Hong Chen

List of Publications by Year
in descending order

64 papers	3,524 citations	201674 27 h-index	138484 58 g-index
67 all docs	67 docs citations	67 times ranked	4069 citing authors

#	Article	IF	Citations
1	Diabetes and Its Cardiovascular Complications: Comprehensive Network and Systematic Analyses. Frontiers in Cardiovascular Medicine, 2022, 9, 841928.	2.4	7
2	Pregnane X Receptor Mediates Atherosclerosis Induced by Dicyclohexyl Phthalate in LDL Receptor-Deficient Mice. Cells, 2022, 11, 1125.	4.1	5
3	Vascular Injury in the Zebrafish Tail Modulates Blood Flow and Peak Wall Shear Stress to Restore Embryonic Circular Network. Frontiers in Cardiovascular Medicine, 2022, 9, 841101.	2.4	3
4	Targeting Neuropilinâ€2 in Lymphatic Malformation. FASEB Journal, 2022, 36, .	0.5	0
5	Smooth Muscleâ€Specific Deletion of Neuropilinâ€1 Increases Vascular Contractility and Blood Pressure. FASEB Journal, 2022, 36, .	0.5	1
6	The Role of Endothelial-to-Mesenchymal Transition in Cardiovascular Disease. Cells, 2022, 11, 1834.	4.1	16
7	Epsins in vascular development, function and disease. Cellular and Molecular Life Sciences, 2021, 78, 833-842.	5.4	11
8	Epsins 1 and 2 promote NEMO linear ubiquitination via LUBAC to drive breast cancer development. Journal of Clinical Investigation, 2021, 131, .	8.2	18
9	Editorial: The Role of the Lymphatic System in Lipid and Energy Metabolism, and Immune Homeostasis During Obesity and Diabetes. Frontiers in Physiology, 2021, 12, 652461.	2.8	3
10	Fibrinogenâ€like protein 2 contributes to normal murine cardiomyocyte maturation and heart development. Experimental Physiology, 2021, 106, 1559-1571.	2.0	5
11	Epsins Negatively Regulate Aortic Endothelial Cell Function by Augmenting Inflammatory Signaling. Cells, 2021, 10, 1918.	4.1	5
12	Non-alcoholic Steatohepatitis Pathogenesis, Diagnosis, and Treatment. Frontiers in Cardiovascular Medicine, 2021, 8, 742382.	2.4	22
13	Abstract MP17: Neuropilin-1 Is A Novel Regulator Of Vascular Tone And Blood Pressure. Hypertension, 2021, 78, .	2.7	0
14	YAP and TAZ maintain PROX1 expression in the developing lymphatic and lymphovenous valves in response to VEGF-C signaling. Development (Cambridge), 2020, 147, .	2.5	28
15	Epsin-mediated degradation of IP3R1 fuels atherosclerosis. Nature Communications, 2020, 11, 3984.	12.8	24
16	Endocytic Adaptors in Cardiovascular Disease. Frontiers in Cell and Developmental Biology, 2020, 8, 624159.	3.7	16
17	S1PR1 regulates the quiescence of lymphatic vessels by inhibiting laminar shear stressâ€"dependent VEGF-C signaling. JCI Insight, 2020, 5, .	5.0	47
18	New Insight into the Mechanisms of Ginkgo Biloba Extract in Vascular Aging Prevention. Current Vascular Pharmacology, 2020, 18, 334-345.	1.7	14

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19	Abstract 17346: Loss of Neuropilin 2 Impairs Lymphangiogenesis and Exacerbates Lymphedema. Circulation, 2020, 142, .	1.6	0
20	ORP4L Extracts and Presents PIP2 from Plasma Membrane for PLCÎ²3 Catalysis: Targeting It Eradicates Leukemia Stem Cells. Cell Reports, 2019, 26, 2166-2177.e9.	6.4	35
21	GATA2 controls lymphatic endothelial cell junctional integrity and lymphovenous valve morphogenesis through <i>miR-126</i>. Development (Cambridge), 2019, 146, .	2.5	30
22	Myeloid-Specific Deletion of Epsins 1 and 2 Reduces Atherosclerosis by Preventing LRP-1 Downregulation. Circulation Research, 2019, 124, e6-e19.	4.5	41
23	Enhanced Lymphangiogenesis and Lymphatic Function Protects Dietâ€induced Obesity and Insulin Resistance. FASEB Journal, 2019, 33, 662.25.	0.5	1
24	Enhanced hexose-6-phosphate dehydrogenase expression in adipose tissue may contribute to diet-induced visceral adiposity. International Journal of Obesity, 2018, 42, 1999-2011.	3.4	5
25	Therapeutic efficacy of a synthetic epsin mimetic peptide in glioma tumor model: uncovering multiple mechanisms beyond the VEGF-associated tumor angiogenesis. Journal of Neuro-Oncology, 2018, 138, 17-27.	2.9	7
26	A paradoxical method to enhance compensatory lung growth: Utilizing a VEGF inhibitor. PLoS ONE, 2018, 13, e0208579.	2.5	5
27	Complementary Wnt Sources Regulate Lymphatic Vascular Development via PROX1-Dependent Wnt/Î²-Catenin Signaling. Cell Reports, 2018, 25, 571-584.e5.	6.4	55
28	Cardiotoxicity of Anticancer Therapeutics. Frontiers in Cardiovascular Medicine, 2018, 5, 9.	2.4	68
29	Heparin impairs angiogenic signaling and compensatory lung growth after left pneumonectomy. Angiogenesis, 2018, 21, 837-848.	7.2	10
30	Epsin deficiency promotes lymphangiogenesis through regulation of VEGFR3 degradation in diabetes. Journal of Clinical Investigation, 2018, 128, 4025-4043.	8.2	52
31	Loss of mucin-type O-glycans impairs the integrity of the glomerular filtration barrier in the mouse kidney. Journal of Biological Chemistry, 2017, 292, 16491-16497.	3.4	21
32	Role of endoplasmic reticulum stress signalling in diabetic endothelial dysfunction and atherosclerosis. Diabetes and Vascular Disease Research, 2017, 14, 14-23.	2.0	83
33	Endothelial epsins as regulators and potential therapeutic targets of tumor angiogenesis. Cellular and Molecular Life Sciences, 2017, 74, 393-398.	5.4	12
34	Eating the Dead to Keep Atherosclerosis at Bay. Frontiers in Cardiovascular Medicine, 2017, 4, 2.	2.4	54
35	Mimetic peptide of ubiquitin-interacting motif of epsin as a cancer therapeutic-perspective in brain tumor therapy through regulating VEGFR2 signaling. Vessel Plus, 2017, 1, 3-11.	0.4	8
36	Insights from Genetic Model Systems of Retinal Degeneration: Role of Epsins in Retinal Angiogenesis and VEGFR2 Signaling. Journal of Nature and Science, 2017, 3, .	1.1	5

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37	Defective Intestinal Mucin-Type O-Glycosylation Causes Spontaneous Colitis-Associated Cancer in Mice. Gastroenterology, 2016, 151, 152-164.e11.	1.3	105
38	Mechanotransduction activates canonical Wnt/Î²-catenin signaling to promote lymphatic vascular patterning and the development of lymphatic and lymphovenous valves. Genes and Development, 2016, 30, 1454-1469.	5.9	121
39	Multiple mouse models of primary lymphedema exhibit distinct defects in lymphovenous valve development. Developmental Biology, 2016, 409, 218-233.	2.0	78
40	Selective Targeting of a Novel Epsinâ€"VEGFR2 Interaction Promotes VEGF-Mediated Angiogenesis. Circulation Research, 2016, 118, 957-969.	4.5	35
41	Epsin is required for Dishevelled stability and Wnt signalling activation in colon cancer development. Nature Communications, 2015, 6, 6380.	12.8	31
42	Loss of Core 1-derived O-Glycans Decreases Breast Cancer Development in Mice. Journal of Biological Chemistry, 2015, 290, 20159-20166.	3.4	28
43	Motif mimetic of epsin perturbs tumor growth and metastasis. Journal of Clinical Investigation, 2015, 125, 4349-4364.	8.2	24
44	OKN-007 decreases VEGFR-2 levels in a preclinical GL261 mouse glioma model. American Journal of Nuclear Medicine and Molecular Imaging, 2015, 5, 363-78.	1.0	8
45	Molecular and cellular mechanisms of lymphatic vascular maturation. Microvascular Research, 2014, 96, 16-22.	2.5	15
46	Genetic Reduction of Vascular Endothelial Growth Factor Receptor 2 Rescues Aberrant Angiogenesis Caused by Epsin Deficiency. Arteriosclerosis, Thrombosis, and Vascular Biology, 2014, 34, 331-337.	2.4	44
47	Temporal and spatial regulation of epsin abundance and VEGFR3 signaling are required for lymphatic valve formation and function. Science Signaling, 2014, 7, ra97.	3.6	57
48	Podoplanin requires sialylated O-glycans for stable expression on lymphatic endothelial cells and for interaction with platelets. Blood, 2014, 124, 3656-3665.	1.4	44
49	Epsin deficiency impairs endocytosis by stalling the actin-dependent invagination of endocytic clathrin-coated pits. ELife, 2014, 3, e03311.	6.0	101
50	Abstract 254: A Novel Role of Endothelial and Macrophage Epsins in Atherosclerosis. Arteriosclerosis, Thrombosis, and Vascular Biology, 2014, 34, .	2.4	0
51	Endocytic Adaptor Protein Epsin Is Elevated in Prostate Cancer and Required for Cancer Progression. ISRN Oncology, 2013, 2013, 1-8.	2.1	13
52	Epsin Family of Endocytic Adaptor Proteins as Oncogenic Regulators of Cancer Progression. Journal of Cancer Research Updates, 2013, 2, 144-150.	0.3	20
53	Abstract 43: The Role of Epsins in Atherosclerosis. Arteriosclerosis, Thrombosis, and Vascular Biology, 2013, 33, .	2.4	0
54	Endothelial epsin deficiency decreases tumor growth by enhancing VEGF signaling. Journal of Clinical Investigation, 2012, 122, 4424-4438.	8.2	97

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55	Selective high-level expression of epsin 3 in gastric parietal cells, where it is localized at endocytic sites of apical canaliculi. Proceedings of the National Academy of Sciences of the United States of America, 2010, 107, 21511-21516.	7.1	33
56	Embryonic arrest at midgestation and disruption of Notch signaling produced by the absence of both epsin 1 and epsin 2 in mice. Proceedings of the National Academy of Sciences of the United States of America, 2009, 106, 13838-13843.	7.1	112
57	JAK2 and SHP2 Reciprocally Regulate Tyrosine Phosphorylation and Stability of Proapoptotic Protein ASK1. Journal of Biological Chemistry, 2009, 284, 13481-13488.	3.4	27
58	The association of epsin with ubiquitinated cargo along the endocytic pathway is negatively regulated by its interaction with clathrin. Proceedings of the National Academy of Sciences of the United States of America, 2005, 102, 2766-2771.	7.1	136
59	Rapid Ca2+-dependent decrease of protein ubiquitination at synapses. Proceedings of the National Academy of Sciences of the United States of America, 2003, 100, 14908-14913.	7.1	116
60	A single motif responsible for ubiquitin recognition and monoubiquitination in endocytic proteins. Nature, 2002, 416, 451-455.	27.8	592
61	The Interaction of Epsin and Eps15 with the Clathrin Adaptor AP-2 Is Inhibited by Mitotic Phosphorylation and Enhanced by Stimulation-dependent Dephosphorylation in Nerve Terminals. Journal of Biological Chemistry, 1999, 274, 3257-3260.	3.4	122
62	The Epsins Define a Family of Proteins That Interact with Components of the Clathrin Coat and Contain a New Protein Module. Journal of Biological Chemistry, 1999, 274, 33959-33965.	3.4	171
63	Epsin is an EH-domain-binding protein implicated in clathrin-mediated endocytosis. Nature, 1998, 394, 793-797.	27.8	520
64	Synaptojanin 1: localization on coated endocytic intermediates in nerve terminals and interaction of its 170 kDa isoform with Eps15. FEBS Letters, 1997, 419, 175-180.	2.8	152