

Ulrich Dirnagl

List of Articles by Year in descending order

Source: [//exaly.com/author-pdf/7542502/publications.pdf](https://exaly.com/author-pdf/7542502/publications.pdf)

Version: 2025-02-01

320

PR articles

30,614

PR citations

3591

85

PR h-index

4262

171

g-index

407

documents

44969

doc citations

2615

98

h-index

58108

citing authors

#	ARTICLE	IF	CITATIONS
1	Early Complications After Mild to Moderate Ischemic Stroke and Impact on 3â€Month Outcome: The Multicenter Prospective Stroke Unit Plus Cohort Study. <i>Journal of the American Heart Association</i> , 2025, 14, .	4.0	2
2	Copy Number Variant Does Not Influence Stroke Severity in 2 C57BL/6J Mouse Models nor in Humans: An Exploratory Study. <i>Stroke</i> , 2025, 56, 725-736.	6.0	0
3	Challenges and Facilitators to Patient and Public Involvement In Stroke Research: Protocol for a Qualitative Study. <i>Health Expectations</i> , 2025, 28, .	2.9	1
4	Randomized Controlled Preclinical Trial of a Benzodiazepineâ€Dihydropyridine Hybrid Molecule in Rodent Stroke. <i>Journal of the American Heart Association</i> , 2025, 14, .	4.0	0
5	Refined movement analysis in the staircase test reveals differential motor deficits in mouse models of stroke. <i>Journal of Cerebral Blood Flow and Metabolism</i> , 2024, 44, 1551-1564.	4.7	4
6	Stroke patient and stakeholder engagement (SPSE): concepts, definitions, models, implementation strategies, indicators, and frameworksâ€a systematic scoping review. <i>Systematic Reviews</i> , 2024, 13, .	4.7	5
7	TREX1 p.A129fs and p.Y305C variants in a large multi-ethnic cohort of CADASIL-like unrelated patients. <i>Neurobiology of Aging</i> , 2023, 123, 208-215.	3.4	2
8	Community consensus on core open science practices to monitor in biomedicine. <i>PLoS Biology</i> , 2023, 21, e3001949.	5.0	38
9	Lesional Antibody Synthesis and Complement Deposition Associate With De Novo Antineuronal Antibody Synthesis After Spinal Cord Injury. <i>Neurology: Neuroimmunology and NeuroInflammation</i> , 2023, 10, .	6.7	8
10	The spinal cord injury-induced immune deficiency syndrome: results of the SCIntinel study. <i>Brain</i> , 2023, 146, 3500-3512.	8.4	21
11	Prediction of Stroke Outcome in Mice Based on Noninvasive MRI and Behavioral Testing. <i>Stroke</i> , 2023, 54, 2895-2905.	6.0	18
12	Paracrine Interleukin 6 Induces Cerebral Remodeling at Early Stages After Unilateral Common Carotid Artery Occlusion in Mice. <i>Frontiers in Cardiovascular Medicine</i> , 2022, 8, .	2.5	2
13	Long-Term Connectome Analysis Reveals Reshaping of Visual, Spatial Networks in a Model With Vascular Dementia Features. <i>Stroke</i> , 2022, 53, 1735-1745.	6.0	7
14	Reproducibility, relevance and reliability as barriers to efficient and credible biomedical technology translation. <i>Advanced Drug Delivery Reviews</i> , 2022, 182, 114118.	15.4	51
15	Planning preclinical confirmatory multicenter trials to strengthen translation from basic to clinical research â€a multi-stakeholder workshop report. <i>Translational Medicine Communications</i> , 2022, 7, .	1.4	18
16	PHACTR1 genetic variability is not critical in small vessel ischemic disease patients and Pcoma recruitment in C57BL/6J mice. <i>Scientific Reports</i> , 2021, 11, .	3.4	3
17	An exploratory investigation of brain collateral circulation plasticity after cerebral ischemia in two experimental C57BL/6 mouse models. <i>Journal of Cerebral Blood Flow and Metabolism</i> , 2020, 40, 276-287.	4.7	22
18	SorCS2 facilitates release of endostatin from astrocytes and controls postâ€stroke angiogenesis. <i>Glia</i> , 2020, 68, 1304-1316.	5.0	35

#	ARTICLE	IF	CITATIONS
19	A Semiquantitative Non-invasive Measurement of PcomA Patency in C57BL/6 Mice Explains Variance in Ischemic Brain Damage in Filament MCAo. <i>Frontiers in Neuroscience</i> , 2020, 14, .	2.7	9
20	Reporting animal research: Explanation and elaboration for the ARRIVE guidelines 2.0. <i>PLoS Biology</i> , 2020, 18, e3000411.	5.0	1,860
21	The ARRIVE guidelines 2.0: Updated guidelines for reporting animal research*. <i>Journal of Cerebral Blood Flow and Metabolism</i> , 2020, 40, 1769-1777.	4.7	1,099
22	Assessing the Organizational Climate for Translational Research with a New Survey Tool. <i>Science and Engineering Ethics</i> , 2020, 26, 2893-2910.	2.2	3
23	Investigating APOE, APP- β metabolism genes and Alzheimer's disease GWAS hits in brain small vessel ischemic disease. <i>Scientific Reports</i> , 2020, 10, .	3.4	19
24	Wisdom of the expert crowd prediction of response for 3 neurology randomized trials. <i>Neurology</i> , 2020, 95, .	1.0	6
25	Improving the trustworthiness, usefulness, and ethics of biomedical research through an innovative and comprehensive institutional initiative. <i>PLoS Biology</i> , 2020, 18, e3000576.	5.0	33
26	Systematic review of guidelines for internal validity in the design, conduct and analysis of preclinical biomedical experiments involving laboratory animals	2.0	46
27	Systematic review of guidelines for internal validity in the design, conduct and analysis of preclinical biomedical experiments involving laboratory animals. <i>BMJ Open Science</i> , 2020, 44, . The ARRIVE guidelines 2.0: updated guidelines for reporting animal research The ARRIVE guidelines 2.0: updated guidelines for reporting animal research. <i>BMJ Open Science</i> , 2020, 44, .	2.0	192
28	The worldwide clinical trial research response to the COVID-19 pandemic - the first 100 days. <i>F1000Research</i> , 2020, 9, 1193.	0.5	45
29	The worldwide clinical trial research response to the COVID-19 pandemic - the first 100 days. <i>F1000Research</i> , 2020, 9, 1193.	0.5	45
30	Improving quality of preclinical academic research through auditing: A feasibility study. <i>PLoS ONE</i> , 2020, 15, e0240719.	2.3	4
31	Result dissemination from clinical trials conducted at German university medical centers was delayed and incomplete. <i>Journal of Clinical Epidemiology</i> , 2019, 115, 37-45.	3.7	53
32	Human gestational <i>N</i> -methyl- <i>D</i> -aspartate receptor autoantibodies impair neonatal murine brain function. <i>Annals of Neurology</i> , 2019, 86, 656-670.	6.6	65
33	3Rs missing: animal research without scientific value is unethical 3Rs missing: animal research without scientific value is unethical. <i>BMJ Open Science</i> , 2019, 33, .	2.0	59
34	Outcome heterogeneity and bias in acute experimental spinal cord injury. <i>Neurology</i> , 2019, 93, .	1.0	37
35	Unique properties of PTEN-L contribute to neuroprotection in response to ischemic-like stress. <i>Scientific Reports</i> , 2019, 9, .	3.4	13
36	Atlas registration for edema-corrected MRI lesion volume in mouse stroke models. <i>Journal of Cerebral Blood Flow and Metabolism</i> , 2019, 39, 313-323.	4.7	78

#	ARTICLE	IF	CITATIONS
37	Mendelian adult-onset leukodystrophy genes in Alzheimer's disease: critical influence of CSF1R and NOTCH3. <i>Neurobiology of Aging</i> , 2018, 66, 179.e17-179.e29.	3.4	44
38	Die Bedeutung des intestinalen Mikrobioms beim ischämischen Schlaganfall. <i>Aktuelle Neurologie</i> , 2018, 45, 127-134.	0.2	1
39	Protocol for a systematic review of guidelines for rigour in the design, conduct and analysis of biomedical experiments involving laboratory animals. <i>BMJ Open Science</i> , 2018, 2, .	2.0	8
40	Exploratory Investigation of Intestinal Function and Bacterial Translocation After Focal Cerebral Ischemia in the Mouse. <i>Frontiers in Neurology</i> , 2018, 9, .	2.4	23
41	Revision of the ARRIVE guidelines: rationale and scope. <i>BMJ Open Science</i> , 2018, 2, .	2.0	39
42	Longitudinal 19F magnetic resonance imaging of brain oxygenation in a mouse model of vascular cognitive impairment using a cryogenic radiofrequency coil. <i>Magnetic Resonance Materials in Physics, Biology, and Medicine</i> , 2018, 32, 105-114.	1.6	7
43	Stage 1 Registered Report: Effect of deficient phagocytosis on neuronal survival and neurological outcome after temporary middle cerebral artery occlusion (tMCAo). <i>F1000Research</i> , 2018, 6, 1827.	0.5	7
44	Tracking the timely dissemination of clinical studies. Characteristics and impact of 10 tracking variables. <i>F1000Research</i> , 2018, 7, 1863.	0.5	6
45	Individual and temporal variability of the retina after chronic bilateral common carotid artery occlusion (BCCAO). <i>PLoS ONE</i> , 2018, 13, e0193961.	2.3	13
46	Neuroimaging Biomarkers Predict Brain Structural Connectivity Change in a Mouse Model of Vascular Cognitive Impairment. <i>Stroke</i> , 2017, 48, 468-475.	6.0	29
47	Increased homocysteine levels impair reference memory and reduce cortical levels of acetylcholine in a mouse model of vascular cognitive impairment. <i>Behavioural Brain Research</i> , 2017, 321, 201-208.	2.2	34
48	Long-term functional outcome in patients with acquired infections after acute spinal cord injury. <i>Neurology</i> , 2017, 88, 892-900.	1.0	106
49	Spinal cord injury-induced immunodeficiency is mediated by a sympathetic-neuroendocrine adrenal reflex. <i>Nature Neuroscience</i> , 2017, 20, 1549-1559.	17.0	169
50	Role of the Gut Microbiota in Ischemic Stroke. <i>Neurology International Open</i> , 2017, 01, E287-E293.	0.3	7
51	Dr Smart talks to Prof Pries and Prof Dirnagl on animal experimentation in biomedical research. <i>Cardiovascular Research</i> , 2017, 113, e12-e15.	5.5	3
52	Stage 1 Registered Report: Effect of deficient phagocytosis on neuronal survival and neurological outcome after temporary middle cerebral artery occlusion (tMCAo). <i>F1000Research</i> , 2017, 6, 1827.	0.5	7
53	Stage 1 Registered Report: Effect of deficient phagocytosis on neuronal survival and neurological outcome after temporary middle cerebral artery occlusion (tMCAo). <i>F1000Research</i> , 2017, 6, 1827.	0.5	1
54	Where Have All the Rodents Gone? The Effects of Attrition in Experimental Research on Cancer and Stroke. <i>PLoS Biology</i> , 2016, 14, e1002331.	5.0	110

#	ARTICLE	IF	CITATIONS
55	A Laboratory Critical Incident and Error Reporting System for Experimental Biomedicine. <i>PLoS Biology</i> , 2016, 14, e2000705.	5.0	18
56	Methylprednisolone blocks interleukin 1 beta induced calcitonin gene related peptide release in trigeminal ganglia cells. <i>Journal of Headache and Pain</i> , 2016, 17, .	7.0	30
57	Depletion of Cultivable Gut Microbiota by Broad-Spectrum Antibiotic Pretreatment Worsens Outcome After Murine Stroke. <i>Stroke</i> , 2016, 47, 1354-1363.	6.0	206
58	Neuroprotection in acute stroke: targeting excitotoxicity, oxidative and nitrosative stress, and inflammation. <i>Lancet Neurology</i> , The, 2016, 15, 869-881.	17.9	1,078
59	The Gut Microbiome as Therapeutic Target in Central Nervous System Diseases: Implications for Stroke. <i>Neurotherapeutics</i> , 2016, 13, 762-774.	6.1	106
60	Interaction of ARC and Daxx: A Novel Endogenous Target to Preserve Motor Function and Cell Loss after Focal Brain Ischemia in Mice. <i>Journal of Neuroscience</i> , 2016, 36, 8132-8148.	3.7	25
61	SCISSORâ€”Spinal Cord Injury Study on Small molecule-derived Rho inhibition: a clinical study protocol. <i>BMJ Open</i> , 2016, 6, e010651.	1.9	19
62	Human cerebrospinal fluid monoclonal N-methyl-D-aspartate receptor autoantibodies are sufficient for encephalitis pathogenesis. <i>Brain</i> , 2016, 139, 2641-2652.	8.4	285
63	Thomas Willis Lecture. <i>Stroke</i> , 2016, 47, 2148-2153.	6.0	61
64	Results of the ICTuS 2 Trial (Intravascular Cooling in the Treatment of Stroke 2). <i>Stroke</i> , 2016, 47, 2888-2895.	6.0	162
65	Gut microbiota impact on stroke outcome: Fad or fact?. <i>Journal of Cerebral Blood Flow and Metabolism</i> , 2016, 36, 891-898.	4.7	60
66	Spinal cord injury-induced immune deficiency syndrome enhances infection susceptibility dependent on lesion level. <i>Brain</i> , 2016, 139, 692-707.	8.4	217
67	A pocket guide to electronic laboratory notebooks in the academic life sciences. <i>F1000Research</i> , 2016, 5, 2.	0.5	34
68	Olfactory Ensheathing Cell Transplantation in Experimental Spinal Cord Injury: Effect size and Reporting Bias of 62 Experimental Treatments: A Systematic Review and Meta-Analysis. <i>PLoS Biology</i> , 2016, 14, e1002468.	5.0	80
69	Blocking Stroke-Induced Immunodeficiency Increases CNS Antigen-Specific Autoreactivity But Does Not Worsen Functional Outcome after Experimental Stroke. <i>Journal of Neuroscience</i> , 2015, 35, 7777-7794.	3.7	70
70	Methylenetetrahydrofolate reductase deficiency alters levels of glutamate and Î³-aminobutyric acid in brain tissue. <i>Molecular Genetics and Metabolism Reports</i> , 2015, 3, 1-4.	1.2	28
71	Elevated levels of plasma homocysteine, deficiencies in dietary folic acid and uracilâ€”DNA glycosylase impair learning in a mouse model of vascular cognitive impairment. <i>Behavioural Brain Research</i> , 2015, 283, 215-226.	2.2	37
72	Results of a preclinical randomized controlled multicenter trial (pRCT): Anti-CD49d treatment for acute brain ischemia. <i>Science Translational Medicine</i> , 2015, 7, .	12.5	237

#	ARTICLE	IF	CITATIONS
73	Vascular Change and Opposing Effects of the Angiotensin Type 2 Receptor in a Mouse Model of Vascular Cognitive Impairment. <i>Journal of Cerebral Blood Flow and Metabolism</i> , 2015, 35, 476-484.	4.7	30
74	Neurovascular Coupling During Cortical Spreading Depolarization and "Depression. <i>Stroke</i> , 2015, 46, 1392-1401.	6.0	48
75	Vascular Signal Transducer and Activator of Transcription-3 Promotes Angiogenesis and Neuroplasticity Long-Term After Stroke. <i>Circulation</i> , 2015, 131, 1772-1782.	18.1	81
76	Cholinergic Pathway Suppresses Pulmonary Innate Immunity Facilitating Pneumonia After Stroke. <i>Stroke</i> , 2015, 46, 3232-3240.	6.0	86
77	Infarct Volume Prediction by Early Magnetic Resonance Imaging in a Murine Stroke Model Depends on Ischemia Duration and Time of Imaging. <i>Stroke</i> , 2015, 46, 3249-3259.	6.0	30
78	A Dual-Labeled Annexin A5 is not Suited for SPECT Imaging of Brain Cell Death in Experimental Murine Stroke. <i>Journal of Cerebral Blood Flow and Metabolism</i> , 2014, 34, e1-e7.	4.7	7
79	Single-Cell Resolution Mapping of Neuronal Damage in Acute Focal Cerebral Ischemia Using Thallium Autoradiography. <i>Journal of Cerebral Blood Flow and Metabolism</i> , 2014, 34, 144-152.	4.7	6
80	Effect and Reporting Bias of RhoA/ROCK-Blockade Intervention on Locomotor Recovery After Spinal Cord Injury. <i>JAMA Neurology</i> , 2014, 71, 91.	17.6	90
81	Modeling Immunity and Inflammation in Stroke. <i>Stroke</i> , 2014, 45, .	6.0	10
82	Catabolic Signaling and Muscle Wasting After Acute Ischemic Stroke in Mice. <i>Stroke</i> , 2014, 45, 3675-3683.	6.0	96
83	Found in Translation. <i>Stroke</i> , 2014, 45, 1510-1518.	6.0	152
84	High prevalence of NMDA receptor IgA/IgM antibodies in different dementia types. <i>Annals of Clinical and Translational Neurology</i> , 2014, 1, 822-832.	3.8	125
85	Histone Acetylation and CREB Binding Protein Are Required for Neuronal Resistance against Ischemic Injury. <i>PLoS ONE</i> , 2014, 9, e95465.	2.3	50
86	Hoffnung auf Neuroprotektion. <i>InFo Neurologie & Psychiatrie</i> , 2013, 15, 22-22.	0.0	0
87	Electrochemical Failure of the Brain Cortex Is More Deleterious When it Is Accompanied by Low Perfusion. <i>Stroke</i> , 2013, 44, 490-496.	6.0	32
88	The neurotoxicity of hallucinogenic amphetamines in primary cultures of hippocampal neurons. <i>NeuroToxicology</i> , 2013, 34, 254-263.	3.7	40
89	Stroke induced Sarcopenia: Muscle wasting and disability after stroke. <i>International Journal of Cardiology</i> , 2013, 170, 89-94.	2.2	256
90	Investigation of changes in body composition, metabolic profile and skeletal muscle functional capacity in ischemic stroke patients: the rationale and design of the Body Size in Stroke Study (BoSSS). <i>Journal of Cachexia, Sarcopenia and Muscle</i> , 2013, 4, 199-207.	9.1	36

#	ARTICLE	IF	CITATIONS
91	Superiority of Preventive Antibiotic Treatment Compared with Standard Treatment of Poststroke Pneumonia in Experimental Stroke: A Bed to Bench Approach. <i>Journal of Cerebral Blood Flow and Metabolism</i> , 2013, 33, 846-854.	4.7	44
92	A Concerted Appeal for International Cooperation in Preclinical Stroke Research. <i>Stroke</i> , 2013, 44, 1754-1760.	6.0	100
93	The Microcirculationâ€™s Fantastic Voyage: Introduction. <i>Stroke</i> , 2013, 44, .	6.0	2
94	Specific Imaging of Inflammation with the 18kDa Translocator Protein Ligand DPA-714 in Animal Models of Epilepsy and Stroke. <i>PLoS ONE</i> , 2013, 8, e69529.	2.3	38
95	Mitochondrial hexokinase II (HKII) and phosphoprotein enriched in astrocytes (PEA15) form a molecular switch governing cellular fate depending on the metabolic state. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , 2012, 109, 1518-1523.	7.5	85
96	Primary trigeminal afferents are the main source for stimulus-induced CGRP release into jugular vein blood and CSF. <i>Cephalalgia</i> , 2012, 32, 659-667.	4.1	51
97	Evidence of Intrathecal Immunoglobulin Synthesis in Stroke. <i>Archives of Neurology</i> , 2012, 69, .	6.8	46
98	Pathobiology of injury after stroke: the neurovascular unit and beyond. <i>Annals of the New York Academy of Sciences</i> , 2012, 1268, 21-25.	4.0	198
99	Functional neurological recovery after spinal cord injury is impaired in patients with infections. <i>Brain</i> , 2012, 135, 3238-3250.	8.4	159
100	Essential role of interleukin-6 in post-stroke angiogenesis. <i>Brain</i> , 2012, 135, 1964-1980.	8.4	195
101	Immune responses after acute ischemic stroke or myocardial infarction. <i>International Journal of Cardiology</i> , 2012, 155, 372-377.	2.2	58
102	Visualizing Cell Death in Experimental Focal Cerebral Ischemia: Promises, Problems, and Perspectives. <i>Journal of Cerebral Blood Flow and Metabolism</i> , 2012, 32, 213-231.	4.7	133
103	Brain perfusion SPECT in the mouse: Normal pattern according to gender and age. <i>NeuroImage</i> , 2012, 63, 1807-1817.	4.4	26
104	Standard operating procedures (SOP) in experimental stroke research: SOP for middle cerebral artery occlusion in the mouse. <i>Nature Precedings</i> , 2012, , .	0.0	21
105	Small-molecule-induced Rho-inhibition: NSAIDs after spinal cord injury. <i>Cell and Tissue Research</i> , 2012, 349, 119-132.	2.7	68
106	The neurovascular unit as a selective barrier to polymorphonuclear granulocyte (PMN) infiltration into the brain after ischemic injury. <i>Acta Neuropathologica</i> , 2012, 125, 395-412.	9.2	215
107	Mitochondrial free radical production induced by glucose deprivation in cerebellar granule neurons. <i>Biochemistry (Moscow)</i> , 2011, 73, 149-155.	1.4	30
108	Modeling Stroke in Mice - Middle Cerebral Artery Occlusion with the Filament Model. <i>Journal of Visualized Experiments</i> , 2011, , .	0.3	139

#	ARTICLE	IF	CITATIONS
109	Protective conditioning of the brain: expressway or roadblock?. Journal of Physiology, 2011, 589, 4147-4155.	3.4	31
110	Systematic Survey of the Design, Statistical Analysis, and Reporting of Studies Published in the 2008 Volume of the Journal of Cerebral Blood Flow and Metabolism. Journal of Cerebral Blood Flow and Metabolism, 2011, 31, 1064-1072.	4.7	57
111	Visualization of Cell Death in MICE with Focal Cerebral Ischemia using Fluorescent Annexin A5, Propidium Iodide, and TUNEL Staining. Journal of Cerebral Blood Flow and Metabolism, 2011, 31, 1311-1320.	4.7	39
112	Rotation of Editorial Board Members and new publication formats. Journal of Cerebral Blood Flow and Metabolism, 2011, 31, 1501-1501.	4.7	0
113	Non-Resolving Aspects of Acute Inflammation after Spinal Cord Injury (SCI): Indices and Resolution Plateau. Brain Pathology, 2011, 21, 652-660.	5.0	109
114	Stroke and the immune system: from pathophysiology to new therapeutic strategies. Lancet Neurology, The, 2011, 10, 471-480.	17.9	503
115	Effect of 3,4-methylenedioxyamphetamine on dendritic spine dynamics in rat neocortical neurons - Involvement of heat shock protein 27. Brain Research, 2011, 1370, 43-52.	2.5	7
116	IL-1 β Stimulates COX-2 Dependent PGE2 Synthesis and CGRP Release in Rat Trigeminal Ganglia Cells. PLoS ONE, 2011, 6, e17360.	2.3	140
117	Acute pathophysiological processes after ischaemic and traumatic brain injury. Bailliere's Best Practice and Research in Clinical Anaesthesiology, 2010, 24, 495-509.	2.3	113
118	Pharmacological Uncoupling of Activation Induced Increases in CBF and CMRO 2. Journal of Cerebral Blood Flow and Metabolism, 2010, 30, 311-322.	4.7	81
119	Neurovascular Coupling in Rat Brain Operates Independent of Hemoglobin Deoxygenation. Journal of Cerebral Blood Flow and Metabolism, 2010, 30, 757-768.	4.7	89
120	Statistics in Experimental Cerebrovascular Research - Comparison of Two Groups with a Continuous Outcome Variable. Journal of Cerebral Blood Flow and Metabolism, 2010, 30, 474-479.	4.7	13
121	Statistics in Experimental Cerebrovascular Research: Comparison of More than Two Groups with a Continuous Outcome Variable. Journal of Cerebral Blood Flow and Metabolism, 2010, 30, 1558-1563.	4.7	38
122	Standard operating procedures (SOP) in experimental stroke research: SOP for middle cerebral artery occlusion in the mouse. Nature Precedings, 2010, , .	0.0	10
123	Pathophysiological interference with neurovascular coupling - when imaging based on hemoglobin might go blind. Frontiers in Neuroenergetics, 2010, 2, .	4.7	63
124	Pericytes in capillaries are contractile in vivo, but arterioles mediate functional hyperemia in the mouse brain. Proceedings of the National Academy of Sciences of the United States of America, 2010, 107, 22290-22295.	7.5	388
125	Elevating intracranial pressure reverses the decrease in deoxygenated hemoglobin and abolishes the post-stimulus overshoot upon somatosensory activation in rats. NeuroImage, 2010, 52, 445-454.	4.4	21
126	Membrane attack complex inhibitor CD59a protects against focal cerebral ischemia in mice. Journal of Neuroinflammation, 2010, 7, .	9.0	52

#	ARTICLE	IF	CITATIONS
127	Non-invasive surface-stripping for epifluorescence small animal imaging. Biomedical Optics Express, 2010, 1, 97.	2.8	8
128	INFECTION - AN AMENDMENT TO THE STROKE MODEL GUIDELINES. Journal of Experimental Stroke & Translational Medicine, 2010, 3, 29-32.	1.0	3
129	Infection - An Amendment to the Stroke Model Guidelines. Journal of Experimental Stroke & Translational Medicine, 2010, 03, .	1.0	2
130	Das Centrum für Schlaganfallforschung Berlin (CSB). E-Neuroforum, 2009, 15, 132-135.	0.2	0
131	Standard operating procedures (SOP) in experimental stroke research: SOP for middle cerebral artery occlusion in the mouse. Nature Precedings, 2009, , .	0.0	5
132	Effects of the PDE5-inhibitor vardenafil in a mouse stroke model. Brain Research, 2009, 1265, 148-157.	2.5	50
133	Preconditioning and tolerance against cerebral ischaemia: from experimental strategies to clinical use. Lancet Neurology, The, 2009, 8, 398-412.	17.9	557
134	Reprint: Good Laboratory Practice: Preventing Introduction of Bias at the Bench. Journal of Cerebral Blood Flow and Metabolism, 2009, 29, 221-223.	4.7	65
135	In Vivo Near-Infrared Fluorescence Imaging of Matrix Metalloproteinase Activity after Cerebral Ischemia. Journal of Cerebral Blood Flow and Metabolism, 2009, 29, 1284-1292.	4.7	63
136	Intracisternal Injection of Inflammatory Soup Activates the Trigeminal Nerve System. Cephalalgia, 2009, 29, 1212-1217.	4.1	13
137	Near-infrared fluorescence imaging with fluorescently labeled albumin: A novel method for non-invasive optical imaging of blood-brain barrier impairment after focal cerebral ischemia in mice. Journal of Neuroscience Methods, 2009, 180, 126-132.	2.2	78
138	Cortical spreading ischaemia is a novel process involved in ischaemic damage in patients with aneurysmal subarachnoid haemorrhage. Brain, 2009, 132, 1866-1881.	8.4	518
139	Mrp-8 and -14 mediate CNS injury in focal cerebral ischemia. Biochimica Et Biophysica Acta - Molecular Basis of Disease, 2009, 1792, 1198-1204.	4.1	61
140	Non-invasive visualization of CNS inflammation with nuclear and optical imaging. Neuroscience, 2009, 158, 1161-1173.	2.3	61
141	Brain-immune interactions in acute and chronic brain disorders. Neuroscience, 2009, 158, 969-971.	2.3	4
142	Inducible Nitric Oxide Synthase Does Not Mediate Brain Damage after Transient Focal Cerebral Ischemia in Mice. Journal of Cerebral Blood Flow and Metabolism, 2008, 28, 526-539.	4.7	24
143	5,7-Dihydroxytryptamine toxicity to serotonergic neurons in serum free raphe cultures. European Journal of Pharmacology, 2008, 588, 232-238.	4.3	12
144	Doxorubicin induces biphasic neurotoxicity to rat cortical neurons. NeuroToxicology, 2008, 29, 286-293.	3.7	41

#	ARTICLE	IF	CITATIONS
145	Endogenous neuroprotection: Mitochondria as gateways to cerebral preconditioning?. <i>Neuropharmacology</i> , 2008, 55, 334-344.	4.3	143
146	Hypothermia effects on neurovascular coupling and cerebral metabolic rate of oxygen. <i>NeuroImage</i> , 2008, 40, 1523-1532.	4.4	34
147	Chapter 2 The ischemic cascade and mediators of ischemic injury. <i>Handbook of Clinical Neurology / Edited By P J Vinken and G W Bruyn</i> , 2008, , 31-41.	0.4	28
148	Empirical Evidence of Bias in the Design of Experimental Stroke Studies. <i>Stroke</i> , 2008, 39, 929-934.	6.0	228
149	Nitric Oxide Modulates Spreading Depolarization Threshold in the Human and Rodent Cortex. <i>Stroke</i> , 2008, 39, 1292-1299.	6.0	86
150	Fluorescence tomography technique optimized for noninvasive imaging of the mouse brain. <i>Journal of Biomedical Optics</i> , 2008, 13, 041311.	2.3	17
151	In Vivo Imaging of the Inflammatory Receptor CD40 After Cerebral Ischemia Using a Fluorescent Antibody. <i>Stroke</i> , 2008, 39, 2845-2852.	6.0	55
152	Evidence for the Efficacy of NXY-059 in Experimental Focal Cerebral Ischaemia Is Confounded by Study Quality. <i>Stroke</i> , 2008, 39, 2824-2829.	6.0	301
153	Preventive Antibacterial Therapy in Acute Ischemic Stroke: A Randomized Controlled Trial. <i>PLoS ONE</i> , 2008, 3, e2158.	2.3	236
154	Phosphatidylinositol 3-Akt-Kinase-Dependent Phosphorylation of p21Waf1/Cip1 as a Novel Mechanism of Neuroprotection by Glucocorticoids. <i>Journal of Neuroscience</i> , 2007, 27, 4562-4571.	3.7	61
155	Sulfonylureas Improve Outcome in Patients With Type 2 Diabetes and Acute Ischemic Stroke. <i>Stroke</i> , 2007, 38, 2526-2530.	6.0	155
156	Neuroprotective effects of the $\hat{1}^2$ -carboline abecarnil studied in cultured cortical neurons and organotypic retinal cultures. <i>Neuropharmacology</i> , 2007, 52, 1488-1495.	4.3	12
157	Neurotoxicity mechanisms of thioether ecstasy metabolites. <i>Neuroscience</i> , 2007, 146, 1743-1757.	2.3	93
158	Protection from brain damage and bacterial infection in murine stroke by the novel caspase-inhibitor Q-VD-OPH. <i>Experimental Neurology</i> , 2007, 206, 183-191.	4.0	58
159	Stroke-Induced Immunodepression. <i>Stroke</i> , 2007, 38, 770-773.	6.0	451
160	Improved Reperfusion and Neuroprotection by Creatine in a Mouse Model of Stroke. <i>Journal of Cerebral Blood Flow and Metabolism</i> , 2007, 27, 452-459.	4.7	116
161	Tracking of systemically administered mononuclear cells in the ischemic brain by high-field magnetic resonance imaging. <i>NeuroImage</i> , 2006, 33, 886-897.	4.4	51
162	Impaired cerebrovascular reactivity after cortical spreading depression in rats: Restoration by nitric oxide or cGMP. <i>Experimental Neurology</i> , 2006, 202, 449-455.	4.0	32

#	ARTICLE	IF	CITATIONS
163	Ecstasy-induced cell death in cortical neuronal cultures is serotonin 2A-receptor-dependent and potentiated under hyperthermia. <i>Neuroscience</i> , 2006, 139, 1069-1081.	2.3	75
164	Noninvasive Near-infrared Imaging of Fluorochromes within the Brains of Live Mice: An In Vivo Phantom Study. <i>Molecular Imaging</i> , 2006, 5, .	4.2	18
165	Effects of Parecoxib on Plasma Protein Extravasation and c-Fos Expression in the Rat. <i>Headache</i> , 2006, 46, 276-285.	3.0	16
166	Physical Activity Improves Long-Term Stroke Outcome via Endothelial Nitric Oxide Synthase-Dependent Augmentation of Neovascularization and Cerebral Blood Flow. <i>Circulation Research</i> , 2006, 99, 1132-1140.	13.2	235
167	Functional imaging with Laser Speckle Contrast Analysis: Vascular compartment analysis and correlation with Laser Doppler Flowmetry and somatosensory evoked potentials. <i>Brain Research</i> , 2006, 1121, 95-103.	2.5	32
168	Stroke Propagates Bacterial Aspiration to Pneumonia in a Model of Cerebral Ischemia. <i>Stroke</i> , 2006, 37, 2607-2612.	6.0	187
169	CGRP Release and c-fos Expression within Trigeminal Nucleus Caudalis of the Rat following Glyceryltrinitrate Infusion. <i>Cephalalgia</i> , 2005, 25, 225-236.	4.1	68
170	Neuroprotective effects of atorvastatin against glutamate-induced excitotoxicity in primary cortical neurones. <i>Journal of Neurochemistry</i> , 2005, 92, 1386-1398.	3.8	191
171	Central nervous system injury-induced immune deficiency syndrome. <i>Nature Reviews Neuroscience</i> , 2005, 6, 775-786.	20.8	878
172	Nitric oxide modulates calcium entry through P/Q-type calcium channels and N-methyl-d-aspartate receptors in rat cortical neurons. <i>Brain Research</i> , 2005, 1063, 9-14.	2.5	24
173	Neuroprotective role of astrocytes in cerebral ischemia: Focus on ischemic preconditioning. <i>Glia</i> , 2005, 50, 307-320.	5.0	236
174	Role of glial cells in cerebral ischemia. <i>Glia</i> , 2005, 50, 281-286.	5.0	271
175	Circulating monocytic cells infiltrate layers of anterograde axonal degeneration where they transform into microglia. <i>FASEB Journal</i> , 2005, 19, 1-19.	0.6	103
176	Angiotensin AT2 receptor protects against cerebral ischemia-induced neuronal injury. <i>FASEB Journal</i> , 2005, 19, 1-25.	0.6	241
177	Increased Extracellular K ⁺ Concentration Reduces the Efficacy of N-methyl-d	6.0	85
178	Ion changes in spreading ischaemia induce rat middle cerebral artery constriction in the absence of NO. <i>Brain</i> , 2005, 128, 2042-2051.	8.4	136
179	Allosteric release of nitric oxide from hemoglobin does not mediate neurovascular coupling. <i>Journal of Cerebral Blood Flow and Metabolism</i> , 2005, 25, S207-S207.	4.7	2
180	Neuroprotective effects of creatine in a mouse model of stroke: An experimental MRI study. <i>Journal of Cerebral Blood Flow and Metabolism</i> , 2005, 25, S6-S6.	4.7	0

#	ARTICLE	IF	CITATIONS
181	Mechanisms of vascular reactivity during cortical spreading depression (CSD) and cortical spreading ischemia (CSI). <i>Journal of Cerebral Blood Flow and Metabolism</i> , 2005, 25, S483-S483.	4.7	0
182	The N-methyl-D-aspartate receptor (NMDAR) antagonist MK-801 does not block spreading ischemia in the rat. <i>Journal of Cerebral Blood Flow and Metabolism</i> , 2005, 25, S454-S454.	4.7	0
183	Increased extracellular potassium concentration reduces the efficacy of N-methyl-D-aspartate receptor antagonists to block spreading depression in human and rat brain slices. <i>Journal of Cerebral Blood Flow and Metabolism</i> , 2005, 25, S470-S470.	4.7	0
184	Therapierrelevante Pathophysiologie des akuten ischämischen Schlaganfalls: Was ist gesichert?. <i>Aktuelle Neurologie</i> , 2004, 31, 113-121.	0.2	1
185	Tyrosine Kinase Inhibition Reduces Inflammation in the Acute Stage of Experimental Pneumococcal Meningitis. <i>Infection and Immunity</i> , 2004, 72, 3294-3298.	2.7	16
186	Dysexecutive Syndrome After Mild Cerebral Ischemia?. <i>Stroke</i> , 2004, 35, 191-195.	6.0	56
187	Roller Organotypic Cultures of Postnatal Rat Retina. <i>Bulletin of Experimental Biology and Medicine</i> , 2004, 137, 419-422.	0.6	7
188	Partial Antagonistic Effect of Adenosine on Inverse Coupling Between Spreading Neuronal Activation and Cerebral Blood Flow in Rats. <i>Neurocritical Care</i> , 2004, 1, 85-94.	2.5	15
189	Pathophysiology of Stroke: Lessons from Animal Models. <i>Metabolic Brain Disease</i> , 2004, 19, 151-167.	2.9	278
190	HMG-CoA reductase inhibition causes neurite loss by interfering with geranylgeranylpyrophosphate synthesis. <i>Journal of Neurochemistry</i> , 2004, 89, 24-32.	3.8	97
191	Neuronal gelsolin prevents apoptosis by enhancing actin depolymerization. <i>Molecular and Cellular Neurosciences</i> , 2004, 25, 69-82.	2.2	77
192	Preventive Antibacterial Treatment Improves the General Medical and Neurological Outcome in a Mouse Model of Stroke. <i>Stroke</i> , 2004, 35, 2-6.	6.0	150
193	ET-1 induces cortical spreading depression via activation of the ETA receptor/phospholipase C pathway in vivo. <i>American Journal of Physiology - Heart and Circulatory Physiology</i> , 2004, 286, H1339-H1346.	3.6	49
194	Increased postischemic brain injury in mice deficient in uracil-DNA glycosylase. <i>Journal of Clinical Investigation</i> , 2004, 113, 1711-1721.	10.6	101
195	Increased postischemic brain injury in mice deficient in uracil-DNA glycosylase. <i>Journal of Clinical Investigation</i> , 2004, 113, 1711-1721.	10.6	53
196	Neuronal activity-induced changes of local cerebral microvascular blood oxygenation in the rat: effect of systemic hyperoxia or hypoxia. <i>Brain Research</i> , 2003, 975, 135-140.	2.5	36
197	Mechanisms of stroke protection by physical activity. <i>Annals of Neurology</i> , 2003, 54, 582-590.	6.6	286
198	Ischemia triggered by spreading neuronal activation is induced by endothelin-1 and hemoglobin in the subarachnoid space. <i>Annals of Neurology</i> , 2003, 54, 591-598.	6.6	62

#	ARTICLE	IF	CITATIONS
199	Role of NAD(P)H:quinone oxidoreductase in the progression of neuronal cell death in vitro and following cerebral ischaemia in vivo. <i>Journal of Neurochemistry</i> , 2003, 84, 1028-1039.	3.8	27
200	Cerebrovascular Vasodilation to Extraluminal Acidosis Occurs via Combined Activation of ATP-Sensitive and Ca ²⁺ -Activated Potassium Channels. <i>Journal of Cerebral Blood Flow and Metabolism</i> , 2003, 23, 1227-1238.	4.7	92
201	Stroke-induced Immunodeficiency Promotes Spontaneous Bacterial Infections and Is Mediated by Sympathetic Activation Reversal by Poststroke T Helper Cell Type 1-like Immunostimulation. <i>Journal of Experimental Medicine</i> , 2003, 198, 725-736.	9.2	886
202	A fluorescence-based method to assess plasma protein extravasation in rat dura mater using confocal laser scanning microscopy. <i>Brain Research Protocols</i> , 2003, 12, 77-82.	1.6	10
203	Hypoxia-Induced Stroke Tolerance in the Mouse Is Mediated by Erythropoietin. <i>Stroke</i> , 2003, 34, 1981-1986.	6.0	282
204	Ischemic tolerance and endogenous neuroprotection. <i>Trends in Neurosciences</i> , 2003, 26, 248-254.	9.7	758
205	Estrogen Increases Bone Marrow-Derived Endothelial Progenitor Cell Production and Diminishes Neointima Formation. <i>Circulation</i> , 2003, 107, 3059-3065.	18.1	432
206	Withdrawal of Statin Treatment Abrogates Stroke Protection in Mice. <i>Stroke</i> , 2003, 34, 551-557.	6.0	153
207	Bone Marrow-Derived Cells Expressing Green Fluorescent Protein under the Control of the Glial Fibrillary Acidic Protein Promoter Do Not Differentiate into Astrocytes In Vitro and In Vivo. <i>Journal of Neuroscience</i> , 2003, 23, 5004-5011.	3.7	55
208	Improved Protocol for SAGE Tag-to-Gene Allocation. <i>BioTechniques</i> , 2003, 34, 1212-1219.	6.2	2
209	Selective Neuronal Vulnerability Following Mild Focal Brain Ischemia in the Mouse. <i>Brain Pathology</i> , 2003, 13, 452-464.	5.0	80
210	Bone Marrow-Derived Progenitor Cells Modulate Vascular Reendothelialization and Neointimal Formation. <i>Arteriosclerosis, Thrombosis, and Vascular Biology</i> , 2002, 22, 1567-1572.	6.0	419
211	Endothelin-1 potently induces Leu ⁵ 's cortical spreading depression in vivo in the rat. <i>Brain</i> , 2002, 125, 102-112.	8.4	186
212	Ischemia Triggered by Red Blood Cell Products in the Subarachnoid Space Is Inhibited by Nimodipine Administration or Moderate Volume Expansion/Hemodilution in Rats. <i>Neurosurgery</i> , 2002, 51, 1457-1467.	2.0	82
213	Tolerance Against Ischemic Neuronal Injury Can Be Induced by Volatile Anesthetics and Is Inducible NO Synthase Dependent. <i>Stroke</i> , 2002, 33, 1889-1898.	6.0	273
214	Ischemia Triggered by Red Blood Cell Products in the Subarachnoid Space Is Inhibited by Nimodipine Administration or Moderate Volume Expansion/Hemodilution in Rats. <i>Neurosurgery</i> , 2002, 51, 1457-1467.	2.0	69
215	Isoflurane induced prolonged protection against cerebral ischemia in mice: a redox sensitive mechanism?. <i>NeuroReport</i> , 2002, 13, 1431-1435.	1.5	67
216	Neuroprotective effects of the antifungal drug clotrimazole. <i>Neuroscience</i> , 2002, 113, 47-53.	2.3	45

#	ARTICLE	IF	CITATIONS
217	Neuronal activation induced changes in microcirculatory haemoglobin oxygenation: to dip or not to dip. International Congress Series, 2002, 1235, 137-144.	0.2	1
218	Ischemia caused by inverse coupling between neuronal activation and cerebral blood flow in rats. International Congress Series, 2002, 1235, 487-492.	0.2	13
219	Serial Analysis of Gene Expression Identifies Metallothionein-II as Major Neuroprotective Gene in Mouse Focal Cerebral Ischemia. Journal of Neuroscience, 2002, 22, 5879-5888.	3.7	177
220	Erythropoietin Is a Paracrine Mediator of Ischemic Tolerance in the Brain: Evidence from an In Vitro Model. Journal of Neuroscience, 2002, 22, 10291-10301.	3.7	440
221	Rosuvastatin, a new HMG-CoA reductase inhibitor, upregulates endothelial nitric oxide synthase and protects from ischemic stroke in mice. Brain Research, 2002, 942, 23-30.	2.5	274
222	Focal laminar cortical MR signal abnormalities after subarachnoid hemorrhage. Annals of Neurology, 2002, 52, 825-829.	6.6	59
223	Triptans Reduce the Inflammatory Response in Bacterial Meningitis. Journal of Cerebral Blood Flow and Metabolism, 2002, 22, 988-996.	4.7	54
224	Turnover of Rat Brain Perivascular Cells. Experimental Neurology, 2001, 168, 242-249.	4.0	121
225	No Evidence for Early Decrease in Blood Oxygenation in Rat Whisker Cortex in Response to Functional Activation. NeuroImage, 2001, 13, 988-1001.	4.4	148
226	The cerebrovascular response to elevated potassium – role of nitric oxide in the in vitro model of isolated rat middle cerebral arteries. Neuroscience Letters, 2001, 306, 61-64.	1.9	14
227	Mild Cerebral Ischemia Induces Loss of Cyclin-Dependent Kinase Inhibitors and Activation of Cell Cycle Machinery before Delayed Neuronal Cell Death. Journal of Neuroscience, 2001, 21, 5045-5053.	3.7	225
228	Sulfonylurea Drugs Do Not Influence Initial Stroke Severity and In-Hospital Outcome in Stroke Patients With Diabetes. Stroke, 2001, 32, 2029-2032.	6.0	41
229	Nitric oxide from perivascular nerves modulates cerebral arterial pH reactivity. American Journal of Physiology - Heart and Circulatory Physiology, 2001, 281, H1353-H1363.	3.6	44
230	Differential Mechanisms of Neuroprotection by 17 β -Estradiol in Apoptotic versus Necrotic Neurodegeneration. Journal of Neuroscience, 2001, 21, 2600-2609.	3.7	153
231	Effects of cerebral ischemia in mice lacking DNA methyltransferase 1 in post-mitotic neurons. NeuroReport, 2001, 12, 3763-3766.	1.5	106
232	Ischämietoleranz. Der Nervenarzt, 2001, 72, 255-260.	0.8	12
233	Immune surveillance of mouse brain perivascular spaces by blood-borne macrophages. European Journal of Neuroscience, 2001, 14, 1651-1658.	3.5	190
234	The trigeminovascular system in bacterial meningitis. Microscopy Research and Technique, 2001, 53, 188-192.	2.1	4

#	ARTICLE	IF	CITATIONS
235	Proteolysis of Oxidized Proteins after Oxygen-Glucose Deprivation in Rat Cortical Neurons is Mediated by the Proteasome. <i>Journal of Cerebral Blood Flow and Metabolism</i> , 2001, 21, 1090-1096.	4.7	19
236	Ischaemia triggered by spreading neuronal activation is inhibited by vasodilators in rats. <i>Journal of Physiology</i> , 2001, 531, 515-526.	3.4	76
237	Protective effects of PJ34, a novel, potent inhibitor of poly(ADP-ribose) polymerase (PARP) in in vitro and in vivo models of stroke. <i>International Journal of Molecular Medicine</i> , 2001, , .	4.4	78
238	DNA Methyltransferase Contributes to Delayed Ischemic Brain Injury. <i>Journal of Neuroscience</i> , 2000, 20, 3175-3181.	3.7	299
239	Acute treatment of hypertension increases infarct sizes in spontaneously hypertensive rats. <i>NeuroReport</i> , 2000, 11, 355-359.	1.5	16
240	Induced Hypothermia in Experimental Pneumococcal Meningitis. <i>Journal of Cerebral Blood Flow and Metabolism</i> , 2000, 20, 834-838.	4.7	42
241	Saccadic Suppression Induces Focal Hypoxygenation in the Occipital Cortex. <i>Journal of Cerebral Blood Flow and Metabolism</i> , 2000, 20, 1103-1110.	4.7	67
242	Distinct Physiologic Properties of Microglia and Blood-Borne Cells in Rat Brain Slices After Permanent Middle Cerebral Artery Occlusion. <i>Journal of Cerebral Blood Flow and Metabolism</i> , 2000, 20, 1537-1549.	4.7	67
243	Hyperbaric oxygenation induced tolerance against focal cerebral ischemia in mice is strain dependent. <i>Brain Research</i> , 2000, 871, 146-150.	2.5	83
244	Atorvastatin Upregulates Type III Nitric Oxide Synthase in Thrombocytes, Decreases Platelet Activation, and Protects From Cerebral Ischemia in Normocholesterolemic Mice. <i>Stroke</i> , 2000, 31, 2442-2449.	6.0	366
245	Melatonin is protective in necrotic but not in caspase-dependent, free radical-independent apoptotic neuronal cell death in primary neuronal cultures. <i>FASEB Journal</i> , 2000, 14, 1814-1824.	0.6	54
246	Serotonin uptake and release mechanisms in developing cultures of rat embryonic raphe neurons: age- and region-specific differences. <i>Neuroscience</i> , 2000, 99, 519-527.	2.3	23
247	Role of nitric oxide in the ethylcholine aziridinium model of delayed apoptotic neurodegeneration in vivo and in vitro. <i>Neuroscience</i> , 2000, 97, 383-393.	2.3	28
248	Inhibition of Na ⁺ ,K ⁺ -ATPase activity in cultured rat cerebellar granule cells prevents the onset of apoptosis induced by low potassium. <i>Neuroscience Letters</i> , 2000, 283, 41-44.	1.9	60
249	Improved selective, simple, and contrast staining of acidophilic neurons with vanadium acid fuchsin. <i>Brain Research Protocols</i> , 2000, 5, 135-139.	1.6	48
250	Distinct influence of the group III metabotropic glutamate receptor agonist (R,S)-4-phosphonophenylglycine [(R,S)-PPG] on different forms of neuronal damage. <i>Neuropharmacology</i> , 2000, 39, 911-917.	4.3	29
251	Physical model for the spectroscopic analysis of cortical intrinsic optical signals. <i>Physics in Medicine and Biology</i> , 2000, 45, 3749-3764.	3.1	169
252	A fluorescence based non-radioactive electrophoretic mobility shift assay. <i>Journal of Biotechnology</i> , 2000, 78, 163-170.	3.8	78

#	ARTICLE	IF	CITATIONS
253	Nitric oxide: a modulator, but not a mediator, of neurovascular coupling in rat somatosensory cortex. <i>American Journal of Physiology - Heart and Circulatory Physiology</i> , 1999, 277, H799-H811.	3.6	121
254	Noninvasive Assessment of Changes in Cytochrome-c Oxidase Oxidation in Human Subjects during Visual Stimulation. <i>Journal of Cerebral Blood Flow and Metabolism</i> , 1999, 19, 592-603.	4.7	106
255	Respiratory Chain Inhibition Induces Tolerance to Focal Cerebral Ischemia. <i>Journal of Cerebral Blood Flow and Metabolism</i> , 1999, 19, 1229-1237.	4.7	146
256	Pathobiology of ischaemic stroke: an integrated view. <i>Trends in Neurosciences</i> , 1999, 22, 391-397.	9.7	3,667
257	Short-term block of Na ⁺ /K ⁺ -ATPase in neuro-glial cell cultures of cerebellum induces glutamate dependent damage of granule cells. <i>FEBS Letters</i> , 1999, 456, 41-44.	2.7	25
258	Analysis of CO ₂ Vasomotor Reactivity and Vessel Diameter Changes by Simultaneous Venous and Arterial Doppler Recordings. <i>Stroke</i> , 1999, 30, 81-86.	6.0	83
259	Attenuated Stroke Severity After Prodromal TIA. <i>Stroke</i> , 1999, 30, 1851-1854.	6.0	253
260	Cerebral Endothelial Cells Release TNF- α After Stimulation with Cell Walls of <i>Streptococcus pneumoniae</i> and Regulate Inducible Nitric Oxide Synthase and ICAM-1 Expression Via Autocrine Loops. <i>Journal of Immunology</i> , 1999, 163, 4308-4314.	0.6	104
261	Increased Formation of Reactive Oxygen Species after Permanent and Reversible Middle Cerebral Artery Occlusion in the Rat. <i>Journal of Cerebral Blood Flow and Metabolism</i> , 1998, 18, 196-205.	4.7	288
262	Nitric Oxide Scavenging by Hemoglobin or Nitric Oxide Synthase Inhibition by N-Nitro-L-Arginine Induces Cortical Spreading Ischemia When K ⁺ Is Increased in the Subarachnoid Space. <i>Journal of Cerebral Blood Flow and Metabolism</i> , 1998, 18, 978-990.	4.7	285
263	Cortical spreading depression-associated hyperemia in rats: involvement of serotonin. <i>Brain Research</i> , 1998, 783, 188-193.	2.5	32
264	Evidence that glypican is a receptor mediating β 2-amyloid neurotoxicity in PC12 cells. <i>European Journal of Neuroscience</i> , 1998, 10, 2085-2093.	3.5	18
265	Induction of hypoxia inducible factor 1 by oxygen glucose deprivation is attenuated by hypoxic preconditioning in rat cultured neurons. <i>Neuroscience Letters</i> , 1998, 254, 117-120.	1.9	96
266	Tumour necrosis factor alpha induces only minor inflammatory changes in the central nervous system, but augments experimental meningitis. <i>Neuroscience</i> , 1998, 86, 627-634.	2.3	26
267	Chemiluminescence detection of nitric oxide production from rat cerebral cortical endothelial cells in culture. <i>Brain Research Protocols</i> , 1998, 2, 175-182.	1.6	10
268	Separation of changes in light scattering and chromophore concentrations during cortical spreading depression in rats. <i>Optics Letters</i> , 1998, 23, 555.	3.0	54
269	Perivascular nerves contribute to cortical spreading depression-associated hyperemia in rats. <i>American Journal of Physiology - Heart and Circulatory Physiology</i> , 1998, 274, H1979-H1987.	3.6	41
270	ZK200775: A phosphonate quinoxalinedione AMPA antagonist for neuroprotection in stroke and trauma. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , 1998, 95, 10960-10965.	7.5	153

#	ARTICLE	IF	CITATIONS
271	Vascular imprints of neuronal activity: Relationships between the dynamics of cortical blood flow, oxygenation, and volume changes following sensory stimulation. Proceedings of the National Academy of Sciences of the United States of America, 1997, 94, 14826-14831.	7.5	416
272	Induction of tolerance in rat cortical neurons: hypoxic preconditioning. FEBS Letters, 1997, 414, 117-121.	2.7	121
273	Histamine (H1) receptor antagonist inhibits leukocyte rolling in pial vessels in the early phase of bacterial meningitis in rats. Neuroscience Letters, 1997, 226, 17-20.	1.9	25
274	Increased Hypoxic Tolerance by Chemical Inhibition of Oxidative Phosphorylation: "Chemical Preconditioning". Journal of Cerebral Blood Flow and Metabolism, 1997, 17, 257-264.	4.7	160
275	Noninvasive near Infrared Spectroscopy Monitoring of Regional Cerebral Blood Oxygenation Changes during Peri-Infarct Depolarizations in Focal Cerebral Ischemia in the Rat. Journal of Cerebral Blood Flow and Metabolism, 1997, 17, 950-954.	4.7	69
276	Heparin Inhibits Leukocyte Rolling in Pial Vessels and Attenuates Inflammatory Changes in a Rat Model of Experimental Bacterial Meningitis. Journal of Cerebral Blood Flow and Metabolism, 1997, 17, 1221-1229.	4.7	40
277	Laminar Analysis of Cerebral Blood Flow in Cortex of Rats by Laser-Doppler Flowmetry: A Pilot Study. Journal of Cerebral Blood Flow and Metabolism, 1997, 17, 1326-1336.	4.7	69
278	Rapid Ca ²⁺ -dependent NO-production from central nervous system cells in culture measured by NO-nitrite/ozone chemoluminescence. Brain Research, 1997, 748, 1-11.	2.5	45
279	Decrease in parietal cerebral hemoglobin oxygenation during performance of a verbal fluency task in patients with Alzheimer's disease monitored by means of near-infrared spectroscopy (NIRS) " correlation with simultaneous rCBF-PET measurements. Brain Research, 1997, 755, 293-303.	2.5	368
280	Excessive oxygen or glucose supply does not alter the blood flow response to somatosensory stimulation or spreading depression in rats. Brain Research, 1997, 761, 290-299.	2.5	57
281	Near Infrared Spectroscopy in the Diagnosis of Alzheimer's Disease. Annals of the New York Academy of Sciences, 1996, 777, 22-29.	4.0	77
282	Nitric oxide synthase inhibition does not affect somatosensory evoked potentials in the rat. Neuroscience Letters, 1996, 216, 207-210.	1.9	41
283	Cerebral oxygenation changes in response to motor stimulation. Journal of Applied Physiology, 1996, 81, 1174-1183.	2.8	221
284	Non-invasive functional mapping of the human motor cortex using near-infrared spectroscopy. NeuroReport, 1996, 7, 1977-1981.	1.5	120
285	Pneumococcal cell wall components induce nitric oxide synthase and TNF- α in astroglial-enriched cultures. , 1996, 16, 1-6.		63
286	Simultaneous Recording of Cerebral Blood Oxygenation Changes during Human Brain Activation by Magnetic Resonance Imaging and Near-Infrared Spectroscopy. Journal of Cerebral Blood Flow and Metabolism, 1996, 16, 817-826.	4.7	431
287	Systemic Nitric Oxide Synthase Inhibition Does Not Affect Brain Oxygenation during Cortical Spreading Depression in Rats: A Noninvasive Near-Infrared Spectroscopy and Laser-Doppler Flowmetry Study. Journal of Cerebral Blood Flow and Metabolism, 1996, 16, 1100-1107.	4.7	49
288	Role of Nitric Oxide Synthase Inhibition in Leukocyte-Endothelium Interaction in the Rat Pial Microvasculature. Journal of Cerebral Blood Flow and Metabolism, 1996, 16, 1143-1152.	4.7	29

#	ARTICLE	IF	CITATIONS
289	The Trigeminal Nerve and Augmentation of Regional Cerebral Blood Flow during Experimental Bacterial Meningitis. <i>Journal of Cerebral Blood Flow and Metabolism</i> , 1996, 16, 1319-1324.	4.7	23
290	Cerebral blood oxygenation changes induced by visual stimulation in humans. <i>Journal of Biomedical Optics</i> , 1996, 1, 399.	2.3	39
291	Nitric Oxide Modulates the CBF Response to Increased Extracellular Potassium. <i>Journal of Cerebral Blood Flow and Metabolism</i> , 1995, 15, 914-919.	4.7	64
292	Global Cerebral Ischemia in the Rat: Online Monitoring of Oxygen Free Radical Production Using Chemiluminescence in vivo. <i>Journal of Cerebral Blood Flow and Metabolism</i> , 1995, 15, 929-940.	4.7	152
293	Age Dependency of Changes in Cerebral Hemoglobin Oxygenation during Brain Activation: A Near-Infrared Spectroscopy Study. <i>Journal of Cerebral Blood Flow and Metabolism</i> , 1995, 15, 1103-1108.	4.7	158
294	Anti ICAM-1 (CD 54) monoclonal antibody reduces inflammatory changes in experimental bacterial meningitis. <i>Journal of Neuroimmunology</i> , 1995, 63, 63-68.	2.3	96
295	Focoidin, a polysaccharide inhibiting leukocyte rolling, attenuates inflammatory responses in experimental pneumococcal meningitis in rats. <i>Neuroscience Letters</i> , 1995, 191, 1-4.	1.9	68
296	Age-related changes of oxygen free radical production in the rat brain slice after hypoxia: on-line measurement using enhanced chemiluminescence. <i>Brain Research</i> , 1995, 703, 227-230.	2.5	43
297	Coupling of cerebral blood flow to neuronal activation: role of adenosine and nitric oxide. <i>American Journal of Physiology - Heart and Circulatory Physiology</i> , 1994, 267, H296-H301.	3.6	89
298	Subsurface Microscopical visualization of brain tissue in vivo: Present, problems and prospects. <i>Micron</i> , 1993, 24, 611-622.	2.2	5
299	Nitric Oxide Synthase Blockade Enhances Vasomotion in the Cerebral Microcirculation of Anesthetized Rats. <i>Microvascular Research</i> , 1993, 45, 318-323.	2.5	54
300	Role of nitric oxide in the coupling of cerebral blood flow to neuronal activation in rats. <i>Neuroscience Letters</i> , 1993, 149, 43-46.	1.9	219
301	Near infrared spectroscopy (NIRS): A new tool to study hemodynamic changes during activation of brain function in human adults. <i>Neuroscience Letters</i> , 1993, 154, 101-104.	1.9	1,112
302	Imaging of Leukocyte-Endothelium Interaction Using In Vivo Confocal Laser Scanning Microscopy during the Early Phase of Experimental Pneumococcal Meningitis. <i>Journal of Infectious Diseases</i> , 1993, 168, 927-933.	3.8	48
303	Global forebrain ischaemia in the rat: Controlled reduction of cerebral blood flow by hypobaric hypotension and two-vessel occlusion. <i>Neurological Research</i> , 1993, 15, 128-130.	1.5	60
304	Effect of Catalase on Regional Cerebral Blood Flow and Brain Edema during the Early Phase of Experimental Pneumococcal Meningitis. <i>Journal of Infectious Diseases</i> , 1992, 166, 1442-1445.	3.8	34
305	Cerebrovascular complications of bacterial meningitis in adults. <i>Neurology</i> , 1992, 42, 1497-1497.	1.0	254
306	In vivo confocal scanning laser microscopy of the cerebral microcirculation. <i>Journal of Microscopy</i> , 1992, 165, 147-157.	1.7	71

#	ARTICLE	IF	CITATIONS
307	Imaging of leukocytes within the rat brain cortex in vivo. <i>Microvascular Research</i> , 1991, 42, 305-315.	2.5	68
308	Three-Dimensional Reconstruction of the Rat Brain Cortical Microcirculation in vivo. <i>Journal of Cerebral Blood Flow and Metabolism</i> , 1991, 11, 353-360.	4.7	56
309	Microvascular Changes during the Early Phase of Experimental Bacterial Meningitis. <i>Journal of Cerebral Blood Flow and Metabolism</i> , 1990, 10, 914-922.	4.7	130
310	Autoregulation of Cerebral Blood Flow in Experimental Focal Brain Ischemia. <i>Journal of Cerebral Blood Flow and Metabolism</i> , 1990, 10, 327-336.	4.7	172
311	Pre- and post-treatment with MK-801 but not pretreatment alone reduces neocortical damage after focal cerebral ischemia in the rat. <i>Brain Research</i> , 1990, 527, 62-68.	2.5	111
312	Continuous Measurement of Cerebral Cortical Blood Flow by Laser-Doppler Flowmetry in a Rat Stroke Model. <i>Journal of Cerebral Blood Flow and Metabolism</i> , 1989, 9, 589-596.	4.7	462
313	Confocal laser microscopy to study microcirculation on the rat brain surface in vivo. <i>Brain Research</i> , 1989, 504, 159-160.	2.5	50
314	B-waves in healthy persons. <i>Neurological Research</i> , 1989, 11, 194-196.	1.5	53
315	Improving preclinical studies through replications. <i>ELife</i> , 0, 10, .	1.6	50
316	Introduction to the EQIPD quality system. <i>ELife</i> , 0, 10, .	1.6	67
317	Magnetic resonance and optical imaging of stroke induced brain inflammation. , 0, 2005, .		0
318	Title is missing!. , 0, .		1
319	Clinical translation of 3D-printed patient-specific bone implants: a consensus statement. <i>International Journal of Surgery</i> , 0, 111, 7497-7506.	5.4	2
320	How to integrate patient and carer perspectives, methodological rigor, and ethics into biomedical research funding. <i>PLoS Biology</i> , 0, 23, e3003551.	5.0	0