Sven Ove gren

List of Publications by Citations

120 papers	5,139 citations	44 h-index	64 g-index
126 ext. papers	5,493 ext. citations	4.6 avg, IF	5.14 L-index

#	Paper	IF	Citations
120	The role of 5-HT(1A) receptors in learning and memory. *Behavioural Brain Research*, **2008**, 195, 54-77	3.4	231
119	The selective dopamine D2 receptor antagonist raclopride discriminates between dopamine-mediated motor functions. *Psychopharmacology*, **1986**, 90, 287-94	4.7	187
118	Asphyctic lesion: proliferation of tyrosine hydroxylase-immunoreactive nerve cell bodies in the rat substantia nigra and functional changes in dopamine neurotransmission. *Brain Research*, **1991**, 543, 1-9	3.7	168
117	Time-dependent involvement of the dorsal hippocampus in trace fear conditioning in mice. *Hippocampus*, **2005**, 15, 418-26	3.5	150
116	Adenosine A2A agonists: a potential new type of atypical antipsychotic. *Neuropsychopharmacology*, **1997**, 17, 82-91	8.7	123
115	Dopamine D1 receptor-mediated facilitation of GABAergic neurotransmission in the rat strioentopenduncular pathway and its modulation by adenosine A1 receptor-mediated mechanisms. *European Journal of Neuroscience*, **1996**, 8, 1545-53	3.5	122
114	Adenosine/dopamine interaction: implications for the treatment of Parkinson's disease. *Parkinsonism and Related Disorders*, **2001**, 7, 235-241	3.6	102
113	Decreased 5-HT transporter mRNA in neurons of the dorsal raphe nucleus and behavioral depression in the obese leptin-deficient ob/ob mouse. *Molecular Brain Research*, **2000**, 81, 51-61		101
112	Involvement of the 5-HT1A receptors in classical fear conditioning in C57BL/6J mice. *Journal of Neuroscience*, **2000**, 20, 8515-27	6.6	94
111	Phencyclidine- and dizocilpine-induced hyperlocomotion are differentially mediated. *Neuropsychopharmacology*, **1994**, 11, 167-77	8.7	94
110	Prenatal immune activation interacts with genetic Nurr1 deficiency in the development of attentional impairments. *Journal of Neuroscience*, **2012**, 32, 436-51	6.6	93
109	Learning from the past and looking to the future: Emerging perspectives for improving the treatment of psychiatric disorders. *European Neuropsychopharmacology*, **2015**, 25, 599-656	1.2	86
108	Inhibitors of neuronal monoamine uptake. 2. Selective inhibition of 5-hydroxytryptamine uptake by alpha-amino acid esters of phenethyl alcohols. *Journal of Medicinal Chemistry*, **1978**, 21, 448-56	8.3	86
107	5-Hydroxytryptamine 1A receptor blockade facilitates aversive learning in mice: interactions with cholinergic and glutamatergic mechanisms. *Journal of Pharmacology and Experimental Therapeutics*, **2006**, 316, 581-91	4.7	82
106	The role of the serotonin receptor subtypes 5-HT1A and 5-HT7 and its interaction in emotional learning and memory. *Frontiers in Pharmacology*, **2015**, 6, 162	5.6	81
105	Selective 5-HT1A antagonists WAY 100635 and NAD-299 attenuate the impairment of passive avoidance caused by scopolamine in the rat. *Neuropsychopharmacology*, **2003**, 28, 253-64	8.7	81
104	Differential role of galanin receptors in the regulation of depression-like behavior and monoamine/stress-related genes at the cell body level. *Neuropsychopharmacology*, **2008**, 33, 2573-85	8.7	80

103	Galanin is a potent in vivo modulator of mesencephalic serotonergic neurotransmission. *Neuropsychopharmacology*, **2002**, 27, 341-56	8.7	74
102	Analysis of the role of 5-HT1A receptors in spatial and aversive learning in the rat. *Neuropharmacology*, **2005**, 48, 830-52	5.5	73
101	Nogo receptor 1 regulates formation of lasting memories. *Proceedings of the National Academy of Sciences of the United States of America*, **2009**, 106, 20476-81	11.5	72
100	Impeded interaction between Schwann cells and axons in the absence of laminin alpha4. *Journal of Neuroscience*, **2005**, 25, 3692-700	6.6	72
99	A behavioral analysis of the spatial learning deficit induced by the NMDA receptor antagonist MK-801 (dizocilpine) in the rat. *Neuropsychopharmacology*, **1999**, 21, 414-26	8.7	72
98	Differential involvement of the dorsal hippocampus in passive avoidance in C57bl/6J and DBA/2J mice. *Hippocampus*, **2008**, 18, 11-9	3.5	67
97	Neuropeptides in learning and memory processes with focus on galanin. *European Journal of Pharmacology*, **2010**, 626, 9-17	5.3	66
96	D1- and D2-receptor antagonists induce catalepsy via different efferent striatal pathways [corrected]. *Neuroscience Letters*, **1988**, 85, 333-8	3.3	64
95	EGb761 protects against nigrostriatal dopaminergic neurotoxicity in 1-methyl-4-phenyl-1,2,3,6-tetrahydropyridine-induced Parkinsonism in mice: role of oxidative stress. *European Journal of Neuroscience*, **2008**, 28, 41-50	3.5	63
94	Differential effects of selective adenosine A1 and A2A receptor agonists on dopamine receptor agonist-induced behavioural responses in rats. *European Journal of Pharmacology*, **1998**, 347, 153-8	5.3	63
93	Effects of prenatal exposure to methylmercury on dopamine-mediated locomotor activity and dopamine D2 receptor binding. *Naunyn-Schmiedebergs Archives of Pharmacology*, **2003**, 367, 500-8	3.4	59
92	An ancient duplication of exon 5 in the Snap25 gene is required for complex neuronal development/function. *PLoS Genetics*, **2008**, 4, e1000278	6	58
91	Big dynorphin, a prodynorphin-derived peptide produces NMDA receptor-mediated effects on memory, anxiolytic-like and locomotor behavior in mice. *Neuropsychopharmacology*, **2006**, 31, 1928-37	8.7	56
90	Role of serotonin in memory: facilitation by alaproclate and zimeldine. *Psychopharmacology*, **1984**, 84, 496-502	4.7	56
89	5-HT7 receptor stimulation by 8-OH-DPAT counteracts the impairing effect of 5-HT(1A) receptor stimulation on contextual learning in mice. *European Journal of Pharmacology*, **2008**, 596, 107-10	5.3	55
88	Neuropeptide and Small Transmitter Coexistence: Fundamental Studies and Relevance to Mental Illness. *Frontiers in Neural Circuits*, **2018**, 12, 106	3.5	53
87	Enhanced hippocampal noradrenaline and serotonin release in galanin-overexpressing mice after repeated forced swimming test. *Proceedings of the National Academy of Sciences of the United States of America*, **2004**, 101, 354-9	11.5	52
86	Galanin attenuates basal and antidepressant drug-induced increase of extracellular serotonin and noradrenaline levels in the rat hippocampus. *Neuroscience Letters*, **2003**, 339, 239-42	3.3	51

85	Chemical identity of 5-HT2A receptor immunoreactive neurons of the rat septal complex and dorsal hippocampus. *Brain Research*, **2004**, 1010, 156-65	3.7	48
84	Galanin enhances and a galanin antagonist attenuates depression-like behaviour in the rat. *European Neuropsychopharmacology*, **2007**, 17, 64-9	1.2	46
83	Galanin receptor antagonists : a potential novel pharmacological treatment for mood disorders. *CNS Drugs*, **2006**, 20, 633-54	6.7	46
82	Effects of typical and atypical antipsychotic drugs on two-way active avoidance. Relationship to DA receptor blocking profile. *Psychopharmacology*, **1994**, 114, 383-91	4.7	46
81	5-HT1A and 5-HT7 receptor crosstalk in the regulation of emotional memory: implications for effects of selective serotonin reuptake inhibitors. *Neuropharmacology*, **2012**, 63, 1150-60	5.5	44
80	Analysis of the 5-HT1A receptor involvement in passive avoidance in the rat. *British Journal of Pharmacology*, **1998**, 125, 499-509	8.6	44
79	Evidence in locomotion test for the functional heterogeneity of ORL-1 receptors. *British Journal of Pharmacology*, **2004**, 141, 132-40	8.6	44
78	Disruption of EphA/ephrin-a signaling in the nigrostriatal system reduces dopaminergic innervation and dissociates behavioral responses to amphetamine and cocaine. *Molecular and Cellular Neurosciences*, **2004**, 26, 418-28	4.8	44
77	The effects of p-chloroamphetamine, a depletor of brain serotonin, on the performance of rats in two types of positively reinforced complex spatial discrimination tasks. *Behavioral and Neural Biology*, **1989**, 52, 131-44		44
76	Intraventricular galanin modulates a 5-HT1A receptor-mediated behavioural response in the rat. *European Journal of Neuroscience*, **1998**, 10, 1230-40	3.5	41
75	Differential effects of the putative galanin receptor antagonists M15 and M35 on striatal acetylcholine release. *European Journal of Pharmacology*, **1993**, 242, 59-64	5.3	41
74	Simultaneous determination of acetylcholine, choline and physostigmine in microdialysis samples from rat hippocampus by microbore liquid chromatography/electrochemistry on peroxidase redox polymer coated electrodes. *Journal of Neuroscience Methods*, **1998**, 83, 143-50	3	40
73	Behavioural characterisation of young adult transgenic mice overexpressing galanin under the PDGF-B promoter. *Regulatory Peptides*, **2005**, 125, 67-78		40
72	Neural Stem Cell Transplant-Induced Effect on Neurogenesis and Cognition in Alzheimer Tg2576 Mice Is Inhibited by Concomitant Treatment with Amyloid-Lowering or Cholinergic α7 Nicotinic Receptor Drugs. *Neural Plasticity*, **2015**, 2015, 370432	3.3	38
71	Galanin and spatial learning in the rat. Evidence for a differential role for galanin in subregions of the hippocampal formation. *Neuropharmacology*, **2000**, 39, 1386-403	5.5	38
70	Galanin and learning. *Brain Research*, **1999**, 848, 174-82	3.7	37
69	Hypericum perforatum L (St John's wort) preferentially increases extracellular dopamine levels in the rat prefrontal cortex. *British Journal of Pharmacology*, **2004**, 142, 414-8	8.6	36
68	Behavioral and autonomic dynamics during contextual fear conditioning in mice. *Autonomic Neuroscience: Basic and Clinical*, **2004**, 115, 15-27	2.4	36

67	Central NPY receptor-mediated alteration of heart rate dynamics in mice during expression of fear conditioned to an auditory cue. *Regulatory Peptides*, **2004**, 120, 205-14		35
66	Assessing aversive emotional states through the heart in mice: implications for cardiovascular dysregulation in affective disorders. *Neuroscience and Biobehavioral Reviews*, **2009**, 33, 181-90	9	33
65	Ethanol and acetaldehyde exposure induces specific epigenetic modifications in the prodynorphin gene promoter in a human neuroblastoma cell line. *FASEB Journal*, **2011**, 25, 1069-75	0.9	33
64	Behavioural characterisation of transgenic mice overexpressing galanin under the PDGF-B promoter. *Neuropeptides*, **2005**, 39, 299-304	3.3	33
63	The effects of methylmercury on motor activity are sex- and age-dependent, and modulated by genetic deletion of adenosine receptors and caffeine administration. *Toxicology*, **2007**, 241, 119-33	4.4	32
62	Intraventricular galanin produces a time-dependent modulation of 5-HT1A receptors in the dorsal raphe of the rat. *NeuroReport*, **2000**, 11, 3943-8	1.7	32
61	Prolonged effects of intraventricular galanin on a 5-hydroxytryptamine(1A) receptor mediated function in the rat. *Neuroscience Letters*, **2001**, 299, 145-9	3.3	32
60	Galanin stimulates acetylcholine release in the rat striatum. *Neuroscience Letters*, **1991**, 128, 253-6	3.3	32
59	5-HT(1A) and NMDA receptors interact in the rat medial septum and modulate hippocampal-dependent spatial learning. *Hippocampus*, **2009**, 19, 1187-98	3.5	31
58	The fast-off hypothesis revisited: A functional kinetic study of antipsychotic antagonism of the dopamine D2 receptor. *European Neuropsychopharmacology*, **2016**, 26, 467-76	1.2	30
57	Corticotropin-releasing factor receptor 1 and central heart rate regulation in mice during expression of conditioned fear. *Journal of Pharmacology and Experimental Therapeutics*, **2005**, 312, 905-16	4.7	30
56	Effect of N-methyl-D-aspartate on motor activity and in vivo adenosine striatal outflow in the rat. *European Journal of Pharmacology*, **1999**, 385, 15-9	5.3	30
55	"Atypical" neuromodulatory profile of glutapyrone, a representative of a novel class of amino acid-containing dipeptide-mimicking 1,4-dihydropyridine (DHP) compounds: in vitro and in vivo studies. *European Neuropsychopharmacology*, **1998**, 8, 329-47	1.2	29
54	Repeated low dose of phencyclidine administration impairs spatial learning in mice: blockade by clozapine but not by haloperidol. *European Neuropsychopharmacology*, **2008**, 18, 486-97	1.2	29
53	Distribution of galanin and galanin transcript in the brain of a galanin-overexpressing transgenic mouse. *Journal of Chemical Neuroanatomy*, **2004**, 28, 185-216	3.2	29
52	Neonatal infection with neurotropic influenza A virus affects working memory and expression of type III Nrg1 in adult mice. *Brain, Behavior, and Immunity*, **2009**, 23, 733-41	16.6	28
51	Chronic haloperidol treatment leads to an increase in the intramembrane interaction between adenosine A2 and dopamine D2 receptors in the neostriatum. *Psychopharmacology*, **1994**, 116, 279-84	4.7	28
50	Reduced ethanol response in the alcohol-preferring RHA rats and neuropeptide mRNAs in relevant structures. *European Journal of Neuroscience*, **2006**, 23, 531-40	3.5	27

49	Galanin-evoked acetylcholine release in the rat striatum is blocked by the putative galanin antagonist M15. *Brain Research*, **1992**, 574, 317-9	3.7	27
48	GABA(A) receptor activation in the CA1 area of the dorsal hippocampus impairs consolidation of conditioned contextual fear in C57BL/6J mice. *Behavioural Brain Research*, **2013**, 238, 160-9	3.4	26
47	Rapid increase of Nurr1 mRNA expression in limbic and cortical brain structures related to coping with depression-like behavior in mice. *Journal of Neuroscience Research*, **2010**, 88, 2284-93	4.4	26
46	The nociceptin system and hippocampal cognition in mice: a pharmacological and genetic analysis. *Brain Research*, **2009**, 1305 Suppl, S7-19	3.7	26
45	Effects of repeated treatment of phencyclidine on cognition and gene expression in C57BL/6 mice. *International Journal of Neuropsychopharmacology*, **2009**, 12, 243-55	5.8	26
44	Activation of the brain 5-HT2C receptors causes hypolocomotion without anxiogenic-like cardiovascular adjustments in mice. *Neuropharmacology*, **2007**, 52, 949-57	5.5	26
43	Replacing SNAP-25b with SNAP-25a expression results in metabolic disease. *Proceedings of the National Academy of Sciences of the United States of America*, **2015**, 112, E4326-35	11.5	25
42	Blockade of 5-HT 1B receptors facilitates contextual aversive learning in mice by disinhibition of cholinergic and glutamatergic neurotransmission. *Neuropharmacology*, **2008**, 54, 1041-50	5.5	25
41	The neuropeptide galanin as an in vivo modulator of brain 5-HT1A receptors: possible relevance for affective disorders. *Physiology and Behavior*, **2007**, 92, 172-9	3.5	25
40	Central noradrenaline depletion attenuates amphetamine-induced locomotor behavior. *Neuroscience Letters*, **1986**, 64, 139-44	3.3	25
39	Evaluation of exploration and risk assessment in pre-weaning mice using the novel cage test. *Physiology and Behavior*, **2008**, 93, 139-47	3.5	24
38	Analysis of the role of the 5-HT1B receptor in spatial and aversive learning in the rat. *Neuropsychopharmacology*, **2003**, 28, 1642-55	8.7	24
37	Bidirectional modulation of classical fear conditioning in mice by 5-HT(1A) receptor ligands with contrasting intrinsic activities. *Neuropharmacology*, **2009**, 57, 567-76	5.5	23
36	Some aspects on the anatomy and function of central cholecystokinin systems. *Basic and Clinical Pharmacology and Toxicology*, **2002**, 91, 382-6		22
35	Decreased ethanol preference and wheel running in Nurr1-deficient mice. *European Journal of Neuroscience*, **2003**, 17, 2418-24	3.5	22
34	Galanin stimulates striatal acetylcholine release via a mechanism unrelated to cholinergic receptor stimulation. *Regulatory Peptides*, **1993**, 45, 353-62		22
33	Galanin, galanin receptor subtypes and depression-like behaviour. *Exs*, **2010**, 102, 163-81		22
32	Modification of inherent and drug-induced dopaminergic activity after exposure to benzo(alpha)pyrene. *NeuroToxicology*, **2007**, 28, 860-7	4.4	19

31	Gene expression changes in brains of mice exposed to a maternal virus infection. *NeuroReport*, **2005**, 16, 1111-5	1.7	19
30	Dopamine D1 and D2 receptor-mediated acute and long-lasting behavioral effects of glial cell line-derived neurotrophic factor administered into the striatum. *Experimental Neurology*, **1998**, 154, 302-14	5.7	19
29	Serotonin receptor involvement in the avoidance learning deficit caused by p-chloroamphetamine-induced serotonin release. *Acta Physiologica Scandinavica*, **1986**, 126, 449-62		19
28	The Behavioural Pharmacology of Typical and Atypical Antipsychotic Drugs. *Handbook of Experimental Pharmacology*, **1996**, 225-266	3.2	18
27	Local dopaminergic modulation of the motor activity induced by N-methyl-D-aspartate receptor stimulation in the ventral hippocampus. *Neuropsychopharmacology*, **2002**, 26, 737-43	8.7	17
26	Dissociation of temporal dynamics of heart rate and blood pressure responses elicited by conditioned fear but not acoustic startle. *Behavioral Neuroscience*, **2005**, 119, 55-65	2.1	17
25	Potential antipsychotic agents. Part 8. Antidopaminergic properties of a potent series of 5-substituted (1)-(S)-N-[(1-ethylpyrrolidin-2-yl)methyl]-2,3-dimethoxybcnzaimides. Synthesis via common lithio intermediates. *Helvetica Chimica Acta*, **1990**, 73, 417-425	2	17
24	Facilitation of dopamine-mediated locomotor activity in adult rats following cholinergic denervation. *Experimental Neurology*, **2002**, 174, 96-108	5.7	16
23	Typical and atypical antipsychotics do not differ markedly in their reversibility of antagonism of the dopamine D2 receptor. *International Journal of Neuropsychopharmacology*, **2014**, 17, 149-55	5.8	15
22	Effects of the 5-HT1B receptor antagonist NAS-181 on extracellular levels of acetylcholine, glutamate and GABA in the frontal cortex and ventral hippocampus of awake rats: a microdialysis study. *European Neuropsychopharmacology*, **2007**, 17, 580-6	1.2	15
21	60 years of advances in neuropsychopharmacology for improving brain health, renewed hope for progress. *European Neuropsychopharmacology*, **2015**, 25, 591-8	1.2	13
20	The selective 5-HT(1A) receptor antagonist NAD-299 increases acetylcholine release but not extracellular glutamate levels in the frontal cortex and hippocampus of awake rat. *European Neuropsychopharmacology*, **2010**, 20, 487-500	1.2	13
19	Increased phencyclidine-induced hyperactivity following cortical cholinergic denervation. *NeuroReport*, **2005**, 16, 1815-9	1.7	11
18	Prenatal exposure to carbamazepine reduces hippocampal and cortical neuronal cell population in new-born and young mice without detectable effects on learning and memory. *PLoS ONE*, **2013**, 8, e80497	3.7	11
17	Time-dependent effects of intrahippocampal galanin on spatial learning. Relationship to distribution and kinetics. *Annals of the New York Academy of Sciences*, **1998**, 863, 454-6	6.5	10
16	Central 5-HT1A receptor-mediated modulation of heart rate dynamics and its adjustment by conditioned and unconditioned fear in mice. *British Journal of Pharmacology*, **2013**, 170, 859-70	8.6	8
15	Modeling Parkinson's disease genetics: altered function of the dopamine system in Adh4 knockout mice. *Behavioural Brain Research*, **2011**, 217, 439-45	3.4	8
14	Distribution of galanin in the brain of a galanin-overexpressing transgenic mouse. *Neuropeptides*, **2005**, 39, 293-8	3.3	8

13	Dopamine receptor antagonists block nerve growth factor-induced hyperactivity. *European Journal of Pharmacology*, **1997**, 326, 1-5	5.3	7
12	Ontogeny of the motor inhibitory role of dopamine D(3) receptor subtype in rats. *European Journal of Pharmacology*, **2000**, 392, 35-9	5.3	6
11	Galanin: Regulation of Cholinergic Function and Behaviour **1991**, 193-199		6
10	Atypical but not typical antipsychotic drugs ameliorate phencyclidine-induced emotional memory impairments in mice. *European Neuropsychopharmacology*, **2019**, 29, 616-628	1.2	5
9	Analysis of mechanisms for memory enhancement using novel and potent 5-HT1A receptor ligands. *European Neuropsychopharmacology*, **2015**, 25, 1314-23	1.2	5
8	Nociceptin and the NOP receptor in aversive learning in mice. *European Neuropsychopharmacology*, **2017**, 27, 1298-1307	1.2	5
7	Effects of naltrexone and acamprosate on alcohol-induced NGFI-A expression in mouse brain. *Neurochemical Research*, **2008**, 33, 2062-9	4.6	5
6	Involvement of the Striatal Medium Spiny Neurons of the Direct Pathway in the Motor Stimulant Effects of Phencyclidine. *International Journal of Neuropsychopharmacology*, **2016**, 19,	5.8	4
5	Modulation of a 5-HT1A receptor-mediated behavioral response by the neuropeptide galanin. *Annals of the New York Academy of Sciences*, **1998**, 863, 442-4	6.5	2
4	Classical Neurotransmitters and Neuropeptides **2013**, 1835-1841		1
3	Prolonged treatment with haloperidol and clozapine in the rat: differential effects on spontaneous and theophylline-induced motor activity. *Neuroscience Letters*, **1997**, 232, 21-4	3.3	1
2	Modulation of neurotransmitter release and metabolism **2005**, 47-58		
1	Injection of galanin into the dorsal hippocampus impairs emotional memory independent of 5-HT receptor activation. *Behavioural Brain Research*, **2021**, 405, 113178	3.4	