Chou-Long Huang

List of Publications by Year
in descending order

38 papers	2,208 citations	236612 25 h-index	329751 37 g-index
54 all docs	54 docs citations	54 times ranked	3230 citing authors

#	Article	IF	Citations
1	Channel Function of Polycystin-2 in the Endoplasmic Reticulum Protects against Autosomal Dominant Polycystic Kidney Disease. Journal of the American Society of Nephrology: JASN, 2022, 33, 1501-1516.	3.0	14
2	Loss of diacylglycerol kinase Îµ causes thrombotic microangiopathy by impairing endothelial VEGFA signaling. JCI Insight, 2021, 6, .	2.3	10
3	Impairment in renal medulla development underlies salt wasting in Clc-k2 channel deficiency. JCI Insight, 2021, 6, .	2.3	6
4	Munc13 mediates klotho-inhibitable diacylglycerol-stimulated exocytotic insertion of pre-docked TRPC6 vesicles. PLoS ONE, 2020, 15, e0229799.	1.1	3
5	Soluble klotho regulates TRPC6 calcium signaling via lipid rafts, independent of the FGFRâ€FGF23 pathway. FASEB Journal, 2019, 33, 9182-9193.	0.2	28
6	OSR1 regulates a subset of inward rectifier potassium channels via a binding motif variant. Proceedings of the National Academy of Sciences of the United States of America, 2018, 115, 3840-3845.	3.3	17
7	Differential roles of WNK4 in regulation of NCC in vivo. American Journal of Physiology - Renal Physiology, 2018, 314, F999-F1007.	1.3	21
8	Klotho May Ameliorate Proteinuria by Targeting TRPC6 Channels in Podocytes. Journal of the American Society of Nephrology: JASN, 2017, 28, 140-151.	3.0	70
9	Soluble klotho binds monosialoganglioside to regulate membrane microdomains and growth factor signaling. Proceedings of the National Academy of Sciences of the United States of America, 2017, 114, 752-757.	3.3	68
10	Modeled structural basis for the recognition of Î±2â€"3â€sialyllactose by soluble Klotho. FASEB Journal, 2017, 31, 3574-3586.	0.2	25
11	Inhibition of TRPC6 channels ameliorates renalÂfibrosis and contributes to renal protectionÂbyÂsoluble klotho. Kidney International, 2017, 91, 830-841.	2.6	84
12	Functional severity of <i>CLCNKB</i> mutations correlates with phenotypes in patients with classic Bartter's syndrome. Journal of Physiology, 2017, 595, 5573-5586.	1.3	31
13	New Insights into the Mechanism of Action of Soluble Klotho. Frontiers in Endocrinology, 2017, 8, 323.	1.5	132
14	Hypertension: the missing WNKs. American Journal of Physiology - Renal Physiology, 2016, 311, F16-F27.	1.3	20
15	Endolysosomal trafficking of viral G protein-coupled receptor functions in innate immunity and control of viral oncogenesis. Proceedings of the National Academy of Sciences of the United States of America, 2016, 113, 2994-2999.	3.3	17
16	WNK1 kinase balances T cell adhesion versus migration in vivo. Nature Immunology, 2016, 17, 1075-1083.	7.0	54
17	High dietary phosphate intake induces hypertension and augments exercise pressor reflex function in rats. American Journal of Physiology - Regulatory Integrative and Comparative Physiology, 2016, 311, R39-R48.	0.9	41
18	Two inwardly rectifying potassium channels,<i>Irk1</i>and<i>Irk2</i>, play redundant roles in<i>Drosophila</i>renal tubule function. American Journal of Physiology - Regulatory Integrative and Comparative Physiology, 2015, 309, R747-R756.	0.9	47

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19	STE20/SPS1-related proline/alanine-rich kinase (SPAK) is critical for sodium reabsorption in isolated, perfused thick ascending limb. American Journal of Physiology - Renal Physiology, 2015, 308, F437-F443.	1.3	23
20	A unifying mechanism for WNK kinase regulation of sodium-chloride cotransporter. Pflugers Archiv European Journal of Physiology, 2015, 467, 2235-2241.	1.3	27
21	Soluble Klotho Protects against Uremic Cardiomyopathy Independently of Fibroblast Growth Factor 23 and Phosphate. Journal of the American Society of Nephrology: JASN, 2015, 26, 1150-1160.	3.0	218
22	Hypotonicity Stimulates Potassium Flux through the WNK-SPAK/OSR1 Kinase Cascade and the Ncc69 Sodium-Potassium-2-Chloride Cotransporter in the Drosophila Renal Tubule. Journal of Biological Chemistry, 2014, 289, 26131-26142.	1.6	37
23	Klotho Up-regulates Renal Calcium Channel Transient Receptor Potential Vanilloid 5 (TRPV5) by Intra- and Extracellular N-glycosylation-dependent Mechanisms. Journal of Biological Chemistry, 2014, 289, 35849-35857.	1.6	55
24	An acetate switch regulates stress erythropoiesis. Nature Medicine, 2014, 20, 1018-1026.	15.2	62
25	Zebrafish WNK Lysine Deficient Protein Kinase 1 (wnk1) Affects Angiogenesis Associated with VEGF Signaling. PLoS ONE, 2014, 9, e106129.	1.1	36
26	Flow-induced activation of TRPV5 and TRPV6 channels stimulates Ca2+-activated K+ channel causing membrane hyperpolarization. Biochimica Et Biophysica Acta - Molecular Cell Research, 2013, 1833, 3046-3053.	1.9	19
27	WNK1 Protein Kinase Regulates Embryonic Cardiovascular Development through the OSR1 Signaling Cascade. Journal of Biological Chemistry, 2013, 288, 8566-8574.	1.6	49
28	Regulation of Ion Channels by Secreted Klotho. Advances in Experimental Medicine and Biology, 2012, 728, 100-106.	0.8	19
29	Cardioprotection by Klotho through downregulation of TRPC6 channels in the mouse heart. Nature Communications, 2012, 3, 1238.	5.8	282
30	Klotho: a novel regulator of calcium and phosphorus homeostasis. Pflugers Archiv European Journal of Physiology, 2011, 462, 185-193.	1.3	64
31	Regulation of ion channels by secreted Klotho: mechanisms and implications. Kidney International, 2010, 77, 855-860.	2.6	70
32	WNK kinases and essential hypertension. Current Opinion in Nephrology and Hypertension, 2008, 17, 133-137.	1.0	15
33	Mechanism of regulation of renal ion transport by WNK kinases. Current Opinion in Nephrology and Hypertension, 2008, 17, 519-525.	1.0	72
34	Mechanism of Hypokalemia in Magnesium Deficiency. Journal of the American Society of Nephrology: JASN, 2007, 18, 2649-2652.	3.0	291
35	Complex roles of PIP₂in the regulation of ion channels and transporters. American Journal of Physiology - Renal Physiology, 2007, 293, F1761-F1765.	1.3	54
36	Mechanisms of Disease: WNK-ing at the mechanism of salt-sensitive hypertension. Nature Clinical Practice Nephrology, 2007, 3, 623-630.	2.0	56

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37	Probing the Effects of Phosphoinositides on Ion Channels. , 2006, 337, 81-87.		1
38	The Transient Receptor Potential Superfamily of Ion Channels. Journal of the American Society of Nephrology: JASN, 2004, 15, 1690-1699.	3.0	70