

# Martin J Lauritzen

## List of Publications by Citations

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154  
papers

14,148  
citations

54  
h-index

118  
g-index

180  
ext. papers

16,084  
ext. citations

7  
avg, IF

6.57  
L-index

#	Paper	IF	Citations
154	Glial and neuronal control of brain blood flow. <i>Nature</i> , <b>2010</b> , 468, 232-43	50.4	1571
153	Capillary pericytes regulate cerebral blood flow in health and disease. <i>Nature</i> , <b>2014</b> , 508, 55-60	50.4	1083
152	Pathophysiology of the migraine aura. The spreading depression theory. <i>Brain</i> , <b>1994</b> , 117 ( Pt 1), 199-210	11.2	944
151	Focal hyperemia followed by spreading oligemia and impaired activation of rCBF in classic migraine. <i>Annals of Neurology</i> , <b>1981</b> , 9, 344-52	9.4	766
150	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> , <b>2011</b> , 31, 17-35	7.3	505
149	Delayed ischaemic neurological deficits after subarachnoid haemorrhage are associated with clusters of spreading depolarizations. <i>Brain</i> , <b>2006</b> , 129, 3224-37	11.2	435
148	Cortical spreading ischaemia is a novel process involved in ischaemic damage in patients with aneurysmal subarachnoid haemorrhage. <i>Brain</i> , <b>2009</b> , 132, 1866-81	11.2	415
147	Spreading and synchronous depressions of cortical activity in acutely injured human brain. <i>Stroke</i> , <b>2002</b> , 33, 2738-43	6.7	328
146	Cortical spreading depression and peri-infarct depolarization in acutely injured human cerebral cortex. <i>Brain</i> , <b>2006</b> , 129, 778-90	11.2	323
145	Regional cerebral blood flow during migraine attacks by Xenon-133 inhalation and emission tomography. <i>Brain</i> , <b>1984</b> , 107 ( Pt 2), 447-61	11.2	307
144	Changes in regional cerebral blood flow during the course of classic migraine attacks. <i>Annals of Neurology</i> , <b>1983</b> , 13, 633-41	9.4	297
143	Spreading Depression, Spreading Depolarizations, and the Cerebral Vasculature. <i>Physiological Reviews</i> , <b>2015</b> , 95, 953-93	47.9	291
142	Modification of activity-dependent increases of cerebral blood flow by excitatory synaptic activity and spikes in rat cerebellar cortex. <i>Journal of Physiology</i> , <b>1998</b> , 512 ( Pt 2), 555-66	3.9	285
141	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> , <b>1998</b> , 18, 978-90	7.3	234
140	The effect of glutamate receptor blockade on anoxic depolarization and cortical spreading depression. <i>Journal of Cerebral Blood Flow and Metabolism</i> , <b>1992</b> , 12, 223-9	7.3	231
139	Reading vascular changes in brain imaging: is dendritic calcium the key?. <i>Nature Reviews Neuroscience</i> , <b>2005</b> , 6, 77-85	13.5	224
138	The continuum of spreading depolarizations in acute cortical lesion development: Examining Leßler's legacy. <i>Journal of Cerebral Blood Flow and Metabolism</i> , <b>2017</b> , 37, 1571-1594	7.3	205

137	Relationship of spikes, synaptic activity, and local changes of cerebral blood flow. <i>Journal of Cerebral Blood Flow and Metabolism</i> , <b>2001</b> , 21, 1367-83	7.3	205
136	Coupling and uncoupling of activity-dependent increases of neuronal activity and blood flow in rat somatosensory cortex. <i>Journal of Physiology</i> , <b>2001</b> , 533, 773-85	3.9	175
135	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> , <b>2017</b> , 37, 1595-1625	7.3	173
134	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> , <b>2002</b> , 99, 7699-704	11.5	173
133	Persistent increase in oxygen consumption and impaired neurovascular coupling after spreading depression in rat neocortex. <i>Journal of Cerebral Blood Flow and Metabolism</i> , <b>2009</b> , 29, 1517-27	7.3	168
132	Persistent oligemia of rat cerebral cortex in the wake of spreading depression. <i>Annals of Neurology</i> , <b>1982</b> , 12, 469-74	9.4	168
131	Association of seizures with cortical spreading depression and peri-infarct depolarisations in the acutely injured human brain. <i>Clinical Neurophysiology</i> , <b>2008</b> , 119, 1973-84	4.3	167
130	Brain function and neurophysiological correlates of signals used in functional neuroimaging. <i>Journal of Neuroscience</i> , <b>2003</b> , 23, 3972-80	6.6	154
129	Rapid stimulus-evoked astrocyte Ca <sup>2+</sup> 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> , <b>2013</b> , 110, E4678-87	11.5	131
128	Microdialysis of interstitial amino acids during spreading depression and anoxic depolarization in rat neocortex. <i>Brain Research</i> , <b>1993</b> , 612, 61-9	3.7	129
127	Cortical spreading depression as a putative migraine mechanism. <i>Trends in Neurosciences</i> , <b>1987</b> , 10, 8-13	13.3	129
126	Long-lasting reduction of cortical blood flow of the brain after spreading depression with preserved autoregulation and impaired CO <sub>2</sub> response. <i>Journal of Cerebral Blood Flow and Metabolism</i> , <b>1984</b> , 4, 546-54	7.3	128
125	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> , <b>2005</b> , 25, 402-13	7.3	123
124	Regulation of regional cerebral blood flow during and between migraine attacks. <i>Annals of Neurology</i> , <b>1983</b> , 14, 569-72	9.4	120
123	Activity-induced tissue oxygenation changes in rat cerebellar cortex: interplay of postsynaptic activation and blood flow. <i>Journal of Physiology</i> , <b>2005</b> , 565, 279-94	3.9	110
122	Early detection of Alzheimer's disease using MRI hippocampal texture. <i>Human Brain Mapping</i> , <b>2016</b> , 37, 1148-61	5.9	108
121	Neuronal inhibition and excitation, and the dichotomic control of brain hemodynamic and oxygen responses. <i>NeuroImage</i> , <b>2012</b> , 62, 1040-50	7.9	107
120	Spreading cerebral oligemia in classical- and normal cerebral blood flow in common migraine. <i>Headache</i> , <b>1982</b> , 22, 242-8	4.2	103

119	Quisqualate, kainate and NMDA can initiate spreading depression in the turtle cerebellum. <i>Brain Research</i> , <b>1988</b> , 475, 317-27	3.7	100
118	Cortical spreading depression is associated with arachidonic acid accumulation and preservation of energy charge. <i>Journal of Cerebral Blood Flow and Metabolism</i> , <b>1990</b> , 10, 115-22	7.3	97
117	Glutamate receptor-dependent increments in lactate, glucose and oxygen metabolism evoked in rat cerebellum in vivo. <i>Journal of Physiology</i> , <b>2008</b> , 586, 1337-49	3.9	95
116	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> , <b>1996</b> , 16, 156-61	7.3	91
115	Temporal coupling between neuronal activity and blood flow in rat cerebellar cortex as indicated by field potential analysis. <i>Journal of Physiology</i> , <b>2000</b> , 523 Pt 1, 235-46	3.9	88
114	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> , <b>2018</b> , 115, E9429-E9438	11.5	88
113	Pathway-specific variations in neurovascular and neurometabolic coupling in rat primary somatosensory cortex. <i>Journal of Cerebral Blood Flow and Metabolism</i> , <b>2009</b> , 29, 976-86	7.3	80
112	Principal neuron spiking: neither necessary nor sufficient for cerebral blood flow in rat cerebellum. <i>Journal of Physiology</i> , <b>2004</b> , 560, 181-9	3.9	79
111	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> , <b>2018</b> , 115, E5796-E5804	11.5	76
110	Nonlinear neurovascular coupling in rat sensory cortex by activation of transcallosal fibers. <i>Journal of Cerebral Blood Flow and Metabolism</i> , <b>2007</b> , 27, 575-87	7.3	69
109	Real time laser-Doppler perfusion imaging of cortical spreading depression in rat neocortex. <i>NeuroReport</i> , <b>1995</b> , 6, 1271-3	1.7	69
108	Regional cerebral blood flow assessed by 133Xe inhalation and emission tomography: normal values. <i>Journal of Computer Assisted Tomography</i> , <b>1985</b> , 9, 861-6	2.2	69
107	Negative BOLD signal changes in ipsilateral primary somatosensory cortex are associated with perfusion decreases and behavioral evidence for functional inhibition. <i>NeuroImage</i> , <b>2012</b> , 59, 3119-27	7.9	65
106	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> , <b>2003</b> , 100, 16000-5	11.5	63
105	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> , <b>1996</b> , 710, 204-14	3.7	62
104	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> , <b>2003</b> , 100, 4239-44	11.5	59
103	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> , <b>1997</b> , 17, 1326-36	7.3	58
102	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> , <b>2013</b> , 33, 2562-70	6.6	56

101	Precapillary sphincters maintain perfusion in the cerebral cortex. <i>Nature Communications</i> , <b>2020</b> , 11, 395	17.4	53
100	Active role of capillary pericytes during stimulation-induced activity and spreading depolarization. <i>Brain</i> , <b>2018</b> , 141, 2032-2046	11.2	53
99	Glutamate-system defects behind psychiatric manifestations in a familial hemiplegic migraine type 2 disease-mutation mouse model. <i>Scientific Reports</i> , <b>2016</b> , 6, 22047	4.9	52
98	Magnetic field associated with spreading depression: a model for the detection of migraine. <i>Brain Research</i> , <b>1988</b> , 442, 185-90	3.7	51
97	Nitric oxide synthase activity and expression in experimental diabetic neuropathy. <i>Journal of Neuropathology and Experimental Neurology</i> , <b>2000</b> , 59, 798-807	3.1	49
96	Carpal tunnel syndrome in repetitive work: a follow-up study. <i>American Journal of Industrial Medicine</i> , <b>2002</b> , 42, 344-53	2.7	44
95	A Critical Role for Astrocytes in Hypercapnic Vasodilation in Brain. <i>Journal of Neuroscience</i> , <b>2017</b> , 37, 2403-2414	6.6	40
94	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> , <b>2014</b> , 35, 4488-98	5.9	40
93	Prognostic value of periodic electroencephalographic discharges for neurological patients with profound disturbances of consciousness. <i>Clinical Neurophysiology</i> , <b>2013</b> , 124, 44-51	4.3	40
92	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> , <b>1981</b> , 1, 385-7	7.3	40
91	Scanning laser-Doppler flowmetry of rat cerebral circulation during cortical spreading depression. <i>Journal of Vascular Research</i> , <b>2000</b> , 37, 513-22	1.9	39
90	EEG during attacks of common and classical migraine. <i>Cephalalgia</i> , <b>1981</b> , 1, 63-6	6.1	39
89	Subjective sleep quality and daytime sleepiness in late midlife and their association with age-related changes in cognition. <i>Sleep Medicine</i> , <b>2016</b> , 17, 165-73	4.6	38
88	Influence of MK-801 on brain extracellular calcium and potassium activities in severe hypoglycemia. <i>Journal of Cerebral Blood Flow and Metabolism</i> , <b>1990</b> , 10, 136-9	7.3	38
87	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> , <b>2013</b> , 33, 161-9	7.3	36
86	Activity-dependent increases in local oxygen consumption correlate with postsynaptic currents in the mouse cerebellum in vivo. <i>Journal of Neuroscience</i> , <b>2011</b> , 31, 18327-37	6.6	35
85	Modification of activity-dependent increases in cerebellar blood flow by extracellular potassium in anaesthetized rats. <i>Journal of Physiology</i> , <b>1999</b> , 520 Pt 1, 281-92	3.9	34
84	Uncoupling of cerebral blood flow and metabolism after single episode of cortical spreading depression in the rat brain. <i>Brain Research</i> , <b>1986</b> , 370, 405-8	3.7	34

83	Magnetic field associated with neural activities in an isolated cerebellum. <i>Brain Research</i> , <b>1987</b> , 412, 151-57	3.7	32
82	Interneuron Deficit Associates Attenuated Network Synchronization to Mismatch of Energy Supply and Demand in Aging Mouse Brains. <i>Cerebral Cortex</i> , <b>2017</b> , 27, 646-659	5.1	30
81	Fast Ca responses in astrocyte end-feet and neurovascular coupling in mice. <i>Glia</i> , <b>2018</b> , 66, 348-358	9	30
80	Transient hyperemia succeeds oligemia in the wake of cortical spreading depression. <i>Brain Research</i> , <b>1993</b> , 602, 350-3	3.7	28
79	Apolipoprotein M-bound sphingosine-1-phosphate regulates blood-brain barrier paracellular permeability and transcytosis. <i>ELife</i> , <b>2019</b> , 8,	8.9	28
78	Early focal brain injury after subarachnoid hemorrhage correlates with spreading depolarizations. <i>Neurology</i> , <b>2019</b> , 92, e326-e341	6.5	28
77	Principal cell spiking, postsynaptic excitation, and oxygen consumption in the rat cerebellar cortex. <i>Journal of Neurophysiology</i> , <b>2009</b> , 102, 1503-12	3.2	27
76	Spreading depression of LeßSand its emerging relevance to acute brain injury in humans. <i>Journal of Cerebral Blood Flow and Metabolism</i> , <b>2017</b> , 37, 1553-1570	7.3	26
75	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> , <b>2011</b> , 31, 1588-98	7.3	26
74	Clinical trial of nimodipine for single attacks of classic migraine. <i>Cephalalgia</i> , <b>1985</b> , 5, 125-31	6.1	26
73	Gamma-aminobutyric acid modulates local brain oxygen consumption and blood flow in rat cerebellar cortex. <i>Journal of Cerebral Blood Flow and Metabolism</i> , <b>2008</b> , 28, 906-15	7.3	24
72	Contact allergy to methylidibromo glutaronitrile--data from a \$front line\$network. <i>Contact Dermatitis</i> , <b>2005</b> , 52, 138-41	2.7	24
71	Melatonin and cortisol profiles in late midlife and their association with age-related changes in cognition. <i>Nature and Science of Sleep</i> , <b>2016</b> , 8, 47-53	3.6	24
70	Cerebral haemodynamic response or excitability is not affected by sildenafil. <i>Journal of Cerebral Blood Flow and Metabolism</i> , <b>2009</b> , 29, 830-9	7.3	22
69	Nonspecific facilitation of responses to transcranial magnetic stimulation. <i>Muscle and Nerve</i> , <b>1999</b> , 22, 857-63	3.4	22
68	On the possible relation of spreading cortical depression to classical migraine. <i>Cephalalgia</i> , <b>1985</b> , 5 Suppl 2, 47-51	6.1	21
67	Functional recruitment of red blood cells to rat brain microcirculation accompanying increased neuronal activity in cerebellar cortex. <i>NeuroReport</i> , <b>1999</b> , 10, 3257-63	1.7	20
66	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> , <b>2017</b> , 37, 1820-1828	7.3	19

65	Prepro-vasoactive intestinal polypeptide-derived peptide sequences in cerebral blood vessels of rats: on the functional anatomy of metabolic autoregulation. <i>Journal of Cerebral Blood Flow and Metabolism</i> , <b>1991</b> , 11, 932-8	7.3	19
64	Activity-dependent calcium, oxygen, and vascular responses in a mouse model of familial hemiplegic migraine type 1. <i>Annals of Neurology</i> , <b>2016</b> , 80, 219-32	9.4	19
63	Spinal dorsal horn astrocytes release GABA in response to synaptic activation. <i>Journal of Physiology</i> , <b>2018</b> , 596, 4983-4994	3.9	18
62	NO- and non-NO-, non-prostanoid-dependent vasodilatation in rat sciatic nerve during maturation and developing experimental diabetic neuropathy. <i>Journal of Physiology</i> , <b>2002</b> , 543, 977-93	3.9	18
61	Systemic T-cell activation in acute clinically isolated optic neuritis. <i>Journal of Neuroimmunology</i> , <b>2005</b> , 162, 165-72	3.5	18
60	The effects of sodium nitroprusside on cerebral blood flow and cerebral venous blood gases. I. Observations in awake man during and following moderate blood pressure reduction. <i>European Journal of Clinical Investigation</i> , <b>1982</b> , 12, 383-7	4.6	18
59	Impaired neurovascular coupling by transhemispheric diaschisis in rat cerebral cortex. <i>Journal of Cerebral Blood Flow and Metabolism</i> , <b>2004</b> , 24, 713-9	7.3	17
58	GABAA Receptor-Mediated Bidirectional Control of Synaptic Activity, Intracellular Ca <sup>2+</sup> , Cerebral Blood Flow, and Oxygen Consumption in Mouse Somatosensory Cortex In Vivo. <i>Cerebral Cortex</i> , <b>2015</b> , 25, 2594-609	5.1	16
57	Continuous EEG Monitoring in a Consecutive Patient Cohort with Sepsis and Delirium. <i>Neurocritical Care</i> , <b>2020</b> , 32, 121-130	3.3	16
56	Neocortical gamma oscillations in idiopathic generalized epilepsy. <i>Epilepsia</i> , <b>2016</b> , 57, 796-804	6.4	15
55	Electromyography of pericranial muscles during treatment of spontaneous common migraine attacks. <i>Pain</i> , <b>1982</b> , 14, 137-147	8	14
54	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> , <b>2021</b> , 118,	11.5	13
53	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> , <b>2018</b> , 61, 215-224	5.6	13
52	Rev1 contributes to proper mitochondrial function via the PARP-NAD-SIRT1-PGC1 $\alpha$ axis. <i>Scientific Reports</i> , <b>2017</b> , 7, 12480	4.9	12
51	CaMKII-dependent endoplasmic reticulum fission by whisker stimulation and during cortical spreading depolarization. <i>Brain</i> , <b>2018</b> , 141, 1049-1062	11.2	11
50	In vivo mechanisms of acetylcholine-induced vasodilation in rat sciatic nerve. <i>American Journal of Physiology - Heart and Circulatory Physiology</i> , <b>2000</b> , 279, H1044-54	5.2	11
49	EEG correlates of visual short-term memory in older age vary with adult lifespan cognitive development. <i>Neurobiology of Aging</i> , <b>2018</b> , 62, 210-220	5.6	11
48	Deep sleep drives brain fluid oscillations. <i>Science</i> , <b>2019</b> , 366, 572-573	33.3	10

47	Associations between xerostomia, histopathological alterations, and autonomic innervation of labial salivary glands in men in late midlife. <i>Experimental Gerontology</i> , <b>2014</b> , 57, 211-7	4.5	10
46	Electrophysiological findings in a Danish family with Machado-Joseph disease. <i>Muscle and Nerve</i> , <b>1996</b> , 19, 743-50	3.4	10
45	Brain capillary pericytes and neurovascular coupling. <i>Comparative Biochemistry and Physiology Part A, Molecular &amp; Integrative Physiology</i> , <b>2021</b> , 254, 110893	2.6	10
44	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> , <b>2020</b> , 40, 2010-2025	7.3	10
43	Cognitive Change during the Life Course and Leukocyte Telomere Length in Late Middle-Aged Men. <i>Frontiers in Aging Neuroscience</i> , <b>2016</b> , 8, 300	5.3	9
42	Spontaneous astrocytic Ca activity abounds in electrically suppressed ischemic penumbra of aged mice. <i>Glia</i> , <b>2019</b> , 67, 37-52	9	9
41	Increased deoxythymidine triphosphate levels is a feature of relative cognitive decline. <i>Mitochondrion</i> , <b>2015</b> , 25, 34-7	4.9	8
40	Visual steady state in relation to age and cognitive function. <i>PLoS ONE</i> , <b>2017</b> , 12, e0171859	3.7	8
39	Conjugation of Therapeutic PSD-95 Inhibitors to the Cell-Penetrating Peptide Tat Affects Blood-Brain Barrier Adherence, Uptake, and Permeation. <i>Pharmaceutics</i> , <b>2020</b> , 12,	6.4	8
38	Hyposalivation and Poor Dental Health Status Are Potential Correlates of Age-Related Cognitive Decline in Late Midlife in Danish Men. <i>Frontiers in Aging Neuroscience</i> , <b>2018</b> , 10, 10	5.3	7
37	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> , <b>2017</b> , 37, 2494-2508	7.3	7
36	Elevated p16ink4a Expression in Human Labial Salivary Glands as a Potential Correlate of Cognitive Aging in Late Midlife. <i>PLoS ONE</i> , <b>2016</b> , 11, e0152612	3.7	7
35	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> , <b>2021</b> , 320, H699-H712	5.2	7
34	Neurostereologic Lesion Volumes and Spreading Depolarizations in Severe Traumatic Brain Injury Patients: A Pilot Study. <i>Neurocritical Care</i> , <b>2019</b> , 30, 557-568	3.3	6
33	Monitoring of blood oxygenation in brain by resonance Raman spectroscopy. <i>Journal of Biophotonics</i> , <b>2018</b> , 11, e201700311	3.1	6
32	Multiscale vision model highlights spontaneous glial calcium waves recorded by 2-photon imaging in brain tissue. <i>NeuroImage</i> , <b>2013</b> , 68, 192-202	7.9	6
31	Chlormezanone in the treatment of migraine attacks: a double blind comparison with diazepam and placebo. <i>Cephalalgia</i> , <b>1982</b> , 2, 205-10	6.1	6
30	Modeling neuro-vascular coupling in rat cerebellum: characterization of deviations from linearity. <i>NeuroImage</i> , <b>2009</b> , 45, 96-108	7.9	5



29	Discovering markers of healthy aging: a prospective study in a Danish male birth cohort. <i>Aging</i> , <b>2019</b> , 11, 5943-5974	5.6	5
28	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> , <b>2019</b> ,	1.6	4
27	Passive Double-Sensory Evoked Coherence Correlates with Long-Term Memory Capacity. <i>Frontiers in Human Neuroscience</i> , <b>2017</b> , 11, 598	3.3	4
26	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> , <b>2019</b> , 28, e12793	5.8	4
25	Contribution of somatosensory cortex to evoked cerebellar blood flow responses. <i>NeuroReport</i> , <b>2004</b> , 15, 695-8	1.7	3
24	Migraine with aura, cerebral ischemia, spreading depression, and compton scatter. <i>Headache</i> , <b>1991</b> , 31, 49-53	4.2	3
23	Precapillary sphincters control cerebral blood flow		3
22	Sensory Stimulation-Induced Astrocytic Calcium Signaling in Electrically Silent Ischemic Penumbra. <i>Frontiers in Aging Neuroscience</i> , <b>2019</b> , 11, 223	5.3	2
21	Multiscale vision model for event detection and reconstruction in two-photon imaging data. <i>Neurophotonics</i> , <b>2014</b> , 1, 011012	3.9	2
20	Apolipoprotein M-bound sphingosine-1-phosphate regulates blood-brain barrier paracellular permeability and transcytosis		2
19	In response: Gamma oscillations or spikes?. <i>Epilepsia</i> , <b>2016</b> , 57, 1524-5	6.4	1
18	REGIONAL CEREBRAL BLOOD FLOW IN INDUCED AND SPONTANEOUS ATTACKS OF COMMON MIGRAINE. <i>Acta Neurologica Scandinavica</i> , <b>2009</b> , 65, 72-73	3.8	1
17	rCBF after TIA and during migraine attacks. <i>Cephalalgia</i> , <b>1985</b> , 5 Suppl 2, 43-6	6.1	1
16	Brain barriers and their potential role in migraine pathophysiology.. <i>Journal of Headache and Pain</i> , <b>2022</b> , 23, 16	8.8	1
15	Integrated Measurements of Electrical Activity, Oxygen Tension, Blood Flow, and Ca <sup>2+</sup> -Signaling in Rodents In Vivo. <i>NeuroMethods</i> , <b>2014</b> , 243-264	0.4	1
14	Brain Responses to Passive Sensory Stimulation Correlate With Intelligence. <i>Frontiers in Aging Neuroscience</i> , <b>2019</b> , 11, 201	5.3	0
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