Kjell Fuxe

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813 papers	46,487 citations	108 h-index	174 g-index
830 ext. papers	48,868 ext. citations	4.4 avg, IF	7 L-index

#	Paper	IF	Citations
813	Acetylcholine receptors containing the beta2 subunit are involved in the reinforcing properties of nicotine. *Nature*, **1998**, 391, 173-7	50.4	1111
812	Receptor activity and turnover of dopamine and noradrenaline after neuroleptics. *European Journal of Pharmacology*, **1970**, 11, 303-14	5.3	890
811	Evidence for dopamine receptor stimulation by apomorphine. *Journal of Pharmacy and Pharmacology*, **1967**, 19, 627-9	4.8	804
810	Adenosine-dopamine receptor-receptor interactions as an integrative mechanism in the basal ganglia. *Trends in Neurosciences*, **1997**, 20, 482-7	13.3	676
809	Effect of antidepressant drugs on the depletion of intraneuronal brain 5-hydroxytryptamine stores caused by 4-methyl-alpha-ethyl-meta-tyramine. *European Journal of Pharmacology*, **1969**, 5, 357-66	5.3	557
808	Mapping of glucocorticoid receptor immunoreactive neurons in the rat tel- and diencephalon using a monoclonal antibody against rat liver glucocorticoid receptor. *Endocrinology*, **1985**, 117, 1803-12	4.8	482
807	CELLULAR LOCALIZATION OF MONOAMINES IN THE SPINAL CORD. *Acta Physiologica Scandinavica*, **1964**, 60, 112-9		469
806	On the projections from the locus coeruleus noradrealine neurons: the cerebellar innervation. *Brain Research*, **1971**, 28, 165-71	3.7	442
805	Coaggregation, cointernalization, and codesensitization of adenosine A2A receptors and dopamine D2 receptors. *Journal of Biological Chemistry*, **2002**, 277, 18091-7	5.4	393
804	Biochemical and histochemical studies on the effects of imipramine-like drugs and (+)-amphetamine on central and peripheral catecholamine neurons. *Acta Physiologica Scandinavica*, **1966**, 67, 481-97		392
803	Heterogeneity of striatal and limbic dopamine innervation: highly fluorescent islands in developing and adult rats. *Brain Research*, **1972**, 44, 283-8	3.7	375
802	Distribution of thyrotropin-releasing hormone (TRH) in the central nervous system as revealed with immunohistochemistry. *European Journal of Pharmacology*, **1975**, 34, 389-92	5.3	365
801	Targeting adenosine A2A receptors in Parkinson's disease. *Trends in Neurosciences*, **2006**, 29, 647-54	13.3	364
800	Evidence for the existence of monoamine neurons in the central nervous system. *Cell and Tissue Research*, **1965**, 65, 573-596	4.2	363
799	Biochemistry, molecular biology, and physiology of the glucocorticoid receptor. *Endocrine Reviews*, **1987**, 8, 185-234	27.2	360
798	Effects of some antidepressant drugs on the depletion of intraneuronal brain catecholamine stores caused by 4,alpha-dimethyl-meta-tyramine. *European Journal of Pharmacology*, **1969**, 5, 367-73	5.3	358
797	Adenosine A2A-dopamine D2 receptor-receptor heteromerization: qualitative and quantitative assessment by fluorescence and bioluminescence energy transfer. *Journal of Biological Chemistry*, **2003**, 278, 46741-9	5.4	353

796	THE DISTRIBUTION OF ADRENERGIC NERVE FIBRES TO THE BLOOD VESSELS IN SKELETAL MUSCLE. *Acta Physiologica Scandinavica*, **1965**, 64, 75-86		348
795	Functional role of the nigro-neostriatal dopamine neurons. *Acta Pharmacologica Et Toxicologica*, **1966**, 24, 263-74		340
794	Rat medulla oblongata. II. Dopaminergic, noradrenergic (A1 and A2) and adrenergic neurons, nerve fibers, and presumptive terminal processes. *Journal of Comparative Neurology*, **1985**, 233, 308-32	3.4	339
793	A quantitative study on the nigro-neostriatal dopamine neuron system in the rat. *Acta Physiologica Scandinavica*, **1966**, 67, 306-12		331
792	Building a new conceptual framework for receptor heteromers. *Nature Chemical Biology*, **2009**, 5, 131-4	11.7	313
791	Direct chemical stimulation of dopaminergic mechanisms in the neostriatum of the rat. *Brain Research*, **1969**, 14, 461-71	3.7	308
790	Synergistic interaction between adenosine A2A and glutamate mGlu5 receptors: implications for striatal neuronal function. *Proceedings of the National Academy of Sciences of the United States of America*, **2002**, 99, 11940-5	11.5	299
789	CELLULAR LOCALIZATION OF MONOAMINES IN THE MEDIAN EMINENCE AND THE INFUNDIBULAR STEM OF SOME MAMMALS. *Cell and Tissue Research*, **1964**, 61, 710-24	4.2	299
788	Molecular mechanisms and therapeutical implications of intramembrane receptor/receptor interactions among heptahelical receptors with examples from the striatopallidal GABA neurons. *Pharmacological Reviews*, **2003**, 55, 509-50	22.5	280
787	Distribution of noradrenaline nerve terminals in cortical areas of the rat. *Brain Research*, **1968**, 8, 125-31	3.7	279
786	Central administration of neuropeptide Y induces hypotension bradypnea and EEG synchronization in the rat. *Acta Physiologica Scandinavica*, **1983**, 118, 189-92		271
785	Morphological and Functional Aspects of Central Monoamine Neurons. *International Review of Neurobiology*, **1970**, 93-126	4.4	270
784	Further mapping out of central noradrenaline neuron systems: projections of the "subcoeruleus" area. *Brain Research*, **1972**, 43, 289-95	3.7	242
783	Detection of heteromerization of more than two proteins by sequential BRET-FRET. *Nature Methods*, **2008**, 5, 727-33	21.6	241
782	Integrated events in central dopamine transmission as analyzed at multiple levels. Evidence for intramembrane adenosine A2A/dopamine D2 and adenosine A1/dopamine D1 receptor interactions in the basal ganglia. *Brain Research Reviews*, **1998**, 26, 258-73		238
781	Minor tranquillizers, stress and central catecholamine neurons. *Brain Research*, **1971**, 29, 1-16	3.7	238
780	Distribution of neuropeptide immunoreactive nerve terminals within the subnuclei of the nucleus of the tractus solitarius of the rat. *Journal of Comparative Neurology*, **1984**, 222, 409-44	3.4	227
779	Cerebellar monoamine nerve terminals, a new type of afferent fibers to the cortex cerebelli. *Experimental Brain Research*, **1969**, 9, 63-72	2.3	217

778	Neurotensin in vitro markedly reduces the affinity in subcortical limbic 3H-N-propylnorapomorphine binding sites. *Acta Physiologica Scandinavica*, **1983**, 119, 459-61		212
777	Evidence for adrenaline neurons in the rat brain. *Acta Physiologica Scandinavica*, **1973**, 89, 286-8		207
776	The discovery of central monoamine neurons gave volume transmission to the wired brain. *Progress in Neurobiology*, **2010**, 90, 82-100	10.9	204
775	FURTHER EVIDENCE FOR THE PRESENCE OF NIGRO-NEOSTRIATAL DOPAMINE NEURONS IN THE RAT. *American Journal of Anatomy*, **1965**, 116, 329-33		201
774	Adenosine receptor-dopamine receptor interactions in the basal ganglia and their relevance for brain function. *Physiology and Behavior*, **2007**, 92, 210-7	3.5	200
773	Understanding wiring and volume transmission. *Brain Research Reviews*, **2010**, 64, 137-59		196
772	The emergence of the volume transmission concept. *Brain Research Reviews*, **1998**, 26, 136-47		191
771	Immunohistochemical localization of three catecholamine synthesizing enzymes: aspects on methodology. *Histochemie Histochemistry Histochimie*, **1973**, 33, 231-54		190
770	From the Golgi-Cajal mapping to the transmitter-based characterization of the neuronal networks leading to two modes of brain communication: wiring and volume transmission. *Brain Research Reviews*, **2007**, 55, 17-54		189
769	Adenosine A2A and dopamine D2 heteromeric receptor complexes and their function. *Journal of Molecular Neuroscience*, **2005**, 26, 209-20	3.3	187
768	Effects of tyrosine hydroxylase inhibition on the amine levels of central monoamine neurons. *Life Sciences*, **1966**, 5, 561-568	6.8	186
767	Central nicotinic receptors, neurotrophic factors and neuroprotection. *Behavioural Brain Research*, **2000**, 113, 21-34	3.4	185
766	Rat medulla oblongata. III. Adrenergic (C1 and C2) neurons, nerve fibers and presumptive terminal processes. *Journal of Comparative Neurology*, **1985**, 233, 333-49	3.4	182
765	Combining mass spectrometry and pull-down techniques for the study of receptor heteromerization. Direct epitope-epitope electrostatic interactions between adenosine A2A and dopamine D2 receptors. *Analytical Chemistry*, **2004**, 76, 5354-63	7.8	181
764	Cholecystokinin peptides produce marked reduction of dopamine turnover in discrete areas in the rat brain following intraventricular injection. *European Journal of Pharmacology*, **1980**, 67, 329-31	5.3	181
763	The effect of immobilization stress on the activity of central monoamine neurons. *Life Sciences*, **1968**, 7, 107-12	6.8	181
762	Role of dopamine receptor mechanisms in the amygdaloid modulation of fear and anxiety: Structural and functional analysis. *Progress in Neurobiology*, **2010**, 90, 198-216	10.9	176
761	Prominent expression of acidic fibroblast growth factor in motor and sensory neurons. *Neuron*, **1991**, 7, 349-64	13.9	175

760	Identification of dopamine D1-D3 receptor heteromers. Indications for a role of synergistic D1-D3 receptor interactions in the striatum. *Journal of Biological Chemistry*, **2008**, 283, 26016-25	5.4	174
759	The effect of imipramine on central 5-hydroxytryptamine neurons. *Journal of Pharmacy and Pharmacology*, **1968**, 20, 150-1	4.8	168
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757	Involvement of adenosine A1 and A2A receptors in the motor effects of caffeine after its acute and chronic administration. *Neuropsychopharmacology*, **2003**, 28, 1281-91	8.7	158
756	Noradrenaline nerve terminals in the hippocampal region of the rat and the guinea pig. *Cell and Tissue Research*, **1967**, 78, 463-73	4.2	158
755	Cardiovascular effects of morphine and opioid peptides following intracisternal administration in chloralose-anesthetized rats. *European Journal of Pharmacology*, **1978**, 48, 319-24	5.3	157
754	ET495 and brain catecholamine mechanisms: evidence for stimulation of dopamine receptors. *European Journal of Pharmacology*, **1972**, 20, 195-204	5.3	157
753	Neuropeptide Y in vitro selectivity increases the number of alpha 2-adrenergic binding sites in membranes of the medulla oblongata of the rat. *Acta Physiologica Scandinavica*, **1983**, 118, 293-5		155
752	Further evidence for the existence of tubero-infundibular dopamine neurons. *Acta Physiologica Scandinavica*, **1966**, 66, 245-6		155
751	Modulation by cholecystokinins of 3H-spiroperidol binding in rat striatum: evidence for increased affinity and reduction in the number of binding sites. *Acta Physiologica Scandinavica*, **1981**, 113, 567-9		154
750	Pharmaco-histochemical evidence of the existence of dopamine nerve terminals in the limbic cortex. *European Journal of Pharmacology*, **1974**, 25, 108-12	5.3	154
749	Histochemical studies on the effect of (positive)-amphetamine, drugs of the imipramine group and tryptamine on central catecholamine and 5-hydroxytryptamine neurons after intraventricular injection of catecholamines and 5-hydroxytryptamine. *European Journal of Pharmacology*, **1968**, 4, 135-44	5.3	150
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746	Mapping out of catecholamine and 5-hydroxytryptamine neurons innervating the telencephalon and diencephalon. *Life Sciences*, **1965**, 4, 1275-9	6.8	145
745	Antagonistic cannabinoid CB1/dopamine D2 receptor interactions in striatal CB1/D2 heteromers. A combined neurochemical and behavioral analysis. *Neuropharmacology*, **2008**, 54, 815-23	5.5	139
744	Cellular localization of monoamines in the upper brain stem of the pigeon. *Journal of Comparative Neurology*, **1965**, 125, 355-81	3.4	139
743	Gangliosides increase the survival of lesioned nigral dopamine neurons and favour the recovery of dopaminergic synaptic function in striatum of rats by collateral sprouting. *Acta Physiologica Scandinavica*, **1983**, 119, 347-63		138

742	Behavioral effects of 5, 7-dihydroxytryptamine lesions of ascending 5-hydroxytryptamine pathways. *Brain Research*, **1976**, 107, 385-99	3.7	137
741	Behavioral, biochemical, and histochemical analyses of the central effects of monoamine precursors after peripheral decarboxylase inhibition. *Brain Research*, **1972**, 41, 387-411	3.7	137
740	Further studies on the effects of central administration of neuropeptide Y on neuroendocrine function in the male rat: relationship to hypothalamic catecholamines. *Regulatory Peptides*, **1987**, 17, 167-79		136
739	Direct involvement of sigma-1 receptors in the dopamine D1 receptor-mediated effects of cocaine. *Proceedings of the National Academy of Sciences of the United States of America*, **2010**, 107, 18676-81	11.5	135
738	A METHOD FOR THE DEMONSTRATION OF MONOAMINE-CONTAINING NERVE FIBRES IN THE CENTRAL NERVOUS SYSTEM. *Acta Physiologica Scandinavica*, **1964**, 60, 293-4		134
737	Barbiturates and meprobamate: decreases in cathecholamine turnover of central dopamine and noradrenaline neuronal systems and the influence of immobilization stress. *Brain Research*, **1972**, 45, 507-24	3.7	133
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735	Interaction between cholinergic and catecholaminergic neurones in rat brain. *Brain Research*, **1972**, 43, 397-416	3.7	131
734	Effect of prostaglandin E 2 on central and peripheral catecholamine neurons. *European Journal of Pharmacology*, **1973**, 21, 362-8	5.3	129
733	DL-5-hydroxytryptophan-induced changes in central monoamine neurons after peripheral decarboxylase inhibition. *Journal of Pharmacy and Pharmacology*, **1971**, 23, 420-4	4.8	127
732	Histochemical studies on the distribution of catecholamines and 5-hydroxytryptamine after intraventricular injections. *Histochemie Histochemistry Histochimie*, **1968**, 13, 16-28		127
731	Cellular localization of monoamines in the area postrema of certain mammals. *Journal of Comparative Neurology*, **1965**, 125, 337-53	3.4	126
730	The effect of neuroleptics on the activity of central catecholamine neurones. *Life Sciences*, **1967**, 6, 767-74	6.8	126
729	Adenosine A(2A) receptors, dopamine D(2) receptors and their interactions in Parkinson's disease. *Movement Disorders*, **2007**, 22, 1990-2017	7	125
728	Receptor-receptor interactions in the central nervous system. A new integrative mechanism in synapses. *Medicinal Research Reviews*, **1985**, 5, 441-82	14.4	124
727	Adenosine A2A agonists: a potential new type of atypical antipsychotic. *Neuropsychopharmacology*, **1997**, 17, 82-91	8.7	123
726	Homodimerization of adenosine A2A receptors: qualitative and quantitative assessment by fluorescence and bioluminescence energy transfer. *Journal of Neurochemistry*, **2004**, 88, 726-34	6	123
725	Adenosine A2A-dopamine D2 receptor-receptor heteromers. Targets for neuro-psychiatric disorders. *Parkinsonism and Related Disorders*, **2004**, 10, 265-71	3.6	122

724	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
723	Perforant path transections protect hippocampal granule cells from kainate lesion. *Neuroscience Letters*, **1978**, 10, 241-6	3.3	121
722	Evidence for adenosine/dopamine receptor interactions: indications for heteromerization. *Neuropsychopharmacology*, **2000**, 23, S50-9	8.7	120
721	Immunohistochemical studies on monoamine-containing cell systems. *Brain Research*, **1973**, 62, 461-9	3.7	120
720	SITE OF ACTION OF RESERPINE. *Acta Pharmacologica Et Toxicologica*, **1965**, 22, 277-92		119
719	On the catecholamine innervation of the hypothalamus, with special reference to the median eminence. *Brain Research*, **1972**, 40, 271-81	3.7	119
718	The effect of some psychoactive drugs on central monoamine neurons. *European Journal of Pharmacology*, **1967**, 1, 363-8	5.3	119
717	Postsynaptic antagonistic interaction between adenosine A1 and dopamine D1 receptors. *NeuroReport*, **1994**, 6, 73-6	1.7	118
716	The effect of lithium on cerebral monoamine neurons. *Psychopharmacology*, **1967**, 11, 345-53	4.7	118
715	Receptor-receptor interactions as an integrative mechanism in nerve cells. *Molecular Neurobiology*, **1993**, 7, 293-334	6.2	117
714	The vigilance promoting drug modafinil increases extracellular glutamate levels in the medial preoptic area and the posterior hypothalamus of the conscious rat: prevention by local GABAA receptor blockade. *Neuropsychopharmacology*, **1999**, 20, 346-56	8.7	116
713	Depletion of catecholamines in vivo induced by electrical stimulation of central monoamine pathways. *Brain Research*, **1970**, 24, 471-83	3.7	116
712	The selective mGlu(5) receptor agonist CHPG inhibits quinpirole-induced turning in 6-hydroxydopamine-lesioned rats and modulates the binding characteristics of dopamine D(2) receptors in the rat striatum: interactions with adenosine A(2a) receptors. *Neuropsychopharmacology*, **2001**, 25, 505-13	8.7	115
711	Effects of 5-methoxy-N,N-dimethyltryptamine on central monoamine neurons. *European Journal of Pharmacology*, **1972**, 19, 25-34	5.3	113
710	CELLULAR LOCALIZATION OF MONOAMINES IN THE MEDIAN EMINENCE AND IN THE INFUNDIBULAR STEM OF SOME MAMMALS. *Acta Physiologica Scandinavica*, **1963**, 58, 383-4		113
709	Modafinil: an antinarcoleptic drug with a different neurochemical profile to d-amphetamine and dopamine uptake blockers. *Biological Psychiatry*, **1997**, 42, 1181-3	7.9	112
708	Rotational behaviour in rats with unilateral striatal kainic acid lesions: a behavioural model for studies on intact dopamine receptors. *Brain Research*, **1979**, 170, 485-95	3.7	111
707	Selective reserpine-resistant accumulation of catecholamines in central dopamine neurones after DOPA administration. *Brain Research*, **1974**, 67, 439-56	3.7	111

706	Metabotropic glutamate mGlu5 receptor-mediated modulation of the ventral striopallidal GABA pathway in rats. Interactions with adenosine A(2A) and dopamine D(2) receptors. *Neuroscience Letters*, **2002**, 324, 154-8	3.3	110
705	Increased impulse flow in bulbospinal noradrenaline neurons produced by catecholamine receptor blocking agents. *European Journal of Pharmacology*, **1967**, 2, 59-64	5.3	108
704	Reciprocal interactions between adenosine A2A and dopamine D2 receptors in Chinese hamster ovary cells co-transfected with the two receptors. *Biochemical Pharmacology*, **1999**, 58, 1035-45	6	107
703	The vigilance promoting drug modafinil increases dopamine release in the rat nucleus accumbens via the involvement of a local GABAergic mechanism. *European Journal of Pharmacology*, **1996**, 306, 33-9	5.3	107
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701	Demonstration of extraneuronal 5-hydroxytryptamine accumulation in brain following membrane-pump blockade by chlorimipramine. *Brain Research*, **1969**, 12, 456-60	3.7	106
700	The G protein-coupled receptor heterodimer network (GPCR-HetNet) and its hub components. *International Journal of Molecular Sciences*, **2014**, 15, 8570-90	6.3	103
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698	The effects of modafinil on striatal, pallidal and nigral GABA and glutamate release in the conscious rat: evidence for a preferential inhibition of striato-pallidal GABA transmission. *Neuroscience Letters* , **1998**, 253, 135-8	3.3	102
697	Adenosine/dopamine interaction: implications for the treatment of Parkinson's disease. *Parkinsonism and Related Disorders*, **2001**, 7, 235-241	3.6	102
696	Adenosine A2A receptor and dopamine D3 receptor interactions: evidence of functional A2A/D3 heteromeric complexes. *Molecular Pharmacology*, **2005**, 67, 400-7	4.3	101
695	Organization of choroid plexus epithelial and endothelial cell tight junctions and regulation of claudin-1, -2 and -5 expression by protein kinase C. *NeuroReport*, **2000**, 11, 1427-31	1.7	100
694	Stimulation of adenosine A2 receptors induces catalepsy. *Neuroscience Letters*, **1991**, 130, 162-4	3.3	99
693	Neurotransmitter receptor heteromers and their integrative role in 'local modules': the striatal spine module. *Brain Research Reviews*, **2007**, 55, 55-67		98
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691	A possible role played by central monoamine neurones in thermo-regulation. *Acta Physiologica Scandinavica*, **1967**, 71, 224-32		98
690	Alterations in neuropeptide Y levels and Y1 binding sites in the Flinders Sensitive Line rats, a genetic animal model of depression. *Neuroscience Letters*, **1999**, 265, 191-4	3.3	97
689	Alterations in neuropeptide Y and Y1 receptor mRNA expression in brains from an animal model of depression: region specific adaptation after fluoxetine treatment. *Molecular Brain Research*, **1998**, 59, 58-65		96

688	Dopamine denervation leads to an increase in the intramembrane interaction between adenosine A2 and dopamine D2 receptors in the neostriatum. *Brain Research*, **1992**, 594, 124-30	3.7	96
687	Dopamine and noradrenaline releasing action of amantadine in the central and peripheral nervous system: a possible mode of action in Parkinson's disease. *European Journal of Pharmacology*, **1971**, 16, 27-38	5.3	95
686	The antinarcoleptic drug modafinil increases glutamate release in thalamic areas and hippocampus. *NeuroReport*, **1997**, 8, 2883-7	1.7	94
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684	The vigilance promoting drug modafinil decreases GABA release in the medial preoptic area and in the posterior hypothalamus of the awake rat: possible involvement of the serotonergic 5-HT3 receptor. *Neuroscience Letters*, **1996**, 220, 5-8	3.3	94
683	Colocalization of peptide and glucocorticoid receptor immunoreactivities in rat central amygdaloid nucleus. *Neuroendocrinology*, **1992**, 55, 451-9	5.6	93
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680	Inhibitory role of dopamine and 5-hydroxytryptamine in the sexual behaviour of female rats. *European Journal of Pharmacology*, **1974**, 29, 187-91	5.3	91
679	Studies on the action of some psychoactive drugs on central noradrenaline neurons after inhibition of dopamine-beta-hydroxylase. *Brain Research*, **1970**, 24, 451-70	3.7	91
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673	Localization of indolealkylamines in CNS. *Advances in Pharmacology*, **1968**, 6, 235-51	5.7	87
672	The renin-angiotensin system in the brain: an update 1993. *Regulatory Peptides*, **1993**, 46, 487-509		86
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668	Adenosine A1 receptor-mediated modulation of dopamine D1 receptors in stably cotransfected fibroblast cells. *Journal of Biological Chemistry*, **1998**, 273, 4718-24	5.4	84
667	On the mechanism of action of the antidepressant drugs amitriptyline and nortriptyline. Evidence for 5-hydroxytryptamine receptor blocking activity. *Neuroscience Letters*, **1977**, 6, 339-43	3.3	83
666	The effect of prolonged lithium administration on cerebral monoamine neurons in the rat. *Life Sciences*, **1969**, 8, 643-51	6.8	83
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664	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
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662	Evidence for specific N-terminal galanin fragment binding sites in the rat brain. *European Journal of Pharmacology*, **1992**, 224, 203-5	5.3	81
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