

Armin Schneider

List of Publications by Year in descending order

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85
papers

7,991
citations

66343

42
h-index

60623

81
g-index

86
all docs

86
docs citations

86
times ranked

9066
citing authors

#	ARTICLE	IF	CITATIONS
1	Axonal Swellings and Degeneration in Mice Lacking the Major Proteolipid of Myelin. <i>Science</i> , 1998, 280, 1610-1613.	12.6	804
2	The hematopoietic factor G-CSF is a neuronal ligand that counteracts programmed cell death and drives neurogenesis. <i>Journal of Clinical Investigation</i> , 2005, 115, 2083-2098.	8.2	630
3	NF- κ B is activated and promotes cell death in focal cerebral ischemia. <i>Nature Medicine</i> , 1999, 5, 554-559.	30.7	615
4	Assembly of CNS Myelin in the Absence of Proteolipid Protein. <i>Neuron</i> , 1997, 18, 59-70.	8.1	404
5	Intravenous Brain-Derived Neurotrophic Factor Enhances Poststroke Sensorimotor Recovery and Stimulates Neurogenesis. <i>Stroke</i> , 2007, 38, 2165-2172.	2.0	389
6	A Transgenic Rat Model of Charcot-Marie-Tooth Disease. <i>Neuron</i> , 1996, 16, 1049-1060.	8.1	346
7	Inflammatory bowel disease is associated with changes of enterocytic junctions. <i>American Journal of Physiology - Renal Physiology</i> , 2001, 281, G216-G228.	3.4	305
8	Premature arrest of myelin formation in transgenic mice with increased proteolipid protein gene dosage. <i>Neuron</i> , 1994, 12, 583-595.	8.1	263
9	Reduced oxidative damage in ALS by high-dose enteral melatonin treatment. <i>Journal of Pineal Research</i> , 2006, 41, 313-323.	7.4	253
10	Uncoupling of hypomyelination and glial cell death by a mutation in the proteolipid protein gene. <i>Nature</i> , 1992, 358, 758-761.	27.8	214
11	Neuronal Activation of NF- κ B Contributes to Cell Death in Cerebral Ischemia. <i>Journal of Cerebral Blood Flow and Metabolism</i> , 2005, 25, 30-40.	4.3	200
12	A Neuroprotective Function for the Hematopoietic Protein Granulocyte-Macrophage Colony Stimulating Factor (GM-CSF). <i>Journal of Cerebral Blood Flow and Metabolism</i> , 2008, 28, 29-43.	4.3	149
13	G-CSF (Granulocyte-Colony Stimulating Factor) in the Central Nervous System. <i>Cell Cycle</i> , 2005, 4, 1753-1757.	2.6	148
14	Tumor Necrosis Factor-Like Weak Inducer of Apoptosis-Induced Neurodegeneration. <i>Journal of Neuroscience</i> , 2004, 24, 8237-8244.	3.6	130
15	Regulation of Body Temperature and Neuroprotection by Endogenous Interleukin-6 in Cerebral Ischemia. <i>Journal of Cerebral Blood Flow and Metabolism</i> , 2003, 23, 406-415.	4.3	128
16	Granulocyte Colony-Stimulating Factor in Patients With Acute Ischemic Stroke. <i>Stroke</i> , 2013, 44, 2681-2687.	2.0	125
17	Expression of Hemoglobin in Rodent Neurons. <i>Journal of Cerebral Blood Flow and Metabolism</i> , 2009, 29, 585-595.	4.3	124
18	Initial Lesion Volume Is an Independent Predictor of Clinical Stroke Outcome at Day 90. <i>Stroke</i> , 2012, 43, 1266-1272.	2.0	123

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19	Granulocyte-colony stimulating factor improves outcome in a mouse model of amyotrophic lateral sclerosis. <i>Brain</i> , 2008, 131, 3335-3347.	7.6	120
20	AXIS. <i>Stroke</i> , 2010, 41, 2545-2551.	2.0	116
21	Meta-Analysis of the Efficacy of Granulocyte-Colony Stimulating Factor in Animal Models of Focal Cerebral Ischemia. <i>Stroke</i> , 2008, 39, 1855-1861.	2.0	110
22	Granulocyte-colony stimulating factor is neuroprotective in a model of Parkinson's disease. <i>Journal of Neurochemistry</i> , 2006, 97, 675-686.	3.9	109
23	Bradykinin Induces Interleukin-6 Expression in Astrocytes Through Activation of Nuclear Factor- κ B. <i>Journal of Neurochemistry</i> , 2002, 73, 1461-1466.	3.9	101
24	Toward a Multimodal Neuroprotective Treatment of Stroke. <i>Stroke</i> , 2006, 37, 1129-1136.	2.0	99
25	Stimulation of Interleukin-6 Secretion and Gene Transcription in Primary Astrocytes by Adenosine. <i>Journal of Neurochemistry</i> , 1997, 69, 1145-1150.	3.9	94
26	Neurotrophic growth factors for the treatment of amyotrophic lateral sclerosis: where do we stand?. <i>Frontiers in Neuroscience</i> , 2010, 4, 32.	2.8	86
27	The Role of Granulocyte-Colony Stimulating Factor (G-CSF) in the Healthy Brain: A Characterization of G-CSF-Deficient Mice. <i>Journal of Neuroscience</i> , 2009, 29, 11572-11581.	3.6	80
28	Tolerance-Inducing Dose of 3-Nitropropionic Acid Modulates bcl-2 and bax Balance in the Rat Brain: A Potential Mechanism of Chemical Preconditioning. <i>Journal of Cerebral Blood Flow and Metabolism</i> , 2000, 20, 1425-1436.	4.3	79
29	KIBRA: a new gateway to learning and memory?. <i>Frontiers in Aging Neuroscience</i> , 2010, 2, 4.	3.4	77
30	New targets for established proteins: exploring G-CSF for the treatment of stroke. <i>Trends in Pharmacological Sciences</i> , 2007, 28, 157-161.	8.7	65
31	Verge: A Novel Vascular Early Response Gene. <i>Journal of Neuroscience</i> , 2004, 24, 4092-4103.	3.6	64
32	<scp>KIBRA</scp> (Kidney/BRAin protein) regulates learning and memory and stabilizes Protein kinase M $\bar{\eta}$. <i>Journal of Neurochemistry</i> , 2014, 128, 686-700.	3.9	64
33	CNS-targeted Viral Delivery of G-CSF in an Animal Model for ALS: Improved Efficacy and Preservation of the Neuromuscular Unit. <i>Molecular Therapy</i> , 2011, 19, 284-292.	8.2	61
34	Endogenous brain protection by granulocyte-colony stimulating factor after ischemic stroke. <i>Experimental Neurology</i> , 2009, 217, 328-335.	4.1	53
35	The Granulocyte-colony stimulating factor has a dual role in neuronal and vascular plasticity. <i>Frontiers in Cell and Developmental Biology</i> , 2015, 3, 48.	3.7	53
36	An extended window of opportunity for G-CSF treatment in cerebral ischemia. <i>BMC Biology</i> , 2006, 4, 36.	3.8	49

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37	Characterization of a Novel SOD-1(G93A) Transgenic Mouse Line with Very Decelerated Disease Development. PLoS ONE, 2010, 5, e15445.	2.5	49
38	TorsinA protects against oxidative stress in COS-1 and PC12 cells. Neuroscience Letters, 2003, 350, 153-156.	2.1	48
39	Regulation of Enterocyte Apoptosis by Acyl-CoA Synthetase 5 Splicing. Gastroenterology, 2007, 133, 587-598.	1.3	47
40	The hematopoietic factor GM-CSF (Granulocyte-macrophage colony-stimulating factor) promotes neuronal differentiation of adult neural stem cells in vitro. BMC Neuroscience, 2007, 8, 88.	1.9	46
41	Identification of regulated genes during permanent focal cerebral ischaemia: characterization of the protein kinase 9b5/MARKLI/MARK4. Journal of Neurochemistry, 2004, 88, 1114-1126.	3.9	45
42	Glycogen Synthase Kinase 3 β (GSK3 β) Regulates Differentiation and Proliferation in Neural Stem Cells from the Rat Subventricular Zone. Journal of Proteome Research, 2007, 6, 1198-1208.	3.7	44
43	The hematopoietic factor granulocyte colony stimulating factor improves outcome in experimental spinal cord injury. Journal of Neurochemistry, 2010, 113, 930-942.	3.9	44
44	The hematopoietic cytokine granulocyte-macrophage colony stimulating factor is important for cognitive functions. Scientific Reports, 2012, 2, 697.	3.3	43
45	The functional genome of CA1 and CA3 neurons under native conditions and in response to ischemia. BMC Genomics, 2007, 8, 370.	2.8	41
46	Both systemic and local application of Granulocyte-colony stimulating factor (G-CSF) is neuroprotective after retinal ganglion cell axotomy. BMC Neuroscience, 2009, 10, 49.	1.9	41
47	Developing Granulocyte-Colony Stimulating Factor for the Treatment of Stroke: Current Status of Clinical Trials. Stroke, 2006, 37, 1654-1654.	2.0	39
48	G-CSF Prevents the Progression of Structural Disintegration of White Matter Tracts in Amyotrophic Lateral Sclerosis: A Pilot Trial. PLoS ONE, 2011, 6, e17770.	2.5	39
49	Neuronal co-expression of EGFP and β -galactosidase in mice causes neuropathology and premature death. Neurobiology of Disease, 2004, 17, 310-318.	4.4	37
50	Regulation of Body Temperature and Neuroprotection by Endogenous Interleukin-6 in Cerebral Ischemia. Journal of Cerebral Blood Flow and Metabolism, 2003, , 406-415.	4.3	37
51	Granulocyte-Colony Stimulating Factor (G-CSF) in Stroke Patients with Concomitant Vascular Disease—A Randomized Controlled Trial. PLoS ONE, 2011, 6, e19767.	2.5	35
52	Effects of G-CSF treatment on neutrophil mobilization and neurological outcome after transient focal ischemia. Experimental Neurology, 2010, 222, 108-113.	4.1	34
53	Granulocyte-Colony Stimulating Factor (G-CSF) Improves Motor Recovery in the Rat Impactor Model for Spinal Cord Injury. PLoS ONE, 2012, 7, e29880.	2.5	32
54	The receptor for Granulocyte-colony stimulating factor (G-CSF) is expressed in radial glia during development of the nervous system. BMC Developmental Biology, 2008, 8, 32.	2.1	30

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55	Granulocyte Colony-Stimulating Factor Improves Cerebrovascular Reserve Capacity by Enhancing Collateral Growth in the Circle of Willis. <i>Cerebrovascular Diseases</i> , 2012, 33, 419-429.	1.7	30
56	Pegylated granulocyte colony-stimulating factor conveys long-term neuroprotection and improves functional outcome in a model of Parkinson's disease. <i>Brain</i> , 2012, 135, 1914-1925.	7.6	30
57	TorsinA, the gene linked to early-onset dystonia, is upregulated by the dopaminergic toxin MPTP in mice. <i>Neuroscience Letters</i> , 2004, 355, 126-130.	2.1	28
58	G-CSF protects motoneurons against axotomy-induced apoptotic death in neonatal mice. <i>BMC Neuroscience</i> , 2010, 11, 25.	1.9	28
59	Yellow pages to the transcriptome. <i>Pharmacogenomics</i> , 2002, 3, 791-807.	1.3	27
60	Granulocyte-Colony Stimulating Factor Delays PWI/DWI Mismatch Evolution and Reduces Final Infarct Volume in Permanent-Suture and Embolic Focal Cerebral Ischemia Models in the Rat. <i>Stroke</i> , 2009, 40, 3102-3106.	2.0	24
61	Impaired expression of acyl-CoA synthetase 5 in sporadic colorectal adenocarcinomas. <i>Journal of Pathology</i> , 2005, 207, 295-300.	4.5	22
62	Synergetic Effects of Granulocyte-Colony Stimulating Factor and Cognitive Training on Spatial Learning and Survival of Newborn Hippocampal Neurons. <i>PLoS ONE</i> , 2009, 4, e5303.	2.5	21
63	Restriction-mediated Differential Display (RMDD) Identifies pip92 as a Pro-Apoptotic Gene Product Induced during Focal Cerebral Ischemia. <i>Journal of Cerebral Blood Flow and Metabolism</i> , 2004, 24, 224-236.	4.3	19
64	Discovery of transcriptional programs in cerebral ischemia by in silico promoter analysis. <i>Brain Research</i> , 2009, 1272, 3-13.	2.2	17
65	Impaired expression of Acyl-CoA-synthetase 5 in epithelial tumors of the small intestine. <i>Human Pathology</i> , 2003, 34, 1048-1052.	2.0	16
66	Long-term gene expression changes in the cortex following cortical ischemia revealed by transcriptional profiling. <i>Experimental Neurology</i> , 2006, 200, 135-152.	4.1	16
67	Gene expression changes in spinal motoneurons of the SOD1G93A transgenic model for ALS after treatment with G-CSF. <i>Frontiers in Cellular Neuroscience</i> , 2014, 8, 464.	3.7	16
68	Cerebral transcriptome analysis of transgenic mice overexpressing erythropoietin. <i>Neuroscience Letters</i> , 2002, 327, 181-184.	2.1	15
69	Granulocyte-colony stimulating factor: a new player for the enteric nervous system. <i>Cell and Tissue Research</i> , 2014, 355, 35-48.	2.9	13
70	Expression of Calnexin Reflects Paneth Cell Differentiation and Function. <i>Laboratory Investigation</i> , 2002, 82, 1647-1659.	3.7	12
71	Cloning of a novel neuronally expressed orphan G-protein-coupled receptor which is up-regulated by erythropoietin, interacts with microtubule-associated protein 1b and colocalizes with the 5-hydroxytryptamine 2a receptor. <i>Journal of Neurochemistry</i> , 2004, 91, 1007-1017.	3.9	12
72	A novel flow cytometry-based technique to measure adult neurogenesis in the brain. <i>Journal of Neurochemistry</i> , 2011, 119, 165-175.	3.9	12

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73	Forced arm use is superior to voluntary training for motor recovery and brain plasticity after cortical ischemia in rats. <i>Experimental & Translational Stroke Medicine</i> , 2014, 6, 3.	3.2	12
74	Biomarker Supervised G-CSF (Filgrastim) Response in ALS Patients. <i>Frontiers in Neurology</i> , 2018, 9, 971.	2.4	12
75	Identification of regulated genes during transient cortical ischemia in mice by restriction-mediated differential display (RMDD). <i>Molecular Brain Research</i> , 2004, 124, 20-28.	2.3	11
76	MINOCYCLINE TREATMENT IN ACUTE STROKE: AN OPEN-LABEL, EVALUATOR-BLINDED STUDY. <i>Neurology</i> , 2008, 71, 1461-1461.	1.1	11
77	Semaphorin 6A Improves Functional Recovery in Conjunction with Motor Training after Cerebral Ischemia. <i>PLoS ONE</i> , 2010, 5, e10737.	2.5	11
78	Peptidoglycan recognition protein-S (PGRP-S) is upregulated by NF- κ B. <i>Neuroscience Letters</i> , 2008, 430, 138-141.	2.1	7
79	A screen for peptide agonists of the G-CSF receptor. <i>BMC Research Notes</i> , 2011, 4, 194.	1.4	4
80	Granulocyte Colony-Stimulating Factor and Acute Myocardial Infarction. <i>JAMA - Journal of the American Medical Association</i> , 2006, 296, 1967.	7.4	2
81	Modeling and Bioinformatics Identify Responders to G-CSF in Patients With Amyotrophic Lateral Sclerosis. <i>Frontiers in Neurology</i> , 2021, 12, 616289.	2.4	2
82	Response to Letter Regarding Article, "Granulocyte Colony-Stimulating Factor in Patients With Acute Ischemic Stroke: Results of the AX200 for Ischemic Stroke Trial". <i>Stroke</i> , 2014, 45, e9.	2.0	0
83	Analytical sequence to study G-CSF effect on the transcriptome of isolated spinal motoneurons from SOD1 G93A mice, an animal model for amyotrophic lateral sclerosis. <i>Genomics Data</i> , 2015, 4, 47-49.	1.3	0
84	Expression profiling in the photothrombotic rat model: Identification of genes potentially involved in plasticity. <i>Journal of Cerebral Blood Flow and Metabolism</i> , 2005, 25, S522-S522.	4.3	0
85	Flow Cytometry-Based Quantification of Neurogenesis in the Central Nervous System. <i>Neuromethods</i> , 2015, , 141-150.	0.3	0