Isabelle Lihrmann

List of Publications by Year
in descending order

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91 papers	3,121 citations	126907 33 h-index	168389 53 g-index
93 all docs	93 docs citations	93 times ranked	1766 citing authors

#	Article	IF	Citations
1	The SELENOT mimetic PSELT promotes nerve regeneration by increasing axonal myelination in a facial nerve injury model in female rats. Journal of Neuroscience Research, 2022, 100, 1721-1731.	2.9	3
2	Emerging roles of ER-resident selenoproteins in brain physiology and physiopathology. Redox Biology, 2022, 55, 102412.	9.0	16
3	Selenoprotein T: An Essential Oxidoreductase Serving as a Guardian of Endoplasmic Reticulum Homeostasis. Antioxidants and Redox Signaling, 2020, 33, 1257-1275.	5.4	34
4	AMPK Activation of PGC-1Î±/NRF-1-Dependent SELENOT Gene Transcription Promotes PACAP-Induced Neuroendocrine Cell Differentiation Through Tolerance to Oxidative Stress. Molecular Neurobiology, 2019, 56, 4086-4101.	4.0	23
5	Selenoprotein T is a key player in ER proteostasis, endocrine homeostasis and neuroprotection. Free Radical Biology and Medicine, 2018, 127, 145-152.	2.9	46
6	Selenoprotein T is a novel OST subunit that regulates UPR signaling and hormone secretion. EMBO Reports, 2017, 18, 1935-1946.	4.5	48
7	Selenoprotein T Exerts an Essential Oxidoreductase Activity That Protects Dopaminergic Neurons in Mouse Models of Parkinson's Disease. Antioxidants and Redox Signaling, 2016, 24, 557-574.	5.4	91
8	PACAP Signaling in Neuroprotection. Current Topics in Neurotoxicity, 2016, , 549-561.	0.4	5
9	Selenoprotein T: From Discovery to Functional Studies Using Conditional Knockout Mice. , 2016, , 275-286.		3
10	Comparative Distribution and In Vitro Activities of the Urotensin II-Related Peptides URP1 and URP2 in Zebrafish: Evidence for Their Colocalization in Spinal Cerebrospinal Fluid-Contacting Neurons. PLoS ONE, 2015, 10, e0119290.	2.5	45
11	Concordant localization of functional urotensin II and urotensin IIâ€related peptide binding sites in the rat brain: Atypical occurrence close to the fourth ventricle. Journal of Comparative Neurology, 2014, 522, 2634-2649.	1.6	3
12	MOLECULAR EVOLUTION OF GPCRS: Somatostatin/urotensin II receptors. Journal of Molecular Endocrinology, 2014, 52, T61-T86.	2.5	54
13	Impact of gene/genome duplications on the evolution of the urotensin II and somatostatin families. General and Comparative Endocrinology, 2013, 188, 110-117.	1.8	31
14	Pituitary Adenylate Cyclase-activating Polypeptide (PACAP) Promotes Both Survival and Neuritogenesis in PC12 Cells through Activation of Nuclear Factor ÎºB (NF-ÎºB) Pathway. Journal of Biological Chemistry, 2013, 288, 14936-14948.	3.4	19
15	The PACAP-Regulated Gene Selenoprotein T Is Abundantly Expressed in Mouse and Human Î²-Cells and Its Targeted Inactivation Impairs Glucose Tolerance. Endocrinology, 2013, 154, 3796-3806.	2.8	62
16	Urotensin II Peptides. , 2013, , 957-965.		1
17	Selenoprotein T. Advanced Topics in Science and Technology in China, 2011, , 89-95.	0.1	1
18	Occurrence of Two Distinct Urotensin II-Related Peptides in Zebrafish Provides New Insight into the Evolutionary History of the Urotensin II Gene Family. Endocrinology, 2011, 152, 2330-2341.	2.8	35

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19	The PACAP-Regulated Gene Selenoprotein T Is Highly Induced in Nervous, Endocrine, and Metabolic Tissues during Ontogenetic and Regenerative Processes. Endocrinology, 2011, 152, 4322-4335.	2.8	50
20	Granins and their derived peptides in normal and tumoral chromaffin tissue: Implications for the diagnosis and prognosis of pheochromocytoma. Regulatory Peptides, 2010, 165, 21-29.	1.9	26
21	Metoclopramide stimulates catecholamine- and granin-derived peptide secretion from pheochromocytoma cells through activation of serotonin type 4 (5-HT4) receptors. Endocrine-Related Cancer, 2009, 16, 281-290.	3.1	24
22	Kennedy Syndrome. , 2009, , 1116-1116.		0
23	Characterization of urotensin II, distribution of urotensin II, urotensin IIâ€related peptide and UT receptor mRNAs in mouse: evidence of urotensin II at the neuromuscular junction. Journal of Neurochemistry, 2008, 107, 361-374.	3.9	40
24	Comparative distribution of the mRNAs encoding urotensin I and urotensin II in zebrafish. Peptides, 2008, 29, 820-829.	2.4	30
25	New insight into the molecular evolution of the somatostatin family. Molecular and Cellular Endocrinology, 2008, 286, 5-17.	3.2	66
26	Structureâ^'Activity Relationships of a Novel Series of Urotensin II Analogues:â€‰ Identification of a Urotensin II Antagonist. Journal of Medicinal Chemistry, 2006, 49, 7234-7238.	6.4	30
27	Urotensin II and Urotensin IIâ€"Related Peptide. , 2006, , 795-803.		2
28	Biochemical and functional characterization of high-affinity urotensinâ€ƒII receptors in rat cortical astrocytes. Journal of Neurochemistry, 2006, 99, 582-595.	3.9	50
29	Localization of the urotensin II receptor in the rat central nervous system. Journal of Comparative Neurology, 2006, 495, 21-36.	1.6	60
30	Localization and characterization of pituitary adenylate cyclase-activating polypeptide receptors in the human cerebellum during development. Journal of Comparative Neurology, 2006, 496, 468-478.	1.6	32
31	Comparative genomics provides evidence for close evolutionary relationships between the urotensin II and somatostatin gene families. Proceedings of the National Academy of Sciences of the United States of America, 2006, 103, 2237-2242.	7.1	87
32	Expression of Proopiomelanocortin and Its Cleavage Enzyme Genes inRana esculentaandXenopus laevisGonads. Annals of the New York Academy of Sciences, 2005, 1040, 261-263.	3.8	0
33	Linkage Mapping of the [Pro2]Somatostatin-14 Gene in Zebrafish: Evolutionary Perspectives. Annals of the New York Academy of Sciences, 2005, 1040, 486-489.	3.8	3
34	Expression profile of serotonin4 (5-HT4) receptors in adrenocortical aldosterone-producing adenomas. European Journal of Endocrinology, 2005, 153, 939-947.	3.7	50
35	Androgenic down-regulation of urotensin II precursor, urotensin II-related peptide precursor and androgen receptor mRNA in the mouse spinal cord. Neuroscience, 2005, 132, 689-696.	2.3	38
36	Chromosomal localization of three somatostatin genes in zebrafish. Evidence that the [Pro2]-somatostatin-14 isoform and cortistatin are encoded by orthologous genes. Journal of Molecular Endocrinology, 2004, 33, R1-R8.	2.5	28

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37	Paradoxical Inhibitory Effect of Serotonin on Cortisol Production from Adrenocortical Lesions Causing Cushing's Syndrome. Endocrine Research, 2004, 30, 951-954.	1.2	12
38	Structureâ€“activity relationships and structural conformation of a novel urotensin II-related peptide. Peptides, 2004, 25, 1819-1830.	2.4	95
39	Molecular Evolution of Somatostatin Genes. , 2004, , 47-64.		6
40	Characterization of the cDNA encoding a somatostatin variant in the chicken brain: Comparison of the distribution of the two somatostatin precursor mRNAs. Journal of Comparative Neurology, 2003, 461, 441-451.	1.6	35
41	Overexpression of Serotonin4 Receptors in Cisapride-Responsive Adrenocorticotropin-Independent Bilateral Macronodular Adrenal Hyperplasia Causing Cushingâ€™s Syndrome. Journal of Clinical Endocrinology and Metabolism, 2003, 88, 248-254.	3.6	75
42	Characterization of Serotonin4Receptors in Adrenocortical Aldosterone-Producing Adenomas:In Vivoandin VitroStudies. Journal of Clinical Endocrinology and Metabolism, 2002, 87, 1211-1216.	3.6	40
43	Expression and Processing of the [Pro2,Met13]Somatostatin-14 Precursor in the Intermediate Lobe of the Frog Pituitary. Endocrinology, 2002, 143, 3472-3481.	2.8	12
44	Role of androgens in the regulation of urotensin II precursor mRNA expression in the rat brainstem and spinal cord. Neuroscience, 2002, 115, 525-532.	2.3	42
45	Polygenic expression of somatostatin in the sturgeonAcipenser transmontanus: Molecular cloning and distribution of the mRNAs encoding two somatostatin precursors. Journal of Comparative Neurology, 2002, 443, 332-345.	1.6	37
46	Neuropeptide Y Inhibits Spontaneous Â-Melanocyte-Stimulating Hormone (Â-MSH) Release via a Y5 Receptor and Suppresses Thyrotropin-Releasing Hormone-Induced Â-MSH Secretion via a Y1 Receptor in Frog Melanotrope Cells. Endocrinology, 2002, 143, 1686-1694.	2.8	9
47	Characterization of Serotonin4 Receptors in Adrenocortical Aldosterone-Producing Adenomas: In Vivo and in Vitro Studies. Journal of Clinical Endocrinology and Metabolism, 2002, 87, 1211-1216.	3.6	7
48	Specific expression of the urotensin II gene in sacral motoneurons of developing rat spinal cord. Mechanisms of Development, 2001, 101, 187-190.	1.7	34
49	Evaluation of ovarian POMC mRNA through quantitative RT-PCR analysis inRana esculenta. American Journal of Physiology - Cell Physiology, 2001, 280, C1038-C1044.	4.6	4
50	In the African Lungfish Met-Enkephalin and Leu-Enkephalin Are Derived from Separate Genes: Cloning of a Proenkephalin cDNA. Neuroendocrinology, 2000, 72, 224-230.	2.5	19
51	Comparative distribution of pituitary adenylate cyclase-activating polypeptide (PACAP) binding sites and PACAP receptor mRNAs in the rat brain during development. Journal of Comparative Neurology, 2000, 425, 495-509.	1.6	101
52	Effect of Serotonin4(5-HT4) Receptor Agonists on Aldosterone Secretion in Idiopathic Hyperaldosteronism. Endocrine Research, 2000, 26, 583-587.	1.2	14
53	Distribution of PACAP Receptor mRNAs and PACAP Binding Sites in the Rat Brain During Development. Annals of the New York Academy of Sciences, 2000, 921, 304-307.	3.8	9
54	Comparative distribution of pituitary adenylate cyclaseâ€activating polypeptide (PACAP) binding sites and PACAP receptor mRNAs in the rat brain during development. Journal of Comparative Neurology, 2000, 425, 495-509.	1.6	7

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55	Deux neuropeptides orphelins trouvent enfin leur rÃ©cepteur.. Medecine/Sciences, 2000, 16, 426.	0.2	3
56	Pharmacological and Molecular Characterization of 5-Hydroxytryptamine₇Receptors in the Rat Adrenal Gland. Molecular Pharmacology, 1999, 56, 552-561.	2.3	40
57	Cloning of Proopiomelanocortin from the Brain of the African Lungfish, Protopterus annectens, and the Brain of the Western Spadefoot Toad, Spea multiplicatus. Neuroendocrinology, 1999, 70, 43-54.	2.5	39
58	Molecular cloning of the cDNAs and distribution of the mRNAs encoding two somatostatin precursors in the African lungfishProtopterus annectens. , 1999, 410, 643-652.		41
59	Cloning, sequence analysis and tissue distribution of the mouse and rat urotensin II precursors. FEBS Letters, 1999, 457, 28-32.	2.8	168
60	L'urotensine II : de l'urophyse des poissons aux motoneurones humains.. Medecine/Sciences, 1999, 15, 709.	0.2	0
61	Proopiomelanocortin Gene Expression in the Ovary of the Frog, Rana esculentaa. Annals of the New York Academy of Sciences, 1998, 839, 265-269.	3.8	2
62	A Second Somatostatin Gene is Expressed in the Brain of the Frog Rana ridibunda. Annals of the New York Academy of Sciences, 1998, 839, 496-497.	3.8	3
63	Cloning of the cDNA encoding the urotensin II precursor in frog and human reveals intense expression of the urotensin II gene in motoneurons of the spinal cord. Proceedings of the National Academy of Sciences of the United States of America, 1998, 95, 15803-15808.	7.1	388
64	Two Frog Melanotrope Cell Subpopulations Exhibiting Distinct Biochemical and Physiological Patterns in Basal Conditions and under Thyrotropin-Releasing Hormone Stimulation*. Endocrinology, 1997, 138, 970-977.	2.8	25
65	Two Frog Melanotrope Cell Subpopulations Exhibiting Distinct Biochemical and Physiological Patterns in Basal Conditions and under Thyrotropin-Releasing Hormone Stimulation. Endocrinology, 1997, 138, 970-977.	2.8	7
66	Molecular cloning of frog secretogranin II reveals the occurrence of several highly conserved potential regulatory peptides. FEBS Letters, 1996, 394, 295-299.	2.8	48
67	Occurrence of two somatostatin variants in the frog brain: characterization of the cDNAs, distribution of the mRNAs, and receptor-binding affinities of the peptides.. Proceedings of the National Academy of Sciences of the United States of America, 1996, 93, 12605-12610.	7.1	91
68	Localization of diazepam-binding inhibitor-related peptides and peripheral type benzodiazepine receptors in the frog adrenal gland. Cell and Tissue Research, 1996, 283, 403-412.	2.9	36
69	Un deuxiÃ¨me gÃ¨ne codant pour la somatostatine est exprimÃ© dans le cerveau. Medecine/Sciences, 1996, 12, 1131.	0.2	1
70	Occurrence of an Ovarian Opioid System in Oviparous Vertebrates: Proopiomelanocortin mRna Expression in the Ovary of the Green Water Frog, Rana Esculenta. Animal Biology, 1994, 45, 163-165.	0.4	3
71	Frog diazepam-binding inhibitor: peptide sequence, cDNA cloning, and expression in the brain.. Proceedings of the National Academy of Sciences of the United States of America, 1994, 91, 6899-6903.	7.1	56
72	Developmental stage-specific regulation of atrial natriuretic factor gene transcription in cardiac cells.. Molecular and Cellular Biology, 1994, 14, 777-790.	2.3	107

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73	Characterization of the cDNA encoding proopiomelanocortin in the frog Rana ridibunda. Biochemical and Biophysical Research Communications, 1990, 173, 653-659.	2.1	68
74	Le Lobe Intermediaire de l'hypophyse, ModÃ©le de Communication Neuroendocrinienne. Archives Internationales De Physiologie Et De Biochimie, 1989, 97, A227-A254.	0.2	0
75	Effect of atrial natriuretic factor on corticosteroid production by perifused frog interrenal slices. General and Comparative Endocrinology, 1988, 71, 55-62.	1.8	31
76	In vitro study of frog adrenal functionâ€"IX. evidence against the involvement of lipoxygenase metabolites in the control of steroid production. The Journal of Steroid Biochemistry, 1988, 30, 461-464.	1.1	2
77	Serotonin stimulates corticosteroid secretion by frog adrenocortical tissue in vitro. The Journal of Steroid Biochemistry, 1988, 29, 519-525.	1.1	46
78	Distribution of atrial natriuretic factor-like immunoreactivity in the brain of the frog Rana ridibunda. Canadian Journal of Physiology and Pharmacology, 1988, 66, 262-269.	1.4	3
79	Formation of 11Î²-hydroxysteroids requires the integrity of the microfilament network in adrenocortical cells. Biochemical and Biophysical Research Communications, 1987, 148, 1354-1362.	2.1	7
80	Effects of TMB-8 and dantrolene on ACTH- and angiotensin-induced steroidogenesis by frog interrenal gland: Evidence for a role of intracellular calcium in angiotensin action. Cell Calcium, 1987, 8, 269-282.	2.4	12
81	Development of a simplified perifusion system of rat zona glomerulosa. Effect of cytochalasin B on spontaneous and ACTH-stimulated corticosteroidogenesis. The Journal of Steroid Biochemistry, 1986, 24, 331-334.	1.1	7
82	Involvement of cycloheximide-sensitive mediators in the steroidogenic action of adrenocorticotropin and angiotensin II. The Journal of Steroid Biochemistry, 1986, 25, 59-64.	1.1	0
83	Effect of vinblastine, a potent antimicrotubular agent on steroid secretion by perifused frog adrenal glands. The Journal of Steroid Biochemistry, 1986, 25, 143-147.	1.1	12
84	Role of calcium in stimulus-secretion coupling on isolated frog interrenal gland. The Journal of Steroid Biochemistry, 1986, 24, 731-738.	1.1	7
85	Involvement of prostaglandins in the response of frog adrenocortical cells to muscarinic receptor activation. Prostaglandins, 1986, 32, 87-91.	1.2	13
86	Role of prostaglandins in calcium-induced corticosteroid secretion by isolated frog interrenal gland. Prostaglandins, 1986, 32, 127-131.	1.2	6
87	In vitro study of frog (Rana ridibunda pallas) interrenal function by use of a simplified perifusion system VIII. Structure-activity relationship of synthetic ACTH fragments and Î³-MSH. General and Comparative Endocrinology, 1986, 61, 187-196.	1.8	15
88	Effect of calcium on corticosteroid secretion by isolated frog interrenal gland. The Journal of Steroid Biochemistry, 1985, 23, 169-175.	1.1	14
89	Role of Exogenous and Endogenous Prostaglandins in Steroidogenesis by Isolated Frog Interrenal Gland: Evidence for Dissociation in Adrenocorticotropin and Angiotensin Action*. Endocrinology, 1984, 115, 1765-1773.	2.8	50
90	Action of vasoactive intestinal peptide (VIP) on amphibian adrenocortical function, in vitro. Peptides, 1984, 5, 299-303.	2.4	31

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91	Lack of effect of dexamethasone on corticosteroid production in the amphibian. The Journal of Steroid Biochemistry, 1984, 21, 727-731.	1.1	7