Tomas Hkfelt

List of Publications by Year in Descending Order

129 papers	8,796 citations	47 h-index	92 g-index
133 ext. papers	9,724 ext. citations	7.4 avg, IF	5.65 L-index

#	Paper	IF	Citations
129	Pain-like behavior in the collagen antibody-induced arthritis model is regulated by lysophosphatidic acid and activation of satellite glia cells.. *Brain, Behavior, and Immunity*, **2022**, 101, 214-230	16.6	1
128	GRK3 deficiency elicits brain immune activation and psychosis. *Molecular Psychiatry*, **2021**,	15.1	2
127	Injection of galanin into the dorsal hippocampus impairs emotional memory independent of 5-HT receptor activation. *Behavioural Brain Research*, **2021**, 405, 113178	3.4	
126	Involvement of Scratch2 in GalR1-mediated depression-like behaviors in the rat ventral periaqueductal gray. *Proceedings of the National Academy of Sciences of the United States of America*, **2021**, 118,	11.5	1
125	Disorganization and degeneration of liver sympathetic innervations in nonalcoholic fatty liver disease revealed by 3D imaging. *Science Advances*, **2021**, 7,	14.3	2
124	Sex-Specific Differences in Rodents Following a Single Primary Blast Exposure: Focus on the Monoamine and Galanin Systems. *Frontiers in Neurology*, **2020**, 11, 540144	4.1	1
123	Molecular design of hypothalamus development. *Nature*, **2020**, 582, 246-252	50.4	37
122	An atlas of the protein-coding genes in the human, pig, and mouse brain. *Science*, **2020**, 367,	33.3	130
121	Expression and regulation of FRMD6 in mouse DRG neurons and spinal cord after nerve injury. *Scientific Reports*, **2020**, 10, 1880	4.9	3
120	Developmental Time Course of SNAP-25 Isoforms Regulate Hippocampal Long-Term Synaptic Plasticity and Hippocampus-Dependent Learning. *International Journal of Molecular Sciences*, **2020**, 21,	6.3	2
119	A preliminary study on DRGs and spinal cord of a galanin receptor 2-EGFP transgenic mouse. *Neuropeptides*, **2020**, 79, 102000	3.3	2
118	Torgny Svensson, a superb mind and an inspiring colleague. *International Journal of Neuropsychopharmacology*, **2020**, 23, 543-544	5.8	78
117	Secretagogin expression in the vertebrate brainstem with focus on the noradrenergic system and implications for Alzheimer's disease. *Brain Structure and Function*, **2019**, 224, 2061-2078	4	6
116	Facilitation of neuropathic pain by the NPY Y1 receptor-expressing subpopulation of excitatory interneurons in the dorsal horn. *Scientific Reports*, **2019**, 9, 7248	4.9	27
115	SNAP-25 isoforms differentially regulate synaptic transmission and long-term synaptic plasticity at central synapses. *Scientific Reports*, **2019**, 9, 6403	4.9	22
114	Unified Classification of Molecular, Network, and Endocrine Features of Hypothalamic Neurons. *Annual Review of Neuroscience*, **2019**, 42, 1-26	17	15
113	On the origin of eating disorders: altered signaling between gut microbiota, adaptive immunity and the brain melanocortin system regulating feeding behavior. *Current Opinion in Pharmacology*, **2019**, 48, 82-91	5.1	30

112	Exploring the transcriptome of resident spinal microglia after collagen antibody-induced arthritis. *Pain*, **2019**, 160, 224-236	8	27
111	Hypothalamic cell diversity: non-neuronal codes for long-distance volume transmission by neuropeptides. *Current Opinion in Neurobiology*, **2019**, 56, 16-23	7.6	11
110	A Comparative Study of Two Blast-Induced Traumatic Brain Injury Models: Changes in Monoamine and Galanin Systems Following Single and Repeated Exposure. *Frontiers in Neurology*, **2018**, 9, 479	4.1	10
109	Diversity matters: combinatorial information coding by GABA receptor subunits during spatial learning and its allosteric modulation. *Cellular Signalling*, **2018**, 50, 142-159	4.9	4
108	Secretagogin protects Pdx1 from proteasomal degradation to control a transcriptional program required for □cell specification. *Molecular Metabolism*, **2018**, 14, 108-120	8.8	10
107	Ca2+-binding protein NECAB2 facilitates inflammatory pain hypersensitivity. *Journal of Clinical Investigation*, **2018**, 128, 3757-3768	15.9	9
106	Neuropeptide and Small Transmitter Coexistence: Fundamental Studies and Relevance to Mental Illness. *Frontiers in Neural Circuits*, **2018**, 12, 106	3.5	53
105	Autoantibodies reactive to adrenocorticotropic hormone can alter cortisol secretion in both aggressive and nonaggressive humans. *Proceedings of the National Academy of Sciences of the United States of America*, **2018**, 115, E6576-E6584	11.5	9
104	A TRPV1-to-secretagogin regulatory axis controls pancreatic □cell survival by modulating protein turnover. *EMBO Journal*, **2017**, 36, 2107-2125	13	31
103	miR-183 cluster scales mechanical pain sensitivity by regulating basal and neuropathic pain genes. *Science*, **2017**, 356, 1168-1171	33.3	80
102	Identification of endothelin-converting enzyme-2 as an autoantigen in autoimmune polyendocrine syndrome type 1. *Autoimmunity*, **2017**, 50, 223-231	3	3
101	Molecular interrogation of hypothalamic organization reveals distinct dopamine neuronal subtypes. *Nature Neuroscience*, **2017**, 20, 176-188	25.5	226
100	Functional Differentiation of Cholecystokinin-Containing Interneurons Destined for the Cerebral Cortex. *Cerebral Cortex*, **2017**, 27, 2453-2468	5.1	12
99	Axotomy of tributaries of the pelvic and pudendal nerves induces changes in the neurochemistry of mouse dorsal root ganglion neurons and the spinal cord. *Brain Structure and Function*, **2016**, 221, 1985-2004	4	6
98	Early attempts to visualize cortical monoamine nerve terminals. *Brain Research*, **2016**, 1645, 8-11	3.7	7
97	High-fat diet increases ghrelin-expressing cells in stomach, contributing to obesity. *Nutrition*, **2016**, 32, 709-15	4.8	22
96	Comparative anatomical distribution of neuronal calcium-binding protein (NECAB) 1 and -2 in rodent and human spinal cord. *Brain Structure and Function*, **2016**, 221, 3803-23	4	12
95	Gut Commensal E.□coli Proteins Activate Host Satiety Pathways following Nutrient-Induced Bacterial Growth. *Cell Metabolism*, **2016**, 23, 324-34	24.6	170

94	Exploring the role of neuropeptide S in the regulation of arousal: a functional anatomical study. *Brain Structure and Function*, **2016**, 221, 3521-46	4	13
93	Chronic venlafaxine treatment fails to alter the levels of galanin system transcripts in normal rats. *Neuropeptides*, **2016**, 57, 65-70	3.3	11
92	Expression of galanin and its receptors are perturbed in a rodent model of mild, blast-induced traumatic brain injury. *Experimental Neurology*, **2016**, 279, 159-167	5.7	13
91	Minor differences in the molecular machinery mediating regulated membrane fusion has major impact on metabolic health. *Adipocyte*, **2016**, 5, 318-25	3.2	6
90	Nonsulfated cholecystokinins in cerebral neurons. *Neuropeptides*, **2016**, 60, 37-44	3.3	7
89	Phenotypic changes in dorsal root ganglion and spinal cord in the collagen antibody-induced arthritis mouse model. *Journal of Comparative Neurology*, **2015**, 523, 1505-28	3.4	30
88	The number of preproghrelin mRNA expressing cells is increased in mice with activity-based anorexia. *Neuropeptides*, **2015**, 51, 17-23	3.3	16
87	Neurotransmitter Systems in a Mild Blast Traumatic Brain Injury Model: Catecholamines and Serotonin. *Journal of Neurotrauma*, **2015**, 32, 1190-9	5.4	28
86	A secretagogin locus of the mammalian hypothalamus controls stress hormone release. *EMBO Journal*, **2015**, 34, 36-54	13	46
85	Physiology, signaling, and pharmacology of galanin peptides and receptors: three decades of emerging diversity. *Pharmacological Reviews*, **2015**, 67, 118-75	22.5	200
84	G protein-gated inwardly rectifying potassium channel subunits 1 and 2 are down-regulated in rat dorsal root ganglion neurons and spinal cord after peripheral axotomy. *Molecular Pain*, **2015**, 11, 44	3.4	18
83	Neuropeptide S- and Neuropeptide S receptor-expressing neuron populations in the human pons. *Frontiers in Neuroanatomy*, **2015**, 9, 126	3.6	17
82	Glucose intolerance and pancreatic Ecell dysfunction in the anorectic anx/anx mouse. *American Journal of Physiology - Endocrinology and Metabolism*, **2015**, 309, E418-27	6	9
81	Defining the Human Brain Proteome Using Transcriptomics and Antibody-Based Profiling with a Focus on the Cerebral Cortex. *PLoS ONE*, **2015**, 10, e0130028	3.7	34
80	Narcolepsy patients have antibodies that stain distinct cell populations in rat brain and influence sleep patterns. *Proceedings of the National Academy of Sciences of the United States of America*, **2014**, 111, E3735-44	11.5	63
79	Activation of galanin receptor 2 stimulates large conductance Ca(2+)-dependent K(+) (BK) channels through the IP3 pathway in human embryonic kidney (HEK293) cells. *Biochemical and Biophysical Research Communications*, **2014**, 446, 316-21	3.4	7
78	Correlation between the effects of local and intracerebroventricular infusions of galanin on 5-HT release studied by microdialysis, and distribution of galanin and galanin receptors in prefrontal cortex, ventral hippocampus, amygdala, hypothalamus, and striatum of awake rats. *Synapse*, **2014**, 68, 179-93	2.4	11
77	The renaissance of Ca2+-binding proteins in the nervous system: secretagogin takes center stage. *Cellular Signalling*, **2012**, 24, 378-387	4.9	48

76	Characterization of neuropeptide Y2 receptor protein expression in the mouse brain. II. Coexistence with NPY, the Y1 receptor, and other neurotransmitter-related molecules. *Journal of Comparative Neurology*, **2011**, 519, spc1-spc1	3.4	
75	Looking at neurotransmitters in the microscope. *Progress in Neurobiology*, **2010**, 90, 101-18	10.9	16
74	Chemical neuroanatomy of the dorsal raphe nucleus and adjacent structures of the mouse brain. *Journal of Comparative Neurology*, **2010**, 518, 3464-94	3.4	120
73	Galanin, galanin receptor subtypes and depression-like behaviour. *Exs*, **2010**, 102, 163-81		22
72	Galanin and spinal pain mechanisms: past, present, and future. *Exs*, **2010**, 102, 39-50		23
71	Autoantibodies in autoimmune polyglandular syndrome type I patients react with major brain neurotransmitter systems. *Journal of Comparative Neurology*, **2009**, 513, 1-20	3.4	15
70	Autoantibodies in autoimmune polyglandular syndrome type I patients react with major brain neurotransmitter systems. *Journal of Comparative Neurology*, **2009**, 513, spc1-spc1	3.4	
69	Autoantibodies in autoimmune polyglandular syndrome type I patients react with major brain neurotransmitter systems. *Journal of Comparative Neurology*, **2009**, 513, spc1-spc1	3.4	
68	Dendritic synthesis and release of the neuropeptide galanin: morphological evidence from studies on rat locus coeruleus neurons. *Journal of Comparative Neurology*, **2009**, 516, 199-212	3.4	25
67	NPY and its involvement in axon guidance, neurogenesis, and feeding. *Nutrition*, **2008**, 24, 860-8	4.8	49
66	NPY and pain as seen from the histochemical side. *Peptides*, **2007**, 28, 365-72	3.8	46
65	Galanin receptor antagonists : a potential novel pharmacological treatment for mood disorders. *CNS Drugs*, **2006**, 20, 633-54	6.7	46
64	A Galanin Receptor Subtype 1 Specific Agonist. *International Journal of Peptide Research and Therapeutics*, **2005**, 11, 17-27	2.1	39
63	Visualization of a functionally enhanced GFP-tagged galanin R2 receptor in PC12 cells: constitutive and ligand-induced internalization. *Proceedings of the National Academy of Sciences of the United States of America*, **2004**, 101, 15207-12	11.5	43
62	Characterization of neuropeptide Y Y2 and Y5 receptor expression in the mouse hypothalamus. *Journal of Comparative Neurology*, **2004**, 470, 256-65	3.4	56
61	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
60	Neuropeptides: opportunities for drug discovery. *Lancet Neurology, The*, **2003**, 2, 463-72	24.1	234
59	Differential routing of coexisting neuropeptides in vasopressin neurons. *European Journal of Neuroscience*, **2003**, 17, 579-589	3.5	19

58	Some aspects on the anatomy and function of central cholecystokinin systems. *Basic and Clinical Pharmacology and Toxicology*, **2002**, 91, 382-6		22
57	Cyclooxygenase-1 and cyclooxygenase-2 expression in rat kidney and adrenal gland after stimulation with systemic lipopolysaccharide: in situ hybridization and immunocytochemical studies. *Cell and Tissue Research*, **2001**, 303, 235-52	4.2	42
56	Dopamine D(2) receptors regulate tyrosine hydroxylase activity and phosphorylation at Ser40 in rat striatum. *European Journal of Neuroscience*, **2001**, 13, 773-80	3.5	92
55	Transient prenatal expression of NPY-Y1 receptor in trigeminal axons innervating the mystacial vibrissae. *Journal of Comparative Neurology*, **2001**, 429, 183-191	3.4	8
54	Nitric oxide modulates renal sensory nerve fibers by mechanisms related to substance P receptor activation. *American Journal of Physiology - Regulatory Integrative and Comparative Physiology*, **2001** , 281, R279-90	3.2	35
53	Regulation of tyrosine hydroxylase activity and phosphorylation at Ser(19) and Ser(40) via activation of glutamate NMDA receptors in rat striatum. *Journal of Neurochemistry*, **2000**, 74, 2470-7	6	50
52	Expression of neuropeptide Y in olfactory ensheathing cells during prenatal development. *Journal of Comparative Neurology*, **2000**, 423, 13-25	3.4	68
51	Neuropeptide Y expression in Schwann cell precursors. *Glia*, **2000**, 32, 71-83	9	13
50	Intrathecal galanin alleviates allodynia-like behaviour in rats after partial peripheral nerve injury. *European Journal of Neuroscience*, **1999**, 11, 427-32	3.5	50
49	The neuropeptide Y Y1 receptor is a somatic receptor on dorsal root ganglion neurons and a postsynaptic receptor on somatostatin dorsal horn neurons. *European Journal of Neuroscience*, **1999**, 11, 2211-25	3.5	51
48	Serotonin and substance P co-exist in dorsal raphe neurons of the human brain. *NeuroReport*, **1999**, 10, 3967-70	1.7	91
47	Cell penetrating PNA constructs regulate galanin receptor levels and modify pain transmission in vivo. *Nature Biotechnology*, **1998**, 16, 857-61	44.5	519
46	Analysis of selected regulatory pathways for rat galanin gene transcription and their suitability as putative models for negative regulation by NGF. *Annals of the New York Academy of Sciences*, **1998**, 863, 14-21	6.5	1
45	Galanin in ascending systems. Focus on coexistence with 5-hydroxytryptamine and noradrenaline. *Annals of the New York Academy of Sciences*, **1998**, 863, 252-63	6.5	86
44	Electrophysiologic effects of galanin on neurons of the central nervous system. *Annals of the New York Academy of Sciences*, **1998**, 863, 264-73	6.5	24
43	Regulation of expression of galanin and galanin receptors in dorsal root ganglia and spinal cord after axotomy and inflammation. *Annals of the New York Academy of Sciences*, **1998**, 863, 402-13	6.5	83
42	Effects of three galanin analogs on the outward current evoked by galanin in locus coeruleus. *Annals of the New York Academy of Sciences*, **1998**, 863, 459-65	6.5	18
41	Regulatory effects of trophic factors on expression and distribution of CGRP and GAP-43 in rat motoneurons. *Journal of Neuroscience Research*, **1998**, 51, 1-14	4.4	26

40	Galanin/GMAP- and NPY-like immunoreactivities in locus coeruleus and noradrenergic nerve terminals in the hippocampal formation and cortex with notes on the galanin-R1 and -R2 receptors. *Journal of Comparative Neurology*, **1998**, 392, 227-51	3.4	139
39	Galanin-R1 receptor in anterior and mid-hypothalamus: Distribution and regulation. *Journal of Comparative Neurology*, **1998**, 399, 321-340	3.4	55
38	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		49
37	The distribution of cGMP in the adrenal gland in the rat, guinea pig and mouse after stimulation with sodium nitroprusside. *Cell and Tissue Research*, **1998**, 294, 393-406	4.2	7
36	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	2.3	51
35	The NO-cGMP pathway in the rat locus coeruleus: electrophysiological, immunohistochemical and in situ hybridization studies. *European Journal of Neuroscience*, **1998**, 10, 3508-16	3.5	30
34	Galanin-R1 receptor in anterior and mid-hypothalamus: Distribution and regulation **1998**, 399, 321		5
33	Developmental expression of nitric oxide synthase in the rat diencephalon with special reference to the thalamic paratenial nucleus. *International Journal of Developmental Neuroscience*, **1997**, 15, 931-8	2.7	7
32	Expression of galanin and nitric oxide synthase in subpopulations of serotonin neurons of the rat dorsal raphe nucleus. *Journal of Chemical Neuroanatomy*, **1997**, 13, 169-87	3.2	85
31	Cholecystokinin-8S increases dynorphin B, aspartate and glutamate release in the fronto-parietal cortex of the rat via different receptor subtypes. *Naunyn-Schmiedebergs Archives of Pharmacology*, **1997**, 355, 576-81	3.4	11
30	125I-galanin binding sites in Alzheimer's disease: increases in hippocampal subfields and a decrease in the caudate nucleus. *Journal of Neurochemistry*, **1997**, 68, 1106-13	6	39
29	Phenotype of intraadrenal ganglion neurons during postnatal development in rat. *Journal of Comparative Neurology*, **1996**, 371, 603-20	3.4	17
28	Neuropeptides and neurotrophin receptor mRNAs in primary sensory neurons of aged rats. *Journal of Comparative Neurology*, **1996**, 375, 303-19	3.4	84
27	Expression of peptides, nitric oxide synthase and NPY receptor in trigeminal and nodose ganglia after nerve lesions. *Experimental Brain Research*, **1996**, 111, 393-404	2.3	59
26	Decreased expression of TrkB and TrkC mRNAs in spinal motoneurons of aged rats. *European Journal of Neuroscience*, **1996**, 8, 494-9	3.5	37
25	Neuropeptides and neurotrophin receptor mRNAs primary sensory neurons of aged rats **1996**, 375, 303		1
24	Control of lamprey locomotor neurons by colocalized monoamine transmitters. *Nature*, **1995**, 374, 266-8	50.4	95
23	Neuropeptide Y and galanin binding sites in rat and monkey lumbar dorsal root ganglia and spinal cord and effect of peripheral axotomy. *European Journal of Neuroscience*, **1995**, 7, 367-80	3.5	65

22	Fibroblast growth factors regulate calcitonin gene-related peptide mRNA expression in rat motoneurons after lesion and in culture. *European Journal of Neuroscience*, **1995**, 7, 1739-50	3.5	62
21	Acidic FGF and FGF receptors are specifically expressed in neurons of developing and adult rat dorsal root ganglia. *European Journal of Neuroscience*, **1995**, 7, 863-74	3.5	44
20	Secretory pathways of neuropeptides in rat lumbar dorsal root ganglion neurons and effects of peripheral axotomy. *Journal of Comparative Neurology*, **1995**, 352, 481-500	3.4	53
19	Increase in alpha-CGRP and GAP-43 in aged motoneurons: a study of peptides, growth factors, and ChAT mRNA in the lumbar spinal cord of senescent rats with symptoms of hindlimb incapacities. *Journal of Comparative Neurology*, **1995**, 359, 69-89	3.4	47
18	Distribution of acidic fibroblast growth factor mRNA-expressing neurons in the adult mouse central nervous system. *Journal of Comparative Neurology*, **1995**, 359, 323-39	3.4	15
17	trkC-like immunoreactivity in the primate descending serotoninergic system. *European Journal of Neuroscience*, **1994**, 6, 230-6	3.5	15
16	Large calibre primary afferent neurons projecting to the gracile nucleus express neuropeptide Y after sciatic nerve lesions: an immunohistochemical and in situ hybridization study in rats. *European Journal of Neuroscience*, **1993**, 5, 1510-9	3.5	97
15	CGRP-like immunoreactivity in A11 dopamine neurons projecting to the spinal cord and a note on CGRP-CCK cross-reactivity. *Brain Research*, **1993**, 600, 39-48	3.7	52
14	Neuropeptides in perspective: the last ten years. *Neuron*, **1991**, 7, 867-79	13.9	556
13	Distribution of galaninlike immunoreactivity in the rat central nervous system. *Journal of Comparative Neurology*, **1986**, 248, 475-517	3.4	623
12	Neuropeptide Y (NPY)- and FMRFamide neuropeptide-like immunoreactivities in catecholamine neurons of the rat medulla oblongata. *Acta Physiologica Scandinavica*, **1983**, 117, 315-8		234
11	PHI, a VIP-like peptide, is present in the rat median eminence. *Acta Physiologica Scandinavica*, **1982**, 116, 469-71		60
10	Neuropeptide Y (NPY)-like immunoreactivity in peripheral noradrenergic neurons and effects of NPY on sympathetic function. *Acta Physiologica Scandinavica*, **1982**, 116, 477-80		1080
9	Immunohistochemical evidence for a "neurotoxic" action of (D-Pro2, D-Trp7,9)-substance P, an analogue with substance P antagonistic activity. *Acta Physiologica Scandinavica*, **1981**, 113, 571-3		88
8	Avian pancreatic polypeptide (APP) inhibits atropine resistant vasodilation in cat submandibular salivary gland and nasal mucosa: possible interaction with VIP. *Acta Physiologica Scandinavica*, **1980**, 110, 199-201		34
7	Reduction of adrenaline turnover in cardiovascular areas of rat medulla oblongata by clonidine. *Acta Physiologica Scandinavica*, **1979**, 107, 177-9		22
6	Immunohistochemical evidence for substance P immunoreactive nerve fibres in the taste buds of the cat. *Acta Physiologica Scandinavica*, **1979**, 107, 389-91		74
5	Evidence for a dopaminergic pathway in the rat descending from the A11 cell group to the spinal cord. *Acta Physiologica Scandinavica*, **1979**, 107, 393-5		156

4	Evidence for a selective reduction of adrenaline turnover in the dorsal midline area of the caudal medulla oblongata of young spontaneous hypertensive rats. *Acta Physiologica Scandinavica*, **1979**, 107, 397-9		27
3	Peptides in the cat carotid body (glomus caroticum): VIP-, enkephalin-, and substance P-like immunoreactivity. *Acta Physiologica Scandinavica*, **1979**, 107, 279-81		134
2	The distribution of enkephalin-immunoreactive cell bodies in the rat central nervous system. *Neuroscience Letters*, **1977**, 5, 25-31	3.3	672
1	Effects of piperoxane on sleep and waking in the rat. Evidence for increased waking by blocking inhibitory adrenaline receptors on the locus coeruleus. *Acta Physiologica Scandinavica*, **1974**, 91, 566-7		82