

Anja Scheller

List of Publications by Year in descending order

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Version: 2024-02-01

47
papers

1,801
citations

361045

20
h-index

288905

40
g-index

52
all docs

52
docs citations

52
times ranked

2678
citing authors

#	ARTICLE	IF	CITATIONS
1	Bergmann Glial AMPA Receptors Are Required for Fine Motor Coordination. <i>Science</i> , 2012, 337, 749-753.	6.0	191
2	Temporal control of gene recombination in astrocytes by transgenic expression of the tamoxifen-inducible DNA recombinase variant CreERT2. <i>Glia</i> , 2006, 54, 11-20.	2.5	156
3	Expression of reef coral fluorescent proteins in the central nervous system of transgenic mice. <i>Molecular and Cellular Neurosciences</i> , 2005, 30, 291-303.	1.0	153
4	Novel NG2 α CreERT2 knock α in mice demonstrate heterogeneous differentiation potential of NG2 glia during development. <i>Glia</i> , 2014, 62, 896-913.	2.5	145
5	Split-Cre Complementation Indicates Coincident Activity of Different Genes In Vivo. <i>PLoS ONE</i> , 2009, 4, e4286.	1.1	134
6	NO mediates microglial response to acute spinal cord injury under ATP control <i>in vivo</i> . <i>Glia</i> , 2010, 58, 1133-1144.	2.5	132
7	Refined protocols of tamoxifen injection for inducible DNA recombination in mouse astroglia. <i>Scientific Reports</i> , 2018, 8, 5913.	1.6	98
8	Role of sodium channel subtype in action potential generation by neocortical pyramidal neurons. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , 2018, 115, E7184-E7192.	3.3	63
9	Enteric Glia: S100, GFAP, and Beyond. <i>Anatomical Record</i> , 2019, 302, 1333-1344.	0.8	48
10	Neuron α astrocyte interactions in the medial nucleus of the trapezoid body. <i>Journal of General Physiology</i> , 2010, 135, 583-594.	0.9	47
11	Tanycytes and a differential fatty acid metabolism in the hypothalamus. <i>Glia</i> , 2017, 65, 231-249.	2.5	38
12	Astrocytes and oligodendrocytes in grey and white matter regions of the brain metabolize fatty acids. <i>Scientific Reports</i> , 2017, 7, 10779.	1.6	34
13	The in situ morphology of microglia is highly sensitive to the mode of tissue fixation. <i>Journal of Chemical Neuroanatomy</i> , 2017, 86, 59-66.	1.0	34
14	Acute brain injuries trigger microglia as an additional source of the proteoglycan NG2. <i>Acta Neuropathologica Communications</i> , 2020, 8, 146.	2.4	30
15	Early embryonic NG2 glia are exclusively gliogenic and do not generate neurons in the brain. <i>Glia</i> , 2019, 67, 1094-1103.	2.5	29
16	During Development NG2 Glial Cells of the Spinal Cord are Restricted to the Oligodendrocyte Lineage, but Generate Astrocytes upon Acute Injury. <i>Neuroscience</i> , 2018, 385, 154-165.	1.1	28
17	Impaired bidirectional communication between interneurons and oligodendrocyte precursor cells affects social cognitive behavior. <i>Nature Communications</i> , 2022, 13, 1394.	5.8	28
18	Genetic control of astrocyte function in neural circuits. <i>Frontiers in Cellular Neuroscience</i> , 2015, 9, 310.	1.8	25

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19	T _{RPC} and TRPC ₃ -dependent Ca ²⁺ signaling in mouse cortical astrocytes affects injury- <i>in vivo</i> . <i>Glia</i> , 2017, 65, 1535-1549.	2.5	24
20	The Paradox of Astroglial Ca ²⁺ Signals at the Interface of Excitation and Inhibition. <i>Frontiers in Cellular Neuroscience</i> , 2020, 14, 609947.	1.8	24
21	Endocannabinoids and Heterogeneity of Glial Cells in Brain Function. <i>Frontiers in Integrative Neuroscience</i> , 2016, 10, 24.	1.0	23
22	Panglial gap junctions between astrocytes and olfactory ensheathing cells mediate transmission of Ca ²⁺ transients and neurovascular coupling. <i>Glia</i> , 2019, 67, 1385-1400.	2.5	22
23	Magnetic resonance imaging of cerebrospinal fluid outflow after low-rate lateral ventricle infusion in mice. <i>JCI Insight</i> , 2022, 7, .	2.3	21
24	Evaluation of TgH(CX3CR1-EGFP) mice implanted with mCherry-GL261 cells as an <i>in vivo</i> model for morphometrical analysis of glioma-microglia interaction. <i>BMC Cancer</i> , 2016, 16, 72.	1.1	20
25	Genetic Background Affects Human Glial Fibrillary Acidic Protein Promoter Activity. <i>PLoS ONE</i> , 2013, 8, e66873.	1.1	19
26	Nerve/glia antigen (NG) 2 is a crucial regulator of intercellular adhesion molecule (ICAM)-1 expression. <i>Biochimica Et Biophysica Acta - Molecular Cell Research</i> , 2018, 1865, 57-66.	1.9	19
27	<i>In vivo</i> two-photon imaging of motoneurons and adjacent glia in the ventral spinal cord. <i>Journal of Neuroscience Methods</i> , 2018, 299, 8-15.	1.3	17
28	Oligodendroglial GABAergic Signaling: More Than Inhibition!. <i>Neuroscience Bulletin</i> , 2021, 37, 1039-1050.	1.5	17
29	Phenotype and distribution pattern of nestin-GFP-expressing cells in murine myenteric plexus. <i>Cell and Tissue Research</i> , 2016, 366, 573-586.	1.5	16
30	The Role of the Oligodendrocyte Lineage in Acute Brain Trauma. <i>Neurochemical Research</i> , 2017, 42, 2479-2489.	1.6	16
31	Sublamina-specific organization of the blood brain barrier in the mouse olfactory nerve layer. <i>Glia</i> , 2020, 68, 631-645.	2.5	16
32	Norepinephrine-induced calcium signaling in astrocytes in the respiratory network of the ventrolateral medulla. <i>Respiratory Physiology and Neurobiology</i> , 2016, 226, 18-23.	0.7	15
33	Epigenetic control of region-specific transcriptional programs in mouse cerebellar and cortical astrocytes. <i>Glia</i> , 2021, 69, 2160-2177.	2.5	13
34	Enrichment and isolation of neurons from adult mouse brain for <i>ex vivo</i> analysis. <i>Journal of Neuroscience Methods</i> , 2017, 283, 15-22.	1.3	12
35	Conditional Deletion of LRP1 Leads to Progressive Loss of Recombined NG2-Expressing Oligodendrocyte Precursor Cells in a Novel Mouse Model. <i>Cells</i> , 2019, 8, 1550.	1.8	12
36	Progenies of NG2 glia: what do we learn from transgenic mouse models ?. <i>Neural Regeneration Research</i> , 2021, 16, 43.	1.6	11

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37	From Physiology to Pathology of Cortico-Thalamo-Cortical Oscillations: Astroglia as a Target for Further Research. <i>Frontiers in Neurology</i> , 2021, 12, 661408.	1.1	10
38	L-Type Ca ²⁺ Channels of NG2 Glia Determine Proliferation and NMDA Receptor-Dependent Plasticity. <i>Frontiers in Cell and Developmental Biology</i> , 2021, 9, 759477.	1.8	9
39	Low-Density Lipoprotein Receptor-Related Protein 1 (LRP1) as a Novel Regulator of Early Astroglial Differentiation. <i>Frontiers in Cellular Neuroscience</i> , 2021, 15, 642521.	1.8	8
40	Murine Esophagus Expresses Glial-Derived Central Nervous System Antigens. <i>International Journal of Molecular Sciences</i> , 2021, 22, 3233.	1.8	8
41	Deletion of LRP1 From Astrocytes Modifies Neuronal Network Activity in an in vitro Model of the Tripartite Synapse. <i>Frontiers in Cellular Neuroscience</i> , 2020, 14, 567253.	1.8	7
42	Astrocytes and Microglia Exhibit Cell-Specific Ca ²⁺ Signaling Dynamics in the Murine Spinal Cord. <i>Frontiers in Molecular Neuroscience</i> , 2022, 15, 840948.	1.4	7
43	Versatile Surface Electrodes for Combined Electrophysiology and Two-Photon Imaging of the Mouse Central Nervous System. <i>Frontiers in Cellular Neuroscience</i> , 2021, 15, 720675.	1.8	6
44	Nerve/glial antigen 2 is crucially involved in the revascularization of freely transplanted pancreatic islets. <i>Cell and Tissue Research</i> , 2019, 378, 195-205.	1.5	5
45	Microglia morphology in the physiological and diseased brain - from fixed tissue to in vivo conditions. <i>Romanian Journal of Morphology and Embryology</i> , 2018, 59, 7-12.	0.4	5
46	Astrocyte: Identification Methods. , 2009, , 573-577.		1
47	Leuchtende Proteine im Nervensystem der Maus. <i>E-Neuroforum</i> , 2007, 13, 93-99.	0.2	0