

Ulrich Dirnagl

List of Publications by Year in Descending Order

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The third column is the impact factor (IF) of the journal, and the fourth column is the number of citations of the article.

386 papers	34,186 citations	93 h-index	175 g-index
429 ext. papers	39,148 ext. citations	7 avg, IF	7.14 L-index

#	Paper	IF	Citations
386	#IchbinHannah and the fight for permanent jobs for postdocs: How a fictitious postdoc (almost) triggered a fundamental reform of German academia: How a fictitious postdoc (almost) triggered a fundamental reform of German academia.. <i>EMBO Reports</i> , 2022 , e54623	6.5	2
385	Long-Term Connectome Analysis Reveals Reshaping of Visual, Spatial Networks in a Model With Vascular Dementia Features.. <i>Stroke</i> , 2022 , STROKEAHA121036997	6.7	
384	Reproducibility, Relevance and Reliability as Barriers to Efficient and Credible Biomedical Technology Translation.. <i>Advanced Drug Delivery Reviews</i> , 2022 , 182, 114118	18.5	4
383	Paracrine Interleukin 6 Induces Cerebral Remodeling at Early Stages After Unilateral Common Carotid Artery Occlusion in Mice.. <i>Frontiers in Cardiovascular Medicine</i> , 2021 , 8, 805095	5.4	1
382	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, 6072	4.9	1
381	Incorporating equity, diversity, and inclusiveness into the Hong Kong Principles. <i>PLoS Biology</i> , 2021 , 19, e3001140	9.7	0
380	Introduction to the EQIPD quality system. <i>ELife</i> , 2021 , 10,	8.9	11
379	Improving target assessment in biomedical research: the GOT-IT recommendations. <i>Nature Reviews Drug Discovery</i> , 2021 , 20, 64-81	64.1	23
378	Improving preclinical studies through replications. <i>ELife</i> , 2021 , 10,	8.9	8
377	Kommentare zu R. Spanagel (2021): Replikationskrise in der präklinischen Suchtforschung und Vorschläge zur Krisenbewältigung. <i>Sucht</i> , 2021 , 67, 207-219	0.5	1
376	Ischemic Stroke: Basic Pathophysiology and Clinical Implication 2021 , 1-22		
375	External validity in translational biomedicine: understanding the conditions enabling the cause to have an effect.. <i>EMBO Molecular Medicine</i> , 2021 , e14334	12	1
374	Investigating APOE, APP- α metabolism genes and Alzheimer's disease GWAS hits in brain small vessel ischemic disease. <i>Scientific Reports</i> , 2020 , 10, 7103	4.9	7
373	Wisdom of the expert crowd prediction of response for 3 neurology randomized trials. <i>Neurology</i> , 2020 , 95, e488-e498	6.5	1
372	Improving the trustworthiness, usefulness, and ethics of biomedical research through an innovative and comprehensive institutional initiative. <i>PLoS Biology</i> , 2020 , 18, e3000576	9.7	12
371	Resolving the Tension Between Exploration and Confirmation in Preclinical Biomedical Research. <i>Handbook of Experimental Pharmacology</i> , 2020 , 257, 71-79	3.2	8
370	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 , 4, e100046	4.6	16

369	The ARRIVE guidelines 2.0: updated guidelines for reporting animal research. <i>BMJ Open Science</i> , 2020 , 4, e100115	4.6	30
368	The worldwide clinical trial research response to the COVID-19 pandemic - the first 100 days. <i>F1000Research</i> , 2020 , 9, 1193	3.6	28
367	The worldwide clinical trial research response to the COVID-19 pandemic - the first 100 days. <i>F1000Research</i> , 2020 , 9, 1193	3.6	22
366	Improving quality of preclinical academic research through auditing: A feasibility study. <i>PLoS ONE</i> , 2020 , 15, e0240719	3.7	0
365	Fiddle: a tool to combat publication bias by getting research out of the file drawer and into the scientific community. <i>Clinical Science</i> , 2020 , 134, 2729-2739	6.5	2
364	SorCS2 facilitates release of endostatin from astrocytes and controls post-stroke angiogenesis. <i>Glia</i> , 2020 , 68, 1304-1316	9	10
363	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, 576741	5.1	3
362	The ARRIVE guidelines 2.0: Updated guidelines for reporting animal research. <i>BMC Veterinary Research</i> , 2020 , 16, 242	2.7	42
361	The ARRIVE guidelines 2.0: Updated guidelines for reporting animal research. <i>PLoS Biology</i> , 2020 , 18, e3000410	9.7	757
360	Reporting animal research: Explanation and elaboration for the ARRIVE guidelines 2.0. <i>PLoS Biology</i> , 2020 , 18, e3000411	9.7	352
359	The ARRIVE guidelines 2.0: Updated guidelines for reporting animal research. <i>Journal of Cerebral Blood Flow and Metabolism</i> , 2020 , 40, 1769-1777	7.3	220
358	The Hong Kong Principles for assessing researchers: Fostering research integrity. <i>PLoS Biology</i> , 2020 , 18, e3000737	9.7	75
357	The ARRIVE guidelines 2.0: Updated guidelines for reporting animal research. <i>British Journal of Pharmacology</i> , 2020 , 177, 3617-3624	8.6	99
356	Assessing the Organizational Climate for Translational Research with a New Survey Tool. <i>Science and Engineering Ethics</i> , 2020 , 26, 2893-2910	3.1	1
355	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	7.3	11
354	Preregistration of exploratory research: Learning from the golden age of discovery. <i>PLoS Biology</i> , 2020 , 18, e3000690	9.7	15
353	Improving quality of preclinical academic research through auditing: A feasibility study 2020 , 15, e0240719		
352	Improving quality of preclinical academic research through auditing: A feasibility study 2020 , 15, e0240719		

351	Improving quality of preclinical academic research through auditing: A feasibility study 2020 , 15, e0240719		
350	Improving quality of preclinical academic research through auditing: A feasibility study 2020 , 15, e0240719		
349	Outcome heterogeneity and bias in acute experimental spinal cord injury: A meta-analysis. <i>Neurology</i> , 2019 , 93, e40-e51	6.5	14
348	Exact replication: Foundation of science or game of chance?. <i>PLoS Biology</i> , 2019 , 17, e3000188	9.7	12
347	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	5.7	19
346	Human gestational N-methyl-d-aspartate receptor autoantibodies impair neonatal murine brain function. <i>Annals of Neurology</i> , 2019 , 86, 656-670	9.4	26
345	3Rs missing: animal research without scientific value is unethical.. <i>BMJ Open Science</i> , 2019 , 3,	4.6	20
344	Refining humane endpoints in mouse models of disease by systematic review and machine learning-based endpoint definition. <i>ALTEX: Alternatives To Animal Experimentation</i> , 2019 , 36, 555-571	4.3	3
343	Unique properties of PTEN-L contribute to neuroprotection in response to ischemic-like stress. <i>Scientific Reports</i> , 2019 , 9, 3183	4.9	8
342	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> , 2019 , 32, 105-114	2.8	5
341	Rethinking research reproducibility. <i>EMBO Journal</i> , 2019 , 38,	13	15
340	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	7.3	26
339	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	5.6	23
338	Die Bedeutung des intestinalen Mikrobioms beim ischämischen Schlaganfall. <i>Aktuelle Neurologie</i> , 2018 , 45, 127-134		0
337	Health tips for research groups. <i>Nature</i> , 2018 , 557, 302-304	50.4	5
336	Tracking the timely dissemination of clinical studies. Characteristics and impact of 10 tracking variables. <i>F1000Research</i> , 2018 , 7, 1863	3.6	2
335	Individual and temporal variability of the retina after chronic bilateral common carotid artery occlusion (BCCAO). <i>PLoS ONE</i> , 2018 , 13, e0193961	3.7	8
334	Errors and Error Management in Biomedical Research 2018 , 149-160		1

333	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, e0000004	4.6	2
332	Exploratory Investigation of Intestinal Function and Bacterial Translocation After Focal Cerebral Ischemia in the Mouse. <i>Frontiers in Neurology</i> , 2018 , 9, 937	4.1	7
331	Revision of the ARRIVE guidelines: rationale and scope. <i>BMJ Open Science</i> , 2018 , 2, e0000002	4.6	20
330	Quality management for academic laboratories: burden or boon? Professional quality management could be very beneficial for academic research but needs to overcome specific caveats. <i>EMBO Reports</i> , 2018 , 19,	6.5	13
329	The bench is closer to the bedside than we think: Uncovering the ethical ties between preclinical researchers in translational neuroscience and patients in clinical trials. <i>PLoS Biology</i> , 2018 , 16, e2006343	9.7	15
328	Neuroimaging Biomarkers Predict Brain Structural Connectivity Change in a Mouse Model of Vascular Cognitive Impairment. <i>Stroke</i> , 2017 , 48, 468-475	6.7	16
327	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	3.4	16
326	Long-term functional outcome in patients with acquired infections after acute spinal cord injury. <i>Neurology</i> , 2017 , 88, 892-900	6.5	55
325	Increasing efficiency of preclinical research by group sequential designs. <i>PLoS Biology</i> , 2017 , 15, e2001307	9.7	25
324	Spinal cord injury-induced immunodeficiency is mediated by a sympathetic-neuroendocrine adrenal reflex. <i>Nature Neuroscience</i> , 2017 , 20, 1549-1559	25.5	76
323	Role of the Gut Microbiota in Ischemic Stroke. <i>Neurology International Open</i> , 2017 , 01, E287-E293		4
322	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	3.6	5
321	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	3.6	5
320	Preclinical research: Meet patients to sharpen up research. <i>Nature</i> , 2017 , 551, 300	50.4	1
319	Statistics in Experimental Stroke Research: From Sample Size Calculation to Data Description and Significance Testing. <i>Neuromethods</i> , 2016 , 301-315	0.4	
318	Human cerebrospinal fluid monoclonal N-methyl-D-aspartate receptor autoantibodies are sufficient for encephalitis pathogenesis. <i>Brain</i> , 2016 , 139, 2641-2652	11.2	148
317	Natural Killer (NK) Cell Functionality after human Spinal Cord Injury (SCI): protocol of a prospective, longitudinal study. <i>BMC Neurology</i> , 2016 , 16, 170	3.1	9
316	Thomas Willis Lecture: Is Translational Stroke Research Broken, and if So, How Can We Fix It?. <i>Stroke</i> , 2016 , 47, 2148-53	6.7	44

315	Ischemic Stroke: Basic Pathophysiology and Clinical Implication 2016 , 3385-3405		
314	Results of the ICTuS 2 Trial (Intravascular Cooling in the Treatment of Stroke 2). <i>Stroke</i> , 2016 , 47, 2888-2895		89
313	Influence of essential amino acids on muscle mass and muscle strength in patients with cerebral stroke during early rehabilitation: protocol and rationale of a randomized clinical trial (AMINO-Stroke Study). <i>BMC Neurology</i> , 2016 , 16, 10	3.1	7
312	Gut microbiota impact on stroke outcome: Fad or fact?. <i>Journal of Cerebral Blood Flow and Metabolism</i> , 2016 , 36, 891-8	7.3	44
311	Spinal cord injury-induced immune deficiency syndrome enhances infection susceptibility dependent on lesion level. <i>Brain</i> , 2016 , 139, 692-707	11.2	119
310	A pocket guide to electronic laboratory notebooks in the academic life sciences. <i>F1000Research</i> , 2016 , 5, 2	3.6	21
309	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	9.7	60
308	Complexities, Confounders, and Challenges in Experimental Stroke Research: A Checklist for Researchers and Reviewers. <i>Neuromethods</i> , 2016 , 317-331	0.4	
307	Where Have All the Rodents Gone? The Effects of Attrition in Experimental Research on Cancer and Stroke. <i>PLoS Biology</i> , 2016 , 14, e1002331	9.7	55
306	A Laboratory Critical Incident and Error Reporting System for Experimental Biomedicine. <i>PLoS Biology</i> , 2016 , 14, e2000705	9.7	6
305	Methylprednisolone blocks interleukin 1 beta induced calcitonin gene related peptide release in trigeminal ganglia cells. <i>Journal of Headache and Pain</i> , 2016 , 17, 19	8.8	19
304	Depletion of Cultivable Gut Microbiota by Broad-Spectrum Antibiotic Pretreatment Worsens Outcome After Murine Stroke. <i>Stroke</i> , 2016 , 47, 1354-63	6.7	119
303	Neuroprotection in acute stroke: targeting excitotoxicity, oxidative and nitrosative stress, and inflammation. <i>Lancet Neurology</i> , 2016 , 15, 869-881	24.1	551
302	Quality Control and Standard Operating Procedures. <i>Neuromethods</i> , 2016 , 291-300	0.4	0
301	The Gut Microbiome as Therapeutic Target in Central Nervous System Diseases: Implications for Stroke. <i>Neurotherapeutics</i> , 2016 , 13, 762-774	6.4	65
300	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, 8132-48	6.6	16
299	SCISSOR-Spinal Cord Injury Study on Small molecule-derived Rho inhibition: a clinical study protocol. <i>BMJ Open</i> , 2016 , 6, e010651	3	13
298	Results of a preclinical randomized controlled multicenter trial (pRCT): Anti-CD49d treatment for acute brain ischemia. <i>Science Translational Medicine</i> , 2015 , 7, 299ra121	17.5	167

297	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, 476-84	7.3	26
296	Neurovascular coupling during cortical spreading depolarization and -depression. <i>Stroke</i> , 2015 , 46, 1392-401	4.1	30
295	Vascular signal transducer and activator of transcription-3 promotes angiogenesis and neuroplasticity long-term after stroke. <i>Circulation</i> , 2015 , 131, 1772-82	16.7	46
294	Cholinergic Pathway Suppresses Pulmonary Innate Immunity Facilitating Pneumonia After Stroke. <i>Stroke</i> , 2015 , 46, 3232-40	6.7	54
293	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, 3249-59	6.7	12
292	Robust research: Institutions must do their part for reproducibility. <i>Nature</i> , 2015 , 525, 25-7	50.4	69
291	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, 7777-94	6.6	46
290	Methylenetetrahydrofolate reductase deficiency alters levels of glutamate and γ -aminobutyric acid in brain tissue. <i>Molecular Genetics and Metabolism Reports</i> , 2015 , 3, 1-4	1.8	15
289	Elevated levels of plasma homocysteine, deficiencies in dietary folic acid and uracil-DNA glycosylase impair learning in a mouse model of vascular cognitive impairment. <i>Behavioural Brain Research</i> , 2015 , 283, 215-26	3.4	22
288	Catabolic signaling and muscle wasting after acute ischemic stroke in mice: indication for a stroke-specific sarcopenia. <i>Stroke</i> , 2014 , 45, 3675-83	6.7	60
287	Biomedical research: increasing value, reducing waste. <i>Lancet, The</i> , 2014 , 383, 101-4	40	527
286	High prevalence of NMDA receptor IgA/IgM antibodies in different dementia types. <i>Annals of Clinical and Translational Neurology</i> , 2014 , 1, 822-32	5.3	78
285	Changing the mindset in life sciences toward translation: a consensus. <i>Science Translational Medicine</i> , 2014 , 6, 264cm12	17.5	31
284	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,	7.3	7
283	Single-cell resolution mapping of neuronal damage in acute focal cerebral ischemia using thallium autometallography. <i>Journal of Cerebral Blood Flow and Metabolism</i> , 2014 , 34, 144-52	7.3	4
282	Distinguishing between exploratory and confirmatory preclinical research will improve translation. <i>PLoS Biology</i> , 2014 , 12, e1001863	9.7	136
281	Effect and reporting bias of RhoA/ROCK-blockade intervention on locomotor recovery after spinal cord injury: a systematic review and meta-analysis. <i>JAMA Neurology</i> , 2014 , 71, 91-9	17.2	66
280	Modeling immunity and inflammation in stroke: can mice be trusted?. <i>Stroke</i> , 2014 , 45, e177-8	6.7	7

279	Histone acetylation and CREB binding protein are required for neuronal resistance against ischemic injury. <i>PLoS ONE</i> , 2014 , 9, e95465	3.7	41
278	Old Dogmas, Surprising Complexities, and Novel Therapeutic Targets 2014 , 1-8		
277	The neurovascular unit as a selective barrier to polymorphonuclear granulocyte (PMN) infiltration into the brain after ischemic injury. <i>Acta Neuropathologica</i> , 2013 , 125, 395-412	14.3	156
276	Hoffnung auf Neuroprotektion. <i>InFo Neurologie & Psychiatrie</i> , 2013 , 15, 22-22	0	
275	The SCIntinel study--prospective multicenter study to define the spinal cord injury-induced immune depression syndrome (SCI-IDS)--study protocol and interim feasibility data. <i>BMC Neurology</i> , 2013 , 13, 168	3.1	29
274	Electrochemical failure of the brain cortex is more deleterious when it is accompanied by low perfusion. <i>Stroke</i> , 2013 , 44, 490-6	6.7	25
273	The neurotoxicity of hallucinogenic amphetamines in primary cultures of hippocampal neurons. <i>NeuroToxicology</i> , 2013 , 34, 254-63	4.4	31
272	Stroke induced Sarcopenia: muscle wasting and disability after stroke. <i>International Journal of Cardiology</i> , 2013 , 170, 89-94	3.2	142
271	A functional role of the cyclin-dependent kinase inhibitor 1 (p21(WAF1/CIP1)) for neuronal preconditioning. <i>Journal of Cerebral Blood Flow and Metabolism</i> , 2013 , 33, 351-5	7.3	8
270	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	10.3	21
269	Ischemic Stroke: Basic Pathophysiology and Clinical Implication 2013 , 2543-2563		1
268	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, 846-54	7.3	34
267	A concerted appeal for international cooperation in preclinical stroke research. <i>Stroke</i> , 2013 , 44, 1754-60	6.7	81
266	The microcirculation--fantastic voyage: introduction. <i>Stroke</i> , 2013 , 44, S83	6.7	2
265	Certain types of iron oxide nanoparticles are not suited to passively target inflammatory cells that infiltrate the brain in response to stroke. <i>Journal of Cerebral Blood Flow and Metabolism</i> , 2013 , 33, e1-9	7.3	46
264	Specific imaging of inflammation with the 18 kDa translocator protein ligand DPA-714 in animal models of epilepsy and stroke. <i>PLoS ONE</i> , 2013 , 8, e69529	3.7	35
263	Pathobiology of injury after stroke: the neurovascular unit and beyond. <i>Annals of the New York Academy of Sciences</i> , 2012 , 1268, 21-5	6.5	144
262	Functional neurological recovery after spinal cord injury is impaired in patients with infections. <i>Brain</i> , 2012 , 135, 3238-50	11.2	94

261	Essential role of interleukin-6 in post-stroke angiogenesis. <i>Brain</i> , 2012 , 135, 1964-80	11.2	139
260	Immune responses after acute ischemic stroke or myocardial infarction. <i>International Journal of Cardiology</i> , 2012 , 155, 372-7	3.2	43
259	Visualizing cell death in experimental focal cerebral ischemia: promises, problems, and perspectives. <i>Journal of Cerebral Blood Flow and Metabolism</i> , 2012 , 32, 213-31	7.3	93
258	Brain perfusion SPECT in the mouse: normal pattern according to gender and age. <i>NeuroImage</i> , 2012 , 63, 1807-17	7.9	20
257	Standard operating procedures (SOP) in experimental stroke research: SOP for middle cerebral artery occlusion in the mouse. <i>Nature Precedings</i> , 2012 ,		13
256	Small-molecule-induced Rho-inhibition: NSAIDs after spinal cord injury. <i>Cell and Tissue Research</i> , 2012 , 349, 119-32	4.2	54
255	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, 1518-23	11.5	46
254	Primary trigeminal afferents are the main source for stimulus-induced CGRP release into jugular vein blood and CSF. <i>Cephalalgia</i> , 2012 , 32, 659-67	6.1	39
253	Evidence of intrathecal immunoglobulin synthesis in stroke: a cohort study. <i>Archives of Neurology</i> , 2012 , 69, 714-7		29
252	Modeling stroke in mice - middle cerebral artery occlusion with the filament model. <i>Journal of Visualized Experiments</i> , 2011 ,	1.6	100
251	Protective conditioning of the brain: expressway or roadblock?. <i>Journal of Physiology</i> , 2011 , 589, 4147-55.9		28
250	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. <i>Journal of Cerebral Blood Flow and Metabolism</i> , 2011 , 31, 1064-72	7.3	42
249	Visualization of cell death in mice with focal cerebral ischemia using fluorescent annexin A5, propidium iodide, and TUNEL staining. <i>Journal of Cerebral Blood Flow and Metabolism</i> , 2011 , 31, 1311-20	7.3	34
248	Non-resolving aspects of acute inflammation after spinal cord injury (SCI): indices and resolution plateau. <i>Brain Pathology</i> , 2011 , 21, 652-60	6	74
247	Stroke and the immune system: from pathophysiology to new therapeutic strategies. <i>Lancet Neurology</i> , 2011 , 10, 471-80	24.1	316
246	Effect of 3,4-methylenedioxymphetamine on dendritic spine dynamics in rat neocortical neurons--involvement of heat shock protein 27. <i>Brain Research</i> , 2011 , 1370, 43-52	3.7	5
245	Body weight after stroke: lessons from the obesity paradox. <i>Stroke</i> , 2011 , 42, 3646-50	6.7	94
244	SUMO2/3 conjugation is an endogenous neuroprotective mechanism. <i>Journal of Cerebral Blood Flow and Metabolism</i> , 2011 , 31, 2152-9	7.3	97

243	IL-1 β stimulates COX-2 dependent PGE $_2$ synthesis and CGRP release in rat trigeminal ganglia cells. <i>PLoS ONE</i> , 2011 , 6, e17360	3.7	89
242	Hypothermia for Stroke: call to action 2010. <i>International Journal of Stroke</i> , 2010 , 5, 489-92	6.3	29
241	Pharmacological uncoupling of activation induced increases in CBF and CMRO $_2$. <i>Journal of Cerebral Blood Flow and Metabolism</i> , 2010 , 30, 311-22	7.3	69
240	Neurovascular coupling in rat brain operates independent of hemoglobin deoxygenation. <i>Journal of Cerebral Blood Flow and Metabolism</i> , 2010 , 30, 757-68	7.3	74
239	Statistics in experimental cerebrovascular research-comparison of two groups with a continuous outcome variable. <i>Journal of Cerebral Blood Flow and Metabolism</i> , 2010 , 30, 474-9	7.3	8
238	Determination of the brain-blood partition coefficient for water in mice using MRI. <i>Journal of Cerebral Blood Flow and Metabolism</i> , 2010 , 30, 1821-4	7.3	29
237	Statistics in experimental cerebrovascular research: comparison of more than two groups with a continuous outcome variable. <i>Journal of Cerebral Blood Flow and Metabolism</i> , 2010 , 30, 1558-63	7.3	24
236	Oxygen maps in the brain. <i>Nature Methods</i> , 2010 , 7, 697-9	21.6	2
235	Standard operating procedures (SOP) in experimental stroke research: SOP for middle cerebral artery occlusion in the mouse. <i>Nature Precedings</i> , 2010 ,		5
234	Pathophysiological interference with neurovascular coupling - when imaging based on hemoglobin might go blind. <i>Frontiers in Neuroenergetics</i> , 2010 , 2,		53
233	CD93/AA4.1: a novel regulator of inflammation in murine focal cerebral ischemia. <i>Journal of Immunology</i> , 2010 , 184, 6407-17	5.3	30
232	Pericytes in capillaries are contractile in vivo, but arterioles mediate functional hyperemia in the mouse brain. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , 2010 , 107, 22290-5	11.5	298
231	Elevating intracranial pressure reverses the decrease in deoxygenated hemoglobin and abolishes the post-stimulus overshoot upon somatosensory activation in rats. <i>NeuroImage</i> , 2010 , 52, 445-54	7.9	18
230	Membrane attack complex inhibitor CD59a protects against focal cerebral ischemia in mice. <i>Journal of Neuroinflammation</i> , 2010 , 7, 15	10.1	40
229	Non-invasive surface-stripping for epifluorescence small animal imaging. <i>Biomedical Optics Express</i> , 2010 , 1, 97-105	3.5	6
228	Acute pathophysiological processes after ischaemic and traumatic brain injury. <i>Baillieres Best Practice and Research in Clinical Anaesthesiology</i> , 2010 , 24, 495-509	4	79
227	INFECTION - AN AMENDMENT TO THE STROKE MODEL GUIDELINES. <i>Journal of Experimental Stroke & Translational Medicine</i> , 2010 , 3, 29-32		2
226	Complexities, Confounders, and Challenges in Experimental Stroke Research: A Checklist for Researchers and Reviewers. <i>NeuroMethods</i> , 2010 , 263-277	0.4	5

225	Statistics in Experimental Stroke Research: From Sample Size Calculation to Data Description and Significance Testing. <i>Neuromethods</i> , 2010 , 249-261	0.4	
224	Quality Control and Standard Operating Procedures. <i>Neuromethods</i> , 2010 , 239-248	0.4	1
223	Standard operating procedures (SOP) in experimental stroke research: SOP for middle cerebral artery occlusion in the mouse. <i>Nature Precedings</i> , 2009 ,		1
222	Reprint: Good laboratory practice: preventing introduction of bias at the bench. <i>Stroke</i> , 2009 , 29, 221-3	6.7	236
221	Effects of the PDE5-inhibitor vardenafil in a mouse stroke model. <i>Brain Research</i> , 2009 , 1265, 148-57	3.7	46
220	Preconditioning and tolerance against cerebral ischaemia: from experimental strategies to clinical use. <i>Lancet Neurology</i> , 2009 , 8, 398-412	24.1	466
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