Qingyu Wu

List of Publications by Year
in descending order

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92 papers	5,006 citations	76294 40 h-index	95218 68 g-index
95 all docs	95 docs citations	95 times ranked	4866 citing authors

#	Article	IF	Citations
1	CD320 expression and apical membrane targeting in renal and intestinal epithelial cells. International Journal of Biological Macromolecules, 2022, 201, 85-92.	3.6	4
2	Probing the functional consequence and clinical relevance of <scp>CD320</scp> p.E88del, a variant in the transcobalamin receptor gene. American Journal of Medical Genetics, Part A, 2022, 188, 1124-1141.	0.7	2
3	Pcsk6 Deficiency Promotes Cardiomyocyte Senescence by Modulating Ddit3-Mediated ER Stress. Genes, 2022, 13, 711.	1.0	10
4	Corin: A Key Mediator in Sodium Homeostasis, Vascular Remodeling, and Heart Failure. Biology, 2022, 11, 717.	1.3	8
5	Hepsin: a multifunctional transmembrane serine protease in pathobiology. FEBS Journal, 2021, 288, 5252-5264.	2.2	21
6	The protease corin regulates electrolyte homeostasis in eccrine sweat glands. PLoS Biology, 2021, 19, e3001090.	2.6	10
7	Recombinant Soluble Corin Improves Cardiac Function in Mouse Models of Heart Failure. Journal of the American Heart Association, 2021, 10, e019961.	1.6	8
8	Hepsin regulates TGFÎ² signaling via fibronectin proteolysis. EMBO Reports, 2021, 22, e52532.	2.0	11
9	Atrial natriuretic peptide promotes uterine decidualization and a TRAIL-dependent mechanism in spiral artery remodeling. Journal of Clinical Investigation, 2021, 131, .	3.9	28
10	A common CORIN variant in hypertension reduces corin intracellular trafficking by exposing an inhibitory N-terminus. Biochemical and Biophysical Research Communications, 2020, 530, 35-41.	1.0	3
11	Intracellular autoactivation of TMPRSS11A, an airway epithelial transmembrane serine protease. Journal of Biological Chemistry, 2020, 295, 12686-12696.	1.6	22
12	KrÃ¼ppel-like factor 17 upregulates uterine corin expression and promotes spiral artery remodeling in pregnancy. Proceedings of the National Academy of Sciences of the United States of America, 2020, 117, 19425-19434.	3.3	21
13	Hepsin enhances liver metabolism and inhibits adipocyte browning in mice. Proceedings of the National Academy of Sciences of the United States of America, 2020, 117, 12359-12367.	3.3	21
14	N-glycan in the scavenger receptor cysteine-rich domain of hepsin promotes intracellular trafficking and cell surface expression. International Journal of Biological Macromolecules, 2020, 161, 818-827.	3.6	10
15	Function and regulation of corin in physiology and disease. Biochemical Society Transactions, 2020, 48, 1905-1916.	1.6	21
16	A conserved LDL-receptor motif regulates corin and CD320 membrane targeting in polarized renal epithelial cells. ELife, 2020, 9, .	2.8	6
17	N-Glycan-calnexin interactions in human factor VII secretion and deficiency. International Journal of Biochemistry and Cell Biology, 2019, 113, 67-74.	1.2	8
18	Ectopic expression of human airway trypsinâ€like protease 4 in acute myeloid leukemia promotes cancer cell invasion and tumor growth. Cancer Medicine, 2019, 8, 2348-2359.	1.3	7

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19	Pregnancy-Associated Cardiac Hypertrophy in Corin-Deficient Mice: Observations in a Transgenic Model of Preeclampsia. Canadian Journal of Cardiology, 2019, 35, 68-76.	0.8	19
20	Autoactivation and calpain-1-mediated shedding of hepsin in human hepatoma cells. Biochemical Journal, 2019, 476, 2355-2369.	1.7	13
21	Cross-linking, Immunoprecipitation and Proteomic Analysis to Identify Interacting Proteins in Cultured Cells. Bio-protocol, 2019, 9, .	0.2	8
22	Glucosidase Inhibition to Study Calnexin-assisted Glycoprotein Folding in Cells. Bio-protocol, 2019, 9, .	0.2	1
23	High-Mobility Group Box 1 From Hypoxic Trophoblasts Promotes Endothelial Microparticle Production and Thrombophilia in Preeclampsia. Arteriosclerosis, Thrombosis, and Vascular Biology, 2018, 38, 1381-1391.	1.1	34
24	Role of the protease corin in chondrogenic differentiation of human bone marrowâ€derived mesenchymal stem cells. Journal of Tissue Engineering and Regenerative Medicine, 2018, 12, 973-982.	1.3	12
25	Functional analysis of corin protein domains required for PCSK6-mediated activation. International Journal of Biochemistry and Cell Biology, 2018, 94, 31-39.	1.2	15
26	Increased Neutrophil Activation and Plasma DNA Levels in Patients with Pre-Eclampsia. Thrombosis and Haemostasis, 2018, 118, 2064-2073.	1.8	23
27	Corin is a key regulator of endochondral ossification and bone development via modulation of vascular endothelial growth factor A expression. Journal of Tissue Engineering and Regenerative Medicine, 2018, 12, 2277-2286.	1.3	5
28	Small GTPases SAR1A and SAR1B regulate the trafficking of the cardiac sodium channel Nav1.5. Biochimica Et Biophysica Acta - Molecular Basis of Disease, 2018, 1864, 3672-3684.	1.8	20
29	N-glycosylation in the protease domain of trypsin-like serine proteases mediates calnexin-assisted protein folding. ELife, 2018, 7, .	2.8	26
30	The Transmembrane Serine Protease HAT-like 4 Is Important for Epidermal Barrier Function to Prevent Body Fluid Loss. Scientific Reports, 2017, 7, 45262.	1.6	13
31	Identification and functional analysis ofCORINvariants in hypertensive patients. Human Mutation, 2017, 38, 1700-1710.	1.1	27
32	Recombinant and chemo-/bio-orthogonal synthesis of liposomal thrombomodulin and its antithrombotic activity. Journal of Bioscience and Bioengineering, 2017, 124, 445-451.	1.1	3
33	A unique microRNA profile in end-stage heart failure indicates alterations in specific cardiovascular signaling networks. PLoS ONE, 2017, 12, e0170456.	1.1	26
34	Localization of corin and atrial natriuretic peptide expression in human renal segments. Clinical Science, 2016, 130, 1655-1664.	1.8	26
35	Role of corin in the regulation of blood pressure. Current Opinion in Nephrology and Hypertension, 2016, 26, 1.	1.0	32
36	ANP-induced signaling cascade and its implications in renal pathophysiology. American Journal of Physiology - Renal Physiology, 2015, 308, F1047-F1055.	1.3	81

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37	Hepsin inhibits CDK11p58 IRES activity by suppressing unr expression and eIF-2Î± phosphorylation in prostate cancer. Cellular Signalling, 2015, 27, 789-797.	1.7	18
38	Distinct Roles of N-Glycosylation at Different Sites of Corin in Cell Membrane Targeting and Ectodomain Shedding. Journal of Biological Chemistry, 2015, 290, 1654-1663.	1.6	28
39	Atrial natriuretic peptide in cardiovascular biology and disease (NPPA). Gene, 2015, 569, 1-6.	1.0	160
40	PCSK6-mediated corin activation is essential for normal blood pressure. Nature Medicine, 2015, 21, 1048-1053.	15.2	117
41	A novel cytoplasmic tail motif regulates mouse corin expression on the cell surface. Biochemical and Biophysical Research Communications, 2015, 465, 152-158.	1.0	5
42	An improved flow cytometric immunobead array to detect autoantibodies in plasma from patients with immune thrombocytopenic purpura. Clinica Chimica Acta, 2015, 438, 396-400.	0.5	9
43	The serine protease hepsin mediates urinary secretion and polymerisation of Zona Pellucida domain protein uromodulin. ELife, 2015, 4, e08887.	2.8	92
44	Corin Mutations K317E and S472G from Preeclamptic Patients Alert Zymogen Activation and Cell Surface Targeting. Journal of Biological Chemistry, 2014, 289, 17909-17916.	1.6	45
45	MicroRNA-505 identified from patients with essential hypertension impairs endothelial cell migration and tube formation. International Journal of Cardiology, 2014, 177, 925-934.	0.8	77
46	N-Glycosylation Is Required for Matriptase-2 Autoactivation and Ectodomain Shedding. Journal of Biological Chemistry, 2014, 289, 19500-19507.	1.6	35
47	Corin in Natriuretic Peptide Processing and Hypertension. Current Hypertension Reports, 2014, 16, 415.	1.5	53
48	The role of fucosylation in the promotion of endothelial progenitor cells in neovascularization and bone repair. Biomaterials, 2014, 35, 3777-3785.	5.7	7
49	DESC1 and MSPL Activate Influenza A Viruses and Emerging Coronaviruses for Host Cell Entry. Journal of Virology, 2014, 88, 12087-12097.	1.5	76
50	A Corin Variant Identified in Hypertensive Patients That Alters Cytoplasmic Tail and Reduces Cell Surface Expression and Activity. Scientific Reports, 2014, 4, 7378.	1.6	24
51	Modulation of Platelet Activation and Thrombus Formation Using a Pan-PI3K Inhibitor S14161. PLoS ONE, 2014, 9, e102394.	1.1	20
52	Reduced urinary corin levels in patients with chronic kidney disease. Clinical Science, 2013, 124, 709-717.	1.8	32
53	Corin Mutation R539C from Hypertensive Patients Impairs Zymogen Activation and Generates an Inactive Alternative Ectodomain Fragment. Journal of Biological Chemistry, 2013, 288, 7867-7874.	1.6	60
54	Salt-Sensitive Hypertension and Cardiac Hypertrophy in Transgenic Mice Expressing a Corin Variant Identified in Blacks. Hypertension, 2012, 60, 1352-1358.	1.3	58

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55	Impaired sodium excretion and salt-sensitive hypertension in corin-deficient mice. Kidney International, 2012, 82, 26-33.	2.6	71
56	Role of corin in trophoblast invasion and uterine spiral artery remodelling in pregnancy. Nature, 2012, 484, 246-250.	13.7	271
57	Corin in clinical laboratory diagnostics. Clinica Chimica Acta, 2012, 413, 378-383.	0.5	60
58	Discovery and Fine Mapping of Serum Protein Loci through Transethnic Meta-analysis. American Journal of Human Genetics, 2012, 91, 744-753.	2.6	69
59	Identification and Functional Analysis of a Novel von Willebrand Factor Mutation in a Family with Type 2A von Willebrand Disease. PLoS ONE, 2012, 7, e33263.	1.1	2
60	Matriptase Is Highly up-Regulated in Chronic Lymphocytic Leukemia and Promotes Cancer Cell Invasion. Blood, 2012, 120, 4612-4612.	0.6	0
61	Corin: a serine protease. Kidney International, 2011, 79, 138-139.	2.6	0
62	Glycosylation and processing of pro-B-type natriuretic peptide in cardiomyocytes. Biochemical and Biophysical Research Communications, 2011, 411, 593-598.	1.0	32
63	Membrane-Anchored Serine Proteases in Health and Disease. Progress in Molecular Biology and Translational Science, 2011, 99, 1-50.	0.9	146
64	Ectodomain Shedding and Autocleavage of the Cardiac Membrane Protease Corin. Journal of Biological Chemistry, 2011, 286, 10066-10072.	1.6	89
65	Human Corin Isoforms with Different Cytoplasmic Tails That Alter Cell Surface Targeting. Journal of Biological Chemistry, 2011, 286, 20963-20969.	1.6	32
66	Molecular forms of natriuretic peptides in heart failure and their implications. Heart, 2010, 96, 419-424.	1.2	45
67	Plasma Soluble Corin in Patients With Heart Failure. Circulation: Heart Failure, 2010, 3, 207-211.	1.6	134
68	Effect of Sialylated O-Glycans in Proâ€“Brain Natriuretic Peptide Stability. Clinical Chemistry, 2010, 56, 959-966.	1.5	37
69	Protease corin expression and activity in failing hearts. American Journal of Physiology - Heart and Circulatory Physiology, 2010, 299, H1687-H1692.	1.5	68
70	Decreased renal corin expression contributes to sodium retention in proteinuric kidney diseases. Kidney International, 2010, 78, 650-659.	2.6	66
71	Corin: new insights into the natriuretic peptide system. Kidney International, 2009, 75, 142-146.	2.6	102
72	Type II Transmembrane Serine Proteases. Journal of Biological Chemistry, 2009, 284, 23177-23181.	1.6	317

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73	Iron-refractory iron deficiency anemia: new molecular mechanisms. Kidney International, 2009, 76, 1137-1141.	2.6	35
74	An integrated genetic and functional analysis of the role of type II transmembrane serine proteases (TMPRSSs) in hearing loss. Human Mutation, 2008, 29, 130-141.	1.1	70
75	Corin, atrial natriuretic peptide and hypertension. Nephrology Dialysis Transplantation, 2008, 24, 1071-1073.	0.4	17
76	Corin Variant Associated With Hypertension and Cardiac Hypertrophy Exhibits Impaired Zymogen Activation and Natriuretic Peptide Processing Activity. Circulation Research, 2008, 103, 502-508.	2.0	118
77	Role of Glycosylation in Corin Zymogen Activation. Journal of Biological Chemistry, 2007, 282, 27728-27735.	1.6	59
78	Hepsin and prostate cancer. Frontiers in Bioscience - Landmark, 2007, 12, 5052.	3.0	72
79	Mice Deficient for the Type II Transmembrane Serine Protease, TMPRSS1/hepsin, Exhibit Profound Hearing Loss. American Journal of Pathology, 2007, 171, 608-616.	1.9	66
80	The serine protease corin in cardiovascular biology and disease. Frontiers in Bioscience - Landmark, 2007, 12, 4179.	3.0	56
81	Antibodies Neutralizing Hepsin Protease Activity Do Not Impact Cell Growth but Inhibit Invasion of Prostate and Ovarian Tumor Cells in Culture. Cancer Research, 2006, 66, 3611-3619.	0.4	73
82	Serine proteases and cardiac function. Biochimica Et Biophysica Acta - Proteins and Proteomics, 2005, 1751, 82-94.	1.1	53
83	Corin Gene Minor Allele Defined by 2 Missense Mutations Is Common in Blacks and Associated With High Blood Pressure and Hypertension. Circulation, 2005, 112, 2403-2410.	1.6	189
84	Hypertension in mice lacking the proatrial natriuretic peptide convertase corin. Proceedings of the National Academy of Sciences of the United States of America, 2005, 102, 785-790.	3.3	231
85	Identification of Domain Structures in the Propeptide of Corin Essential for the Processing of Proatrial Natriuretic Peptide. Journal of Biological Chemistry, 2004, 279, 34464-34471.	1.6	77
86	Upregulation of corin gene expression in hypertrophic cardiomyocytes and failing myocardium. American Journal of Physiology - Heart and Circulatory Physiology, 2004, 287, H1625-H1631.	1.5	49
87	Type II transmembrane serine proteases. Current Topics in Developmental Biology, 2003, 54, 167-206.	1.0	51
88	Functional Analysis of the Transmembrane Domain and Activation Cleavage of Human Corin. Journal of Biological Chemistry, 2003, 278, 52363-52370.	1.6	109
89	Furin-mediated Processing of Pro-C-type Natriuretic Peptide. Journal of Biological Chemistry, 2003, 278, 25847-25852.	1.6	183
90	Genomic Structures of the Human and Murine Corin Genes and Functional GATA Elements in Their Promoters. Journal of Biological Chemistry, 2002, 277, 38390-38398.	1.6	58

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91	Processing of Pro-atrial Natriuretic Peptide by Corin in Cardiac Myocytes. Journal of Biological Chemistry, 2002, 277, 16900-16905.	1.6	136
92	Corin, a Mosaic Transmembrane Serine Protease Encoded by a Novel cDNA from Human Heart. Journal of Biological Chemistry, 1999, 274, 14926-14935.	1.6	242