Staffan Cullheim

List of Publications by Year
in descending order

89 papers	5,022 citations	81900 39 h-index	95266 68 g-index
89 all docs	89 docs citations	89 times ranked	4177 citing authors

#	Article	IF	Citations
1	Expression of Semaphorins, Neuropilins, VEGF, and Tenascins in Rat and Human Primary Sensory Neurons after a Dorsal Root Injury. Frontiers in Neurology, 2017, 8, 49.	2.4	20
2	Complement receptor 2 is up regulated in the spinal cord following nerve root injury and modulates the spinal cord response. Journal of Neuroinflammation, 2015, 12, 192.	7.2	9
3	Unbiased Expression Mapping Identifies a Link between the Complement and Cholinergic Systems in the Rat Central Nervous System. Journal of Immunology, 2014, 192, 1138-1153.	0.8	9
4	Neuronal myosin-X is upregulated after peripheral nerve injury and mediates laminin-induced growth of neurites. Molecular and Cellular Neurosciences, 2013, 56, 96-101.	2.2	13
5	Understanding the balance and integration of volume and synaptic transmission. Relevance for psychiatry. Neurology Psychiatry and Brain Research, 2013, 19, 141-158.	2.0	17
6	The Extent of Synaptic Stripping of Motoneurons after Axotomy Is Not Correlated to Activation of Surrounding Glia or Downregulation of Postsynaptic Adhesion Molecules. PLoS ONE, 2013, 8, e59647.	2.5	17
7	Axonal Regeneration after Sciatic Nerve Lesion Is Delayed but Complete in GFAP- and Vimentin-Deficient Mice. PLoS ONE, 2013, 8, e79395.	2.5	33
8	Mitofusin 2 is necessary for striatal axonal projections of midbrain dopamine neurons. Human Molecular Genetics, 2012, 21, 4827-4835.	2.9	149
9	Reduced removal of synaptic terminals from axotomized spinal motoneurons in the absence of complement C3. Experimental Neurology, 2012, 237, 8-17.	4.1	50
10	Karolinska Institutet 200-Year Anniversary. Symposium on Traumatic Injuries in the Nervous System: Injuries to the Spinal Cord and Peripheral Nervous System â€“ Injuries and Repair, Pain Problems, Lesions to Brachial Plexus. Frontiers in Neurology, 2011, 2, 29.	2.4	5
11	Evidence of hypothalamic degeneration in the anorectic <i>anx/anx</i> mouse. Glia, 2011, 59, 45-57.	4.9	24
12	Netrin G-2 ligand mRNA is downregulated in spinal motoneurons after sciatic nerve lesion. NeuroReport, 2010, 21, 782-785.	1.2	15
13	Classic Major Histocompatibility Complex Class I Molecules: New Actors at the Neuromuscular Junction. Neuroscientist, 2010, 16, 600-607.	3.5	18
14	Classical Major Histocompatibility Complex Class I Molecules in Motoneurons: New Actors at the Neuromuscular Junction. Journal of Neuroscience, 2009, 29, 13503-13515.	3.6	37
15	SynCAM1 expression correlates with restoration of central synapses on spinal motoneurons after two different models of peripheral nerve injury. Journal of Comparative Neurology, 2009, 517, 670-682.	1.6	28
16	Altered expression of nectin-like adhesion molecules in the peripheral nerve after sciatic nerve transection. Neuroscience Letters, 2009, 449, 28-33.	2.1	11
17	MHC Class I Function at the Neuronal Synapse. , 2009, , 301-319.		1
18	MHC I expression and synaptic plasticity in different mice strains after axotomy. Synapse, 2008, 62, 137-148.	1.2	48

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19	MHC class I expression and synaptic plasticity after nerve lesion. Brain Research Reviews, 2008, 57, 265-269.	9.0	56
20	Integrin-laminin interactions controlling neurite outgrowth from adult DRG neurons in vitro. Molecular and Cellular Neurosciences, 2008, 39, 50-62.	2.2	90
21	Progressive parkinsonism in mice with respiratory-chain-deficient dopamine neurons. Proceedings of the National Academy of Sciences of the United States of America, 2007, 104, 1325-1330.	7.1	516
22	Down-regulation of mRNAs for synaptic adhesion molecules neuroligin-2 and -3 and synCAM1 in spinal motoneurons after axotomy. Journal of Comparative Neurology, 2007, 503, 308-318.	1.6	19
23	The microglial networks of the brain and their role in neuronal network plasticity after lesion. Brain Research Reviews, 2007, 55, 89-96.	9.0	129
24	Editorial â€" Intramembrane receptorâ€"receptor interactions and volume transmission. Journal of Neural Transmission, 2007, 114, 1-2.	2.8	0
25	Expression of nectin-1, nectin-3, N-cadherin, and NCAM in spinal motoneurons after sciatic nerve transection. Experimental Neurology, 2006, 201, 461-469.	4.1	16
26	Integrin messenger RNAs in the red nucleus after axotomy and neurotrophic administration. NeuroReport, 2005, 16, 709-713.	1.2	12
27	Impeded Interaction between Schwann Cells and Axons in the Absence of Laminin Â4. Journal of Neuroscience, 2005, 25, 3692-3700.	3.6	84
28	Spinal Cord in Relation to the Peripheral Nervous System. , 2004, , 250-263.		2
29	A role for MHC class I molecules in synaptic plasticity and regeneration of neurons after axotomy. Proceedings of the National Academy of Sciences of the United States of America, 2004, 101, 17843-17848.	7.1	233
30	Dorsal root ganglion neurons up-regulate the expression of laminin-associated integrins after peripheral but not central axotomy. Journal of Comparative Neurology, 2004, 480, 162-169.	1.6	53
31	Induction of HIF1Î± but not HIF2Î± in motoneurons after ventral funiculus axotomyâ€"implication in neuronal survival strategies. Experimental Neurology, 2004, 188, 20-32.	4.1	14
32	Large cholinergic nerve terminals on subsets of motoneurons and their relation to muscarinic receptor type 2. Journal of Comparative Neurology, 2003, 460, 476-486.	1.6	130
33	Cellular localization of three vesicular glutamate transporter mRNAs and proteins in rat spinal cord and dorsal root ganglia. Synapse, 2003, 50, 117-129.	1.2	231
34	Laminin chains in rat and human peripheral nerve: Distribution and regulation during development and after axonal injury. Journal of Comparative Neurology, 2002, 454, 284-293.	1.6	74
35	Chapter 24 Spinal cord motoneuron maintenance, injury and repair. Progress in Brain Research, 2000, 127, 501-514.	1.4	25
36	Ultrastructural evidence for a preferential elimination of glutamate-immunoreactive synaptic terminals from spinal motoneurons after intramedullary axotomy. Journal of Comparative Neurology, 2000, 425, 10-23.	1.6	94

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37	Differential regulation of trophic factor receptor mRNAs in spinal motoneurons after sciatic nerve transection and ventral root avulsion in the rat. Journal of Comparative Neurology, 2000, 426, 587-601.	1.6	96
38	Regulation of laminin-associated integrin subunit mRNAs in rat spinal motoneurons during postnatal development and after axonal injury. Journal of Comparative Neurology, 2000, 428, 294-304.	1.6	43
39	Induction of VEGF and VEGF receptors in the spinal cord after mechanical spinal injury and prostaglandin administration. European Journal of Neuroscience, 2000, 12, 3675-3686.	2.6	97
40	Developmental and lesion-induced changes in the distribution of the glucose transporter Glut-1 in the central and peripheral nervous system. Experimental Brain Research, 2000, 131, 74-84.	1.5	24
41	Differential Expression of Tenascin-C, Tenascin-R, Tenascin/J1, and Tenascin-X in Spinal Cord Scar Tissue and in the Olfactory System. Experimental Neurology, 2000, 166, 350-362.	4.1	39
42	Multiple messengers in descending serotonin neurons: localization and functional implications. Journal of Chemical Neuroanatomy, 2000, 18, 75-86.	2.1	97
43	Differential expression of nerve terminal protein isoforms in VAChT-containing varicosities of the spinal cord ventral horn. Journal of Comparative Neurology, 1999, 411, 578-590.	1.6	59
44	Differential expression of nerve terminal protein isoforms in VAChTâ€containing varicosities of the spinal cord ventral horn. Journal of Comparative Neurology, 1999, 411, 578-590.	1.6	2
45	Regulatory effects of trophic factors on expression and distribution of CGRP and GAP-43 in rat motoneurons. , 1998, 51, 1.		31
46	Expression of insulin-like growth factors and corresponding binding proteins (IGFBP 1-6) in rat spinal cord and peripheral nerve after axonal injuries. , 1998, 400, 57-72.		67
47	Distribution of glutamate-, glycine- and GABA-immunoreactive nerve terminals on dendrites in the cat spinal motor nucleus. Experimental Brain Research, 1998, 118, 517-532.	1.5	97
48	Changes in the mRNA expression pattern, with special reference to calcitonin gene-related peptide, after axonal injuries in rat motoneurons depends on age and type of injury. Experimental Brain Research, 1998, 119, 191-204.	1.5	53
49	Expression of MHC Class I and Î²2-Microglobulin in Rat Spinal Motoneurons: Regulatory Influences by IFN-Gamma and Axotomy. Experimental Neurology, 1998, 150, 282-295.	4.1	81
50	Nerve Growth Factor Induces Process Formation in Meningeal Cells: Implications for Scar Formation in the Injured CNS. Journal of Neuroscience, 1998, 18, 5714-5722.	3.6	40
51	Qualitative and quantitative analysis of glycine- and GABA-immunoreactive nerve terminals on motoneuron cell bodies in the cat spinal cord: A postembedding electron microscopic study. , 1996, 365, 413-426.		88
52	Qualitative and quantitative analysis of glycineâ€•and GABAâ€immunoreactive nerve terminals on motoneuron cell bodies in the cat spinal cord: A postembedding electron microscopic study. Journal of Comparative Neurology, 1996, 365, 413-426.	1.6	1
53	Expression of NMDA Receptor mRNAs in Rat Motoneurons is Down-regulated after Axotomy. European Journal of Neuroscience, 1995, 7, 2101-2110.	2.6	82
54	Fibroblast Growth Factors Regulate Calcitonin Gene-related Peptide mRNA Expression in Rat Motoneurons after Lesion and in Culture. European Journal of Neuroscience, 1995, 7, 1739-1750.	2.6	65

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55	Extrasynaptic localization of taurine-like immunoreactivity in the lamprey spinal cord. Journal of Comparative Neurology, 1994, 347, 301-311.	1.6	12
56	trkC-like Immunoreactivity in the Primate Descending Serotoninergic System. European Journal of Neuroscience, 1994, 6, 230-236.	2.6	18
57	Adhesive/Repulsive Properties in the Injured Spinal Cord: Relation to Myelin Phagocytosis by Invading Macrophages. Experimental Neurology, 1994, 129, 183-193.	4.1	29
58	Quantitative and qualitative aspects on the distribution of 5-HT and its coexistence with substance P and TRH in cat ventral medullary neurons. Journal of Chemical Neuroanatomy, 1994, 7, 3-12.	2.1	35
59	Immunohistochemical evidence for coexistence of glycine and GABA in nerve terminals on cat spinal motoneurones. NeuroReport, 1994, 5, 889-892.	1.2	85
60	Increased trkB mRNA expression by axotomized motoneurones. NeuroReport, 1994, 5, 697-700.	1.2	64
61	Possible morphological substrates for GABA-mediated presynaptic inhibition in the lamprey spinal cord. Journal of Comparative Neurology, 1993, 328, 463-472.	1.6	25
62	Calcitonin Gene-Related Peptide in the Brain, Spinal Cord, and Some Peripheral Systems. Annals of the New York Academy of Sciences, 1992, 657, 119-134.	3.8	113
63	Distribution of enkephalin and its relation to serotonin in cat and monkey spinal cord and brain stem. Synapse, 1992, 11, 85-104.	1.2	29
64	On the Distribution of GAP-43 and its Relation to Serotonin in Adult Monkey and Cat Spinal Cord and Lower Brainstem. European Journal of Neuroscience, 1992, 4, 777-784.	2.6	15
65	Thyrotropin-releasing hormone (TRH)-like immunoreactivity in the grey monkey (Macaca fascicularis) spinal cord and medulla oblongata with special emphasis on the bulbospinal tract. Journal of Comparative Neurology, 1992, 322, 293-310.	1.6	14
66	Calcitonin gene-related peptide in monkey spinal cord and medulla oblongata. Brain Research, 1991, 558, 330-334.	2.2	20
67	Calcitonin Gene-related Peptide (CGRP)-like Immunoreactivity and CGRP mRNA in Rat Spinal Cord Motoneurons after Different Types of Lesions. European Journal of Neuroscience, 1991, 3, 737-757.	2.6	67
68	Distribution of125I-galanin binding sites, immunoreactive galanin, and its coexistence with 5-hydroxytryptamine in the cat spinal cord: Biochemical, histochemical, and experimental studies at the light and electron microscopic level. Journal of Comparative Neurology, 1991, 308, 115-138.	1.6	47
69	Neurotensin-like Peptides in the CNS of Lampreys: Chromatographic Characterization and Immunohistochemical Localization with Reference to Aminergic Markers. European Journal of Neuroscience, 1990, 2, 1095-1109.	2.6	26
70	5-Hydroxytryptamine, substance P, and thyrotropin-releasing hormone in the adult cat spinal cord segment L7: Immunohistochemical and chemical studies. Synapse, 1990, 6, 237-270.	1.2	79
71	5-Hydroxytryptamine immunoreactive varicosities in the lamprey spinal cord have no synaptic specializations - an ultrastructural study. Brain Research, 1990, 512, 201-209.	2.2	40
72	Serotonin and Coexisting Peptides in Cat and Lamprey Spinal Cord. , 1990, , 149-154.		1

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73	Postnatal Synaptic Reorganization of Cat Motoneurons. , 1989, , 51-58.		1
74	Postnatal development of cat hind limb motoneurons. I: Changes in length, branching structure, and spatial distribution of dendrites of cat triceps surae motoneurons. Journal of Comparative Neurology, 1988, 278, 69-87.	1.6	56
75	Postnatal development of cat hind limb motoneurons. II: In vivo morphology of dendritic growth cones and the maturation of dendrite morphology. Journal of Comparative Neurology, 1988, 278, 88-102.	1.6	47
76	Postnatal development of cat hind limb motoneurons. III: Changes in size of motoneurons supplying the triceps surae muscle. Journal of Comparative Neurology, 1988, 278, 103-120.	1.6	96
77	An ultrastructural study of the synaptology of Î³-motoneurones during the postnatal development in the cat. Developmental Brain Research, 1987, 37, 303-312.	1.7	18
78	The combined use of immunohistochemistry and intracellular staining with horseradish peroxidase for light and electron microscopic studies of transmitter-identified inputs to functionally characterized neurons. Brain Research, 1987, 419, 387-391.	2.2	16
79	Electron microscopic observations on recurrent axon collateral boutons of a triceps surae Î³-motoneuron in the cat. Neuroscience Letters, 1986, 63, 27-32.	2.1	5
80	Electron microscopic observations on the synaptology of cat sciatic Î³-motoneurons after intracellular staining with horseradish peroxidase. Neuroscience Letters, 1986, 70, 23-27.	2.1	21
81	Postnatal changes in the termination pattern of recurrent axon collaterals of triceps surae Î±-Motoneurons in the cat. Developmental Brain Research, 1985, 17, 63-73.	1.7	14
82	Evidence for a postnatal elimination of terminal arborizations and synaptic boutons of recurrent motor axon collaterals in the cat. Developmental Brain Research, 1982, 5, 234-237.	1.7	12
83	An ultrastructural study of the synaptic contacts of Î±-motoneurone axon collaterals. I. Contacts in lamina IX and with identified Î±-motoneurone dendrites in lamina VII. Brain Research, 1981, 207, 247-266.	2.2	75
84	An ultrastructural study of the synaptic contacts ofÎ±1-motoneuron axon collaterals. II. Contacts in lamina VII. Brain Research, 1981, 222, 29-41.	2.2	35
85	Observations on the morphology of intracellularly stained Î³-motoneurons in relation to their axon conduction velocity. Neuroscience Letters, 1979, 13, 47-50.	2.1	49
86	Relations between cell body size, axon diameter and axon conduction velocity of cat sciatic Î±-motoneurons stained with horseradish peroxidase. Neuroscience Letters, 1978, 8, 17-20.	2.1	146
87	Ultrastructural characteristics of a central cholinergic synapse in the cat. Brain Research, 1978, 148, 197-201.	2.2	18
88	Evidence for direct synaptic interconnections between cat spinal Î±-motoneurons via the recurrent axon collaterals: A morphological study using intracellular injection of horseradish peroxidase. Brain Research, 1977, 132, 1-10.	2.2	196
89	Combined light and electron microscopic tracing of neurons, including axons and synaptic terminals, after intracellular injection of horseradish peroxidase. Neuroscience Letters, 1976, 2, 307-313.	2.1	154