

Laurent Taupenot

List of Publications by Citations

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The third column is the impact factor (IF) of the journal, and the fourth column is the number of citations of the article.

63

papers

2,662

citations

28

h-index

51

g-index

64

ext. papers

2,882

ext. citations

7.2

avg, IF

4.33

L-index

#	Paper	IF	Citations
63	The chromogranin-secretogranin family. <i>New England Journal of Medicine</i> , 2003 , 348, 1134-49	59.2	680
62	Processing of chromogranin B in bovine adrenal medulla. Identification of secretolytin, the endogenous C-terminal fragment of residues 614-626 with antibacterial activity. <i>FEBS Journal</i> , 1995 , 229, 356-68		96
61	The neuroendocrine peptide catestatin is a cutaneous antimicrobial and induced in the skin after injury. <i>Journal of Investigative Dermatology</i> , 2008 , 128, 1525-34	4.3	87
60	Chromogranin A induces a neurotoxic phenotype in brain microglial cells. <i>Journal of Biological Chemistry</i> , 1998 , 273, 14339-46	5.4	76
59	Functional allelic heterogeneity and pleiotropy of a repeat polymorphism in tyrosine hydroxylase: prediction of catecholamines and response to stress in twins. <i>Physiological Genomics</i> , 2004 , 19, 277-91	3.6	75
58	Tyrosine hydroxylase, the rate-limiting enzyme in catecholamine biosynthesis: discovery of common human genetic variants governing transcription, autonomic activity, and blood pressure in vivo. <i>Circulation</i> , 2007 , 116, 993-1006	16.7	73
57	Identification of a novel sorting determinant for the regulated pathway in the secretory protein chromogranin A. <i>Journal of Cell Science</i> , 2002 , 115, 4827-41	5.3	68
56	Heritability and genome-wide linkage in US and Australian twins identify novel genomic regions controlling chromogranin a: implications for secretion and blood pressure. <i>Circulation</i> , 2008 , 118, 247-57	16.7	67
55	Pancreastatin: multiple actions on human intermediary metabolism in vivo, variation in disease, and naturally occurring functional genetic polymorphism. <i>Journal of Clinical Endocrinology and Metabolism</i> , 2005 , 90, 5414-25	5.6	66
54	Role of H ⁺ -ATPase-mediated acidification in sorting and release of the regulated secretory protein chromogranin A: evidence for a vesiculogenic function. <i>Journal of Biological Chemistry</i> , 2005 , 280, 3885-97	5.4	64
53	Bacterial endotoxin induces [Ca ²⁺] _i transients and changes the organization of actin in microglia. <i>Glia</i> , 1994 , 11, 336-44	9	63
52	Proteolytic cleavage of chromogranin A (CgA) by plasmin. Selective liberation of a specific bioactive CgA fragment that regulates catecholamine release. <i>Journal of Biological Chemistry</i> , 2001 , 276, 25022-9	5.4	61
51	Neuroendocrine nicotinic receptor activation increases susceptibility to bacterial infections by suppressing antimicrobial peptide production. <i>Cell Host and Microbe</i> , 2010 , 7, 277-289	23.4	58
50	Formation of the catecholamine release-inhibitory peptide catestatin from chromogranin A. Determination of proteolytic cleavage sites in hormone storage granules. <i>Journal of Biological Chemistry</i> , 2000 , 275, 22905-15	5.4	57
49	Time-dependent effects of the neuropeptide PACAP on catecholamine secretion: stimulation and desensitization. <i>Hypertension</i> , 1999 , 34, 1152-62	8.5	56
48	Cathepsin L colocalizes with chromogranin a in chromaffin vesicles to generate active peptides. <i>Endocrinology</i> , 2009 , 150, 3547-57	4.8	55
47	Secretory granule biogenesis in sympathoadrenal cells: identification of a granulogenic determinant in the secretory prohormone chromogranin A. <i>Journal of Biological Chemistry</i> , 2006 , 281, 38038-51	5.4	49

46	Stimulus-transcription coupling in pheochromocytoma cells. Promoter region-specific activation of chromogranin a biosynthesis. <i>Journal of Biological Chemistry</i> , 1996 , 271, 28382-90	5.4	47
45	Sorting of the neuroendocrine secretory protein Secretogranin II into the regulated secretory pathway: role of N- and C-terminal alpha-helical domains. <i>Journal of Biological Chemistry</i> , 2008 , 283, 11807-12	5.4	44
44	Human dopamine beta-hydroxylase (DBH) regulatory polymorphism that influences enzymatic activity, autonomic function, and blood pressure. <i>Journal of Hypertension</i> , 2010 , 28, 76-86	1.9	43
43	Proteolytic cleavage of human chromogranin a containing naturally occurring catestatin variants: differential processing at catestatin region by plasmin. <i>Endocrinology</i> , 2008 , 149, 749-57	4.8	42
42	Naturally occurring human genetic variation in the 3' untranslated region of the secretory protein chromogranin A is associated with autonomic blood pressure regulation and hypertension in a sex-dependent fashion. <i>Journal of the American College of Cardiology</i> , 2008 , 52, 1468-81	15.1	38
41	Mechanism of action of chromogranin A on catecholamine release: molecular modeling of the catestatin region reveals a beta-strand/loop/beta-strand structure secured by hydrophobic interactions and predictive of activity. <i>Regulatory Peptides</i> , 1998 , 77, 43-53		37
40	MicroRNA-22 and promoter motif polymorphisms at the Chga locus in genetic hypertension: functional and therapeutic implications for gene expression and the pathogenesis of hypertension. <i>Human Molecular Genetics</i> , 2013 , 22, 3624-40	5.6	35
39	Pro-hormone secretogranin II regulates dense core secretory granule biogenesis in catecholaminergic cells. <i>Journal of Biological Chemistry</i> , 2010 , 285, 10030-10043	5.4	34
38	Primary culture of bovine chromaffin cells. <i>Nature Protocols</i> , 2007 , 2, 1248-53	18.8	29
37	Catecholamine storage vesicles and the metabolic syndrome: The role of the chromogranin A fragment pancreastatin. <i>Diabetes, Obesity and Metabolism</i> , 2006 , 8, 621-33	6.7	29
36	Mass spectrometry-based neuropeptidomics of secretory vesicles from human adrenal medullary pheochromocytoma reveals novel peptide products of prohormone processing. <i>Journal of Proteome Research</i> , 2010 , 9, 5065-75	5.6	28
35	Determinants for chromogranin A sorting into the regulated secretory pathway are also sufficient to generate granule-like structures in non-endocrine cells. <i>Biochemical Journal</i> , 2009 , 418, 81-91	3.8	28
34	Primary sequence characterization of catestatin intermediates and peptides defines proteolytic cleavage sites utilized for converting chromogranin a into active catestatin secreted from neuroendocrine chromaffin cells. <i>Biochemistry</i> , 2003 , 42, 6938-46	3.2	28
33	Human tyrosine hydroxylase natural genetic variation: delineation of functional transcriptional control motifs disrupted in the proximal promoter. <i>Circulation: Cardiovascular Genetics</i> , 2010 , 3, 187-98		27
32	Recombinant human chromogranin A: expression, purification and characterization of the N-terminal derived peptides. <i>Regulatory Peptides</i> , 1995 , 56, 71-88		27
31	Chromogranin A regulates renal function by triggering Weibel-Palade body exocytosis. <i>Journal of the American Society of Nephrology: JASN</i> , 2009 , 20, 1623-32	12.7	24
30	Biogenesis of the secretory granule: chromogranin A coiled-coil structure results in unusual physical properties and suggests a mechanism for granule core condensation. <i>Biochemistry</i> , 2007 , 46, 10999-1012	3.2	23
29	Autonomic function in hypertension; role of genetic variation at the catecholamine storage vesicle protein chromogranin B. <i>Circulation: Cardiovascular Genetics</i> , 2009 , 2, 46-56		22

28	A common genetic variant in the 3'UTR of vacuolar H ⁺ -ATPase ATP6V0A1 creates a micro-RNA motif to alter chromogranin A processing and hypertension risk. <i>Circulation: Cardiovascular Genetics</i> , 2011 , 4, 381-9		22
27	Human cathepsin V protease participates in production of enkephalin and NPY neuropeptide neurotransmitters. <i>Journal of Biological Chemistry</i> , 2012 , 287, 15232-41	5.4	21
26	Interaction of the catecholamine release-inhibitory peptide catestatin (human chromogranin A(352-372)) with the chromaffin cell surface and Torpedo electroplax: implications for nicotinic cholinergic antagonism. <i>Regulatory Peptides</i> , 2000 , 95, 9-17		21
25	Common functional genetic variants in catecholamine storage vesicle protein promoter motifs interact to trigger systemic hypertension. <i>Journal of the American College of Cardiology</i> , 2010 , 55, 1463-75	15.1	20
24	Nerve growth factor-stimulated neuronal differentiation induces changes in P2 receptor expression and nucleotide-stimulated catecholamine release. <i>Journal of Neurochemistry</i> , 2007 , 100, 1257-64	6	20
23	Pleiotropic effects of novel trans-acting loci influencing human sympathochromaffin secretion. <i>Physiological Genomics</i> , 2006 , 25, 470-9	3.6	17
22	Heredity of endothelin secretion: human twin studies reveal the influence of polymorphism at the chromogranin A locus, a novel determinant of endothelial function. <i>Circulation</i> , 2007 , 115, 2282-91	16.7	16
21	The trans-Golgi proteins SCLIP and SCG10 interact with chromogranin A to regulate neuroendocrine secretion. <i>Biochemistry</i> , 2008 , 47, 7167-78	3.2	15
20	The local chromaffin cell plasminogen/plasmin system and the regulation of catecholamine secretion. <i>Annals of the New York Academy of Sciences</i> , 2002 , 971, 445-9	6.5	15
19	Adrenergic polymorphism and the human stress response. <i>Annals of the New York Academy of Sciences</i> , 2008 , 1148, 282-96	6.5	14
18	Analysis of regulated secretion using PC12 cells. <i>Current Protocols in Cell Biology</i> , 2007 , Chapter 15, Unit 15.12	2.3	14
17	The novel catecholamine release-inhibitory peptide catestatin (chromogranin A344-364). Properties and function. <i>Advances in Experimental Medicine and Biology</i> , 2000 , 482, 263-77	3.6	14
16	Human tyrosine hydroxylase natural allelic variation: influence on autonomic function and hypertension. <i>Cellular and Molecular Neurobiology</i> , 2010 , 30, 1391-4	4.6	13
15	A novel, catecholamine release-inhibitory peptide from chromogranin A: autocrine control of nicotinic cholinergic-stimulated exocytosis. <i>Advances in Pharmacology</i> , 1998 , 42, 260-4	5.7	11
14	Granulogenesis in non-neuroendocrine COS-7 cells induced by EGFP-tagged chromogranin A gene transfection: identical and distinct distribution of CgA and EGFP. <i>Journal of Histochemistry and Cytochemistry</i> , 2007 , 55, 487-93	3.4	11
13	Genome-wide linkage analysis of chromogranin B expression in the CEPH pedigrees: implications for exocytotic sympathochromaffin secretion in humans. <i>Physiological Genomics</i> , 2004 , 18, 119-27	3.6	11
12	Chromogranin A-activated microglial cells induce neuronal apoptosis. <i>Annals of the New York Academy of Sciences</i> , 2002 , 971, 560-2	6.5	11
11	Long-term induction of an aldose reductase protein by basic fibroblast growth factor in rat astrocytes in vitro. <i>Electrophoresis</i> , 1995 , 16, 1240-50	3.6	11

10	The protein architecture of human secretory vesicles reveals differential regulation of signaling molecule secretion by protein kinases. <i>PLoS ONE</i> , 2012 , 7, e41134	3.7	9
9	Chromogranin A alters ductal morphogenesis and increases deposition of basement membrane components by mammary epithelial cells in vitro. <i>Biochemical and Biophysical Research Communications</i> , 1999 , 259, 563-8	3.4	9
8	Natural variation within the neuronal nicotinic acetylcholine receptor cluster on human chromosome 15q24: influence on heritable autonomic traits in twin pairs. <i>Journal of Pharmacology and Experimental Therapeutics</i> , 2009 , 331, 419-28	4.7	8
7	Intracellular protein trafficking into catecholamine storage vesicles: novel chimeric photoproteins visualized by deconvolution fluorescence microscopy. <i>Annals of the New York Academy of Sciences</i> , 2002 , 971, 262-5	6.5	7
6	Cox-2 promotes chromogranin A expression and bioactivity: evidence for a prostaglandin E2-dependent mechanism and the involvement of a proximal cyclic adenosine 5' monophosphate-responsive element. <i>Endocrinology</i> , 2007 , 148, 4310-7	4.8	5
5	Catecholamine biosynthesis and secretion: physiological and pharmacological effects of secretin. <i>Cell and Tissue Research</i> , 2011 , 345, 87-102	4.2	4
4	Fast-breaking results on the PACAP/VIP/secretin peptide family in chromaffin cells. <i>Annals of the New York Academy of Sciences</i> , 2002 , 971, 460-6	6.5	3
3	Genetic variation at the delta-sarcoglycan (SGCD) locus elevates heritable sympathetic nerve activity in human twin pairs. <i>Journal of Neurochemistry</i> , 2013 , 127, 750-61	6	2
2	Regulation of chromogranin A transcription and catecholamine secretion by the neuropeptide PACAP. Stimulation and desensitization. <i>Advances in Experimental Medicine and Biology</i> , 2000 , 482, 97-111 ^{3,6}	3.6	2
1	Catecholamines, Pheochromocytoma, and Hypertension: Genomic Insights 2007 , 895-911		