i> , 2013, 33, 2562-2570.	3.6	73
53	Dissociation of spikes, synaptic activity, and activity-dependent increments in rat cerebellar blood flow by tonic synaptic inhibition. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , 2003, 100, 16000-16005.	7.1	71
54	Cerebral blood flow increases evoked by electrical stimulation of rat cerebellar cortex: relation to excitatory synaptic activity and nitric oxide synthesis. <i>Brain Research</i> , 1996, 710, 204-214.	2.2	70

#	ARTICLE	IF	CITATIONS
55	Glutamate-system defects behind psychiatric manifestations in a familial hemiplegic migraine type 2 disease-mutation mouse model. <i>Scientific Reports</i> , 2016, 6, 22047.	3.3	69
56	Laminar Analysis of Cerebral Blood Flow in Cortex of Rats by Laser-Doppler Flowmetry: A Pilot Study. <i>Journal of Cerebral Blood Flow and Metabolism</i> , 1997, 17, 1326-1336.	4.3	67
57	Context sensitivity of activity-dependent increases in cerebral blood flow. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , 2003, 100, 4239-4244.	7.1	64
58	Magnetic field associated with spreading depression: a model for the detection of migraine. <i>Brain Research</i> , 1988, 442, 185-190.	2.2	58
59	A Critical Role for Astrocytes in Hypercapnic Vasodilation in Brain. <i>Journal of Neuroscience</i> , 2017, 37, 2403-2414.	3.6	58
60	Interneuron Deficit Associates Attenuated Network Synchronization to Mismatch of Energy Supply and Demand in Aging Mouse Brains. <i>Cerebral Cortex</i> , 2017, 27, 646-659.	2.9	55
61	Fast Ca <sup>2+</sup> responses in astrocyte endfeet and neurovascular coupling in mice. <i>Glia</i> , 2018, 66, 348-358.	4.9	53
62	Nitric Oxide Synthase Activity and Expression in Experimental Diabetic Neuropathy. <i>Journal of Neuropathology and Experimental Neurology</i> , 2000, 59, 798-807.	1.7	52
63	Precapillary sphincters and pericytes at first-order capillaries as key regulators for brain capillary perfusion. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , 2021, 118, .	7.1	52
64	Carpal tunnel syndrome in repetitive work: A follow-up study. <i>American Journal of Industrial Medicine</i> , 2002, 42, 344-353.	2.1	51
65	Subclinical cognitive decline in middle age is associated with reduced task-induced deactivation of the brain's default mode network. <i>Human Brain Mapping</i> , 2014, 35, 4488-4498.	3.6	51
66	EEG During Attacks of Common and Classical Migraine. <i>Cephalalgia</i> , 1981, 1, 63-66.	3.9	49
67	Subjective sleep quality and daytime sleepiness in late midlife and their association with age-related changes in cognition. <i>Sleep Medicine</i> , 2016, 17, 165-173.	1.6	49
68	Prognostic value of periodic electroencephalographic discharges for neurological patients with profound disturbances of consciousness. <i>Clinical Neurophysiology</i> , 2013, 124, 44-51.	1.5	48
69	Spinal dorsal horn astrocytes release GABA in response to synaptic activation. <i>Journal of Physiology</i> , 2018, 596, 4983-4994.	2.9	47
70	Scanning Laser-Doppler Flowmetry of Rat Cerebral Circulation during Cortical Spreading Depression. <i>Journal of Vascular Research</i> , 2000, 37, 513-522.	1.4	46
71	Influence of MK-801 on Brain Extracellular Calcium and Potassium Activities in Severe Hypoglycemia. <i>Journal of Cerebral Blood Flow and Metabolism</i> , 1990, 10, 136-139.	4.3	45
72	Spontaneous Calcium Waves in Bergman Glia Increase with Age and Hypoxia and may Reduce Tissue Oxygen. <i>Journal of Cerebral Blood Flow and Metabolism</i> , 2013, 33, 161-169.	4.3	45

#	ARTICLE	IF	CITATIONS
73	Spreading depression of Leu-enkephalin and its emerging relevance to acute brain injury in humans. <i>Journal of Cerebral Blood Flow and Metabolism</i> , 2017, 37, 1553-1570.	4.3	43
74	Apolipoprotein M-bound sphingosine-1-phosphate regulates blood-brain barrier paracellular permeability and transcytosis. <i>eLife</i> , 2019, 8, .	6.0	43
75	Regional Cerebral Blood Flow during Rest and Skilled Hand Movements by Xenon-133 Inhalation and Emission Computerized Tomography. <i>Journal of Cerebral Blood Flow and Metabolism</i> , 1981, 1, 385-389.	4.3	42
76	Modification of activity-dependent increases in cerebellar blood flow by extracellular potassium in anaesthetized rats. <i>Journal of Physiology</i> , 1999, 520, 281-292.	2.9	41
77	Activity-dependent Increases in Local Oxygen Consumption Correlate with Postsynaptic Currents in the Mouse Cerebellum <i>In Vivo</i> . <i>Journal of Neuroscience</i> , 2011, 31, 18327-18337.	3.6	40
78	Early focal brain injury after subarachnoid hemorrhage correlates with spreading depolarizations. <i>Neurology</i> , 2019, 92, e326-e341.	1.1	40
79	Uncoupling of cerebral blood flow and metabolism after single episode of cortical spreading depression in the rat brain. <i>Brain Research</i> , 1986, 370, 405-408.	2.2	36
80	Principal Cell Spiking, Postsynaptic Excitation, and Oxygen Consumption in the Rat Cerebellar Cortex. <i>Journal of Neurophysiology</i> , 2009, 102, 1503-1512.	1.8	35
81	Magnetic field associated with neural activities in an isolated cerebellum. <i>Brain Research</i> , 1987, 412, 151-155.	2.2	34
82	Transient hyperemia succeeds oligemia in the wake of cortical spreading depression. <i>Brain Research</i> , 1993, 602, 350-353.	2.2	30
83	Clinical Trial of Nimodipine for Single Attacks of Classic Migraine. <i>Cephalalgia</i> , 1985, 5, 125-131.	3.9	29
84	Cerebral Haemodynamic Response or Excitability is not Affected by Sildenafil. <i>Journal of Cerebral Blood Flow and Metabolism</i> , 2009, 29, 830-839.	4.3	29
85	Melatonin and cortisol profiles in late midlife and their association with age-related changes in cognition. <i>Nature and Science of Sleep</i> , 2016, 8, 47.	2.7	28
86	Continuous EEG Monitoring in a Consecutive Patient Cohort with Sepsis and Delirium. <i>Neurocritical Care</i> , 2020, 32, 121-130.	2.4	28
87	Brain capillary pericytes and neurovascular coupling. <i>Comparative Biochemistry and Physiology Part A, Molecular &amp; Integrative Physiology</i> , 2021, 254, 110893.	1.8	28
88	Cyclosporine A, FK506, and NIM811 ameliorate prolonged CBF reduction and impaired neurovascular coupling after cortical spreading depression. <i>Journal of Cerebral Blood Flow and Metabolism</i> , 2011, 31, 1588-1598.	4.3	27
89	PSD-95 uncoupling from NMDA receptors by Tat-N-dimer ameliorates neuronal depolarization in cortical spreading depression. <i>Journal of Cerebral Blood Flow and Metabolism</i> , 2017, 37, 1820-1828.	4.3	27
90	On the Possible Relation of Spreading Cortical Depression to Classical Migraine. <i>Cephalalgia</i> , 1985, 5, 47-51.	3.9	26

#	ARTICLE	IF	CITATIONS
91	Nonspecific facilitation of responses to transcranial magnetic stimulation. , 1999, 22, 857-863.		25
92	Contact allergy to methylidibromo glutaronitrile - data from a 'front line' network. Contact Dermatitis, 2005, 52, 138-141.	1.4	25
93	Gamma-Aminobutyric Acid Modulates Local Brain Oxygen Consumption and Blood Flow in Rat Cerebellar Cortex. Journal of Cerebral Blood Flow and Metabolism, 2008, 28, 906-915.	4.3	25
94	Activityâ€dependent calcium, oxygen, and vascular responses in a mouse model of familial hemiplegic migraine type 1. Annals of Neurology, 2016, 80, 219-232.	5.3	25
95	Functional recruitment of red blood cells to rat brain microcirculation accompanying increased neuronal activity in cerebellar cortex. NeuroReport, 1999, 10, 3257-3263.	1.2	23
96	Impaired Neurovascular Coupling by Transhemispheric Diaschisis in Rat Cerebral Cortex. Journal of Cerebral Blood Flow and Metabolism, 2004, 24, 713-719.	4.3	23
97	Systemic T-cell activation in acute clinically isolated optic neuritis. Journal of Neuroimmunology, 2005, 162, 165-172.	2.3	23
98	Neocortical gamma oscillations in idiopathic generalized epilepsy. Epilepsia, 2016, 57, 796-804.	5.1	23
99	NOâ€and nonâ€NOâ€, Nonâ€Prostanoidâ€Dependent Vasodilatation in Rat Sciatic Nerve During Maturation and Developing Experimental Diabetic Neuropathy. Journal of Physiology, 2002, 543, 977-993.	2.9	22
100	Spontaneous astrocytic Ca <sup>2+</sup> activity abounds in electrically suppressed ischemic penumbra of aged mice. Glia, 2019, 67, 37-52.	4.9	22
101	Conjugation of Therapeutic PSD-95 Inhibitors to the Cell-Penetrating Peptide Tat Affects Bloodâ€Brain Barrier Adherence, Uptake, and Permeation. Pharmaceuticals, 2020, 12, 661.	4.5	22
102	Electromyography of pericranial muscles during treatment of spontaneous common migraine attacks. Pain, 1982, 14, 137-147.	4.2	20
103	The effects of sodium nitroprusside on cerebral blood flow and cerebral venous blood gases.. European Journal of Clinical Investigation, 1982, 12, 383-387.	3.4	20
104	GABAARceptor-Mediated Bidirectional Control of Synaptic Activity, Intracellular Ca <sup>2+</sup> , Cerebral Blood Flow, and Oxygen Consumption in Mouse Somatosensory Cortex In Vivo. Cerebral Cortex, 2015, 25, 2594-2609.	2.9	20
105	Deep sleep drives brain fluid oscillations. Science, 2019, 366, 572-573.	12.6	20
106	Prepro-Vasoactive Intestinal Polypeptide-Derived Peptide Sequences in Cerebral Blood Vessels of Rats: On the Functional Anatomy of Metabolic Autoregulation. Journal of Cerebral Blood Flow and Metabolism, 1991, 11, 932-938.	4.3	19
107	Hyposalivation and Poor Dental Health Status Are Potential Correlates of Age-Related Cognitive Decline in Late Midlife in Danish Men. Frontiers in Aging Neuroscience, 2018, 10, 10.	3.4	19
108	Rev1 contributes to proper mitochondrial function via the PARP-NAD <sup>+</sup> -SIRT1-PGC1Î± axis. Scientific Reports, 2017, 7, 12480.	3.3	17

#	ARTICLE	IF	CITATIONS
109	CaMKII-dependent endoplasmic reticulum fission by whisker stimulation and during cortical spreading depolarization. <i>Brain</i> , 2018, 141, 1049-1062.	7.6	17
110	Initial brain aging: heterogeneity of mitochondrial size is associated with decline in complex I-linked respiration in cortex and hippocampus. <i>Neurobiology of Aging</i> , 2018, 61, 215-224.	3.1	17
111	Brain barriers and their potential role in migraine pathophysiology. <i>Journal of Headache and Pain</i> , 2022, 23, 16.	6.0	17
112	Modification of oxygen consumption and blood flow in mouse somatosensory cortex by cell-type-specific neuronal activity. <i>Journal of Cerebral Blood Flow and Metabolism</i> , 2020, 40, 2010-2025.	4.3	16
113	Electrophysiological findings in a Danish family with Machado-Joseph disease. <i>Muscle and Nerve</i> , 1996, 19, 743-750.	2.2	15
114	Associations between xerostomia, histopathological alterations, and autonomic innervation of labial salivary glands in men in late midlife. <i>Experimental Gerontology</i> , 2014, 57, 211-217.	2.8	14
115	EEG correlates of visual short-term memory in older age vary with adult lifespan cognitive development. <i>Neurobiology of Aging</i> , 2018, 62, 210-220.	3.1	14
116	ATP induces contraction of cultured brain capillary pericytes via activation of P2Y-type purinergic receptors. <i>American Journal of Physiology - Heart and Circulatory Physiology</i> , 2021, 320, H699-H712.	3.2	14
117	In vivo mechanisms of acetylcholine-induced vasodilation in rat sciatic nerve. <i>American Journal of Physiology - Heart and Circulatory Physiology</i> , 2000, 279, H1044-H1054.	3.2	13
118	Visual steady state in relation to age and cognitive function. <i>PLoS ONE</i> , 2017, 12, e0171859.	2.5	13
119	Automatic continuous EEG signal analysis for diagnosis of delirium in patients with sepsis. <i>Clinical Neurophysiology</i> , 2021, 132, 2075-2082.	1.5	12
120	Multi-modal assessment of neurovascular coupling during cerebral ischaemia and reperfusion using remote middle cerebral artery occlusion. <i>Journal of Cerebral Blood Flow and Metabolism</i> , 2017, 37, 2494-2508.	4.3	11
121	Monitoring of blood oxygenation in brain by resonance Raman spectroscopy. <i>Journal of Biophotonics</i> , 2018, 11, e201700311.	2.3	11
122	Discovering markers of healthy aging: a prospective study in a Danish male birth cohort. <i>Aging</i> , 2019, 11, 5943-5974.	3.1	11
123	If You Have the Science, We Have the Journal!. <i>Journal of Cerebral Blood Flow and Metabolism</i> , 2010, 30, 1-1.	4.3	10
124	Cognitive Change during the Life Course and Leukocyte Telomere Length in Late Middle-Aged Men. <i>Frontiers in Aging Neuroscience</i> , 2016, 8, 300.	3.4	10
125	Neurostereologic Lesion Volumes and Spreading Depolarizations in Severe Traumatic Brain Injury Patients: A Pilot Study. <i>Neurocritical Care</i> , 2019, 30, 557-568.	2.4	9
126	Elevated p16ink4a Expression in Human Labial Salivary Glands as a Potential Correlate of Cognitive Aging in Late Midlife. <i>PLoS ONE</i> , 2016, 11, e0152612.	2.5	9

#	ARTICLE	IF	CITATIONS
127	Improving the Quality of Biomedical Research: Guidelines for Reporting Experiments Involving Animals. <i>Journal of Cerebral Blood Flow and Metabolism</i> , 2011, 31, 989-990.	4.3	8
128	Multiscale vision model highlights spontaneous glial calcium waves recorded by 2-photon imaging in brain tissue. <i>NeuroImage</i> , 2013, 68, 192-202.	4.2	8
129	Increased deoxythymidine triphosphate levels is a feature of relative cognitive decline. <i>Mitochondrion</i> , 2015, 25, 34-37.	3.4	8
130	In Vivo Three-Dimensional Two-Photon Microscopy to Study Conducted Vascular Responses by Local ATP Ejection Using a Glass Micro-Pipette. <i>Journal of Visualized Experiments</i> , 2019, , .	0.3	8
131	Sleep efficiency and neurophysiological patterns in middle-aged men are associated with cognitive change over their adult life course. <i>Journal of Sleep Research</i> , 2019, 28, e12793.	3.2	8
132	Subclinical cognitive deficits are associated with reduced cerebrovascular response to visual stimulation in mid-sixties men. <i>GeroScience</i> , 2022, 44, 1905-1923.	4.6	8
133	Chlormezanone in the Treatment of Migraine Attacks: A Double Blind Comparison with Diazepam and Placebo. <i>Cephalalgia</i> , 1982, 2, 205-210.	3.9	6
134	Modeling neuro-vascular coupling in rat cerebellum: Characterization of deviations from linearity. <i>NeuroImage</i> , 2009, 45, 96-108.	4.2	6
135	Passive Double-Sensory Evoked Coherence Correlates with Long-Term Memory Capacity. <i>Frontiers in Human Neuroscience</i> , 2017, 11, 598.	2.0	6
136	Steady-state visual evoked potential temporal dynamics reveal correlates of cognitive decline. <i>Clinical Neurophysiology</i> , 2020, 131, 836-846.	1.5	6
137	A suite of neurophotonic tools to underpin the contribution of internal brain states in fMRI. <i>Current Opinion in Biomedical Engineering</i> , 2021, 18, 100273.	3.4	6
138	Shedding Light on the Blood-Brain Barrier Transport with Two-Photon Microscopy In Vivo. <i>Pharmaceutical Research</i> , 2022, 39, 1457-1468.	3.5	5
139	Migraine with Aura, Cerebral Ischemia, Spreading Depression, and Compton Scatter. <i>Headache</i> , 1991, 31, 49-51.	3.9	3
140	Contribution of somatosensory cortex to evoked cerebellar blood flow responses. <i>NeuroReport</i> , 2004, 15, 695-698.	1.2	3
141	Sensory Stimulation-Induced Astrocytic Calcium Signaling in Electrically Silent Ischemic Penumbra. <i>Frontiers in Aging Neuroscience</i> , 2019, 11, 223.	3.4	3
142	Multiscale vision model for event detection and reconstruction in two-photon imaging data. <i>Neurophotonics</i> , 2014, 1, 011012.	3.3	2
143	In response: Gamma oscillations or spikes?. <i>Epilepsia</i> , 2016, 57, 1524-1525.	5.1	2
144	Discovering correlates of age-related decline in a healthy late-midlife male birth cohort. <i>Aging</i> , 2020, 12, 16709-16743.	3.1	2

#	ARTICLE	IF	CITATIONS
145	rCBF After Tia and during Migraine Attacks. <i>Cephalalgia</i> , 1985, 5, 43-46.	3.9	1
146	REGIONAL CEREBRAL BLOOD FLOW IN INDUCED AND SPONTANEOUS ATTACKS OF COMMON MIGRAINE. <i>Acta Neurologica Scandinavica</i> , 1982, 65, 72-73.	2.1	1
147	Brain Responses to Passive Sensory Stimulation Correlate With Intelligence. <i>Frontiers in Aging Neuroscience</i> , 2019, 11, 201.	3.4	1
148	Purification of rat renal renin from crude kidney extracts by diamino-hexamethylene-Sepharose chromatography. <i>Biochemical and Biophysical Research Communications</i> , 1980, 96, 907-914.	2.1	0
149	CHLORMEZANONE IN THE TREATMENT OF MIGRAINE ATTACKS. A DOUBLE BLIND COMPARISON WITH DIAZEPAM AND PLACEBO.. <i>Acta Neurologica Scandinavica</i> , 2009, 65, 81-82.	2.1	0
150	Rotation of Editorial Board Members and new publication formats. <i>Journal of Cerebral Blood Flow and Metabolism</i> , 2011, 31, 1501-1501.	4.3	0
151	Celebrating the 30th Anniversary of our Journal. <i>Journal of Cerebral Blood Flow and Metabolism</i> , 2012, 32, 1097-1097.	4.3	0
152	A new home for the Journal of Cerebral Blood Flow and Metabolism. <i>Journal of Cerebral Blood Flow and Metabolism</i> , 2016, 36, 277-277.	4.3	0
153	The Journal of Cerebral Blood Flow and Metabolism clinical, inaugural issue. <i>Journal of Cerebral Blood Flow and Metabolism</i> , 2016, 36, 3-3.	4.3	0
154	P352 Neuromyotonia – A rare but important electrophysiological finding. <i>Clinical Neurophysiology</i> , 2017, 128, e292.	1.5	0
155	Bridging the gap between electrophysiology and circulation by laser-Doppler flowmetry. , 2002, , .		0
156	Initial evidence for peri-infarct depolarization or cortical spreading depression as a cause of neurological deterioration in patients with subarachnoid haemorrhage. <i>Journal of Cerebral Blood Flow and Metabolism</i> , 2005, 25, S116-S116.	4.3	0
157	Activity-dependent oxygen transients in rat cerebellar cortex are blocked by synaptic inhibition. <i>Journal of Cerebral Blood Flow and Metabolism</i> , 2005, 25, S66-S66.	4.3	0
158	Detection of cortical spreading depression and peri-infarct depolarisations in the injured human brain. <i>Journal of Cerebral Blood Flow and Metabolism</i> , 2005, 25, S427-S427.	4.3	0
159	Oxygen consumption by spiking activity in rat cerebellum. <i>Journal of Cerebral Blood Flow and Metabolism</i> , 2005, 25, S81-S81.	4.3	0
160	Neurovascular Coupling in Relation to Cortical Spreading Depression. <i>NeuroMethods</i> , 2014, , 273-286.	0.3	0
161	Cerebral Blood Flow Changes in Migraine: Their Possible Correspondence to the Perfusion Changes of Spreading Cortical Depression. , 1985, , 87-96.		0
162	Blood Flow and Metabolism in Cortical Spreading Depression. <i>Advances in Behavioral Biology</i> , 1988, , 269-277.	0.2	0