

# Dirk Megow

## List of Publications by Year in descending order

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Version: 2024-02-01

25  
papers

2,196  
citations

394421

19  
h-index

610901

24  
g-index

27  
all docs

27  
docs citations

27  
times ranked

2752  
citing authors

#	ARTICLE	IF	CITATIONS
1	Erythropoietin Is a Paracrine Mediator of Ischemic Tolerance in the Brain: Evidence from an <i>In Vitro</i> Model. <i>Journal of Neuroscience</i> , 2002, 22, 10291-10301.	3.6	436
2	Products of hemolysis in the subarachnoid space inducing spreading ischemia in the cortex and focal necrosis in rats: a model for delayed ischemic neurological deficits after subarachnoid hemorrhage?. <i>Journal of Neurosurgery</i> , 2000, 93, 658-666.	1.6	221
3	Desferrioxamine Induces Delayed Tolerance against Cerebral Ischemia <i>in Vivo</i> and <i>in Vitro</i> . <i>Journal of Cerebral Blood Flow and Metabolism</i> , 2002, 22, 520-525.	4.3	185
4	Neuroprotective effects of atorvastatin against glutamate-induced excitotoxicity in primary cortical neurones. <i>Journal of Neurochemistry</i> , 2005, 92, 1386-1398.	3.9	185
5	Differential Mechanisms of Neuroprotection by 17 $\beta$ -Estradiol in Apoptotic versus Necrotic Neurodegeneration. <i>Journal of Neuroscience</i> , 2001, 21, 2600-2609.	3.6	147
6	Preventive Antibacterial Treatment Improves the General Medical and Neurological Outcome in a Mouse Model of Stroke. <i>Stroke</i> , 2004, 35, 2-6.	2.0	144
7	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.	3.2	114
8	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.	4.3	109
9	HMG-CoA reductase inhibition causes neurite loss by interfering with geranylgeranylpyrophosphate synthesis. <i>Journal of Neurochemistry</i> , 2004, 89, 24-32.	3.9	93
10	Hyperbaric oxygenation induced tolerance against focal cerebral ischemia in mice is strain dependent. <i>Brain Research</i> , 2000, 871, 146-150.	2.2	83
11	Increased Extracellular K <sup>+</sup> Concentration Reduces the Efficacy of N-methyl-D-aspartate Receptor Antagonists to Block Spreading Depression-Like Depolarizations and Spreading Ischemia. <i>Stroke</i> , 2005, 36, 1270-1277.	2.0	76
12	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.	7.1	76
13	<i>In Vivo</i> Near-Infrared Fluorescence Imaging of Matrix Metalloproteinase Activity after Cerebral Ischemia. <i>Journal of Cerebral Blood Flow and Metabolism</i> , 2009, 29, 1284-1292.	4.3	62
14	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.	2.2	43
15	Induction of ischemic tolerance in rat cortical neurons by 3-nitropropionic acid: chemical preconditioning. <i>Neuroscience Letters</i> , 1999, 272, 207-210.	2.1	43
16	Rapid Ca <sup>2+</sup> -dependent NO-production from central nervous system cells in culture measured by NO-nitrite/ozone chemoluminescence. <i>Brain Research</i> , 1997, 748, 1-11.	2.2	42
17	Nitric oxide synthase inhibition does not affect somatosensory evoked potentials in the rat. <i>Neuroscience Letters</i> , 1996, 216, 207-210.	2.1	41
18	Hypothermia effects on neurovascular coupling and cerebral metabolic rate of oxygen. <i>NeuroImage</i> , 2008, 40, 1523-1532.	4.2	33

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19	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.	2.2	32
20	Evidence that glypican is a receptor mediating $\beta^2$ -amyloid neurotoxicity in PC12 cells. <i>European Journal of Neuroscience</i> , 1998, 10, 2085-2093.	2.6	18
21	Cu,Zn SOD in German families with ALS. <i>Journal of the Neurological Sciences</i> , 1995, 129, 93-95.	0.6	7
22	Microheterogeneity of human erythrocyte pyruvate kinase: Application of immunological visualization techniques after isoelectric focusing in ultrathin gels. <i>Electrophoresis</i> , 1990, 11, 65-69.	2.4	3
23	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.	4.3	2
24	A miniaturized electrode configuration for isoelectric focusing. <i>Electrophoresis</i> , 1991, 12, 378-380.	2.4	0
25	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.	4.3	0