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	Mechanism of Hypokalemia in Magnesium Deficiency. Journal of the American Society of Nephrology: JASN, 2007, 18, 2649-2652.	3.0	291
2	Cardioprotection by Klotho through downregulation of TRPC6 channels in the mouse heart. Nature Communications, 2012, 3, 1238.	5.8	282
3	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
4	New Insights into the Mechanism of Action of Soluble Klotho. Frontiers in Endocrinology, 2017, 8, 323.	1.5	132
5	Inhibition of TRPC6 channels ameliorates renalÂfibrosis and contributes to renal protectionÂbyÂsoluble klotho. Kidney International, 2017, 91, 830-841.	2.6	84
6	Mechanism of regulation of renal ion transport by WNK kinases. Current Opinion in Nephrology and Hypertension, 2008, 17, 519-525.	1.0	72
7	The Transient Receptor Potential Superfamily of Ion Channels. Journal of the American Society of Nephrology: JASN, 2004, 15, 1690-1699.	3.0	70
8	Regulation of ion channels by secreted Klotho: mechanisms and implications. Kidney International, 2010, 77, 855-860.	2.6	70
9	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
10	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
11	Klotho: a novel regulator of calcium and phosphorus homeostasis. Pflugers Archiv European Journal of Physiology, 2011, 462, 185-193.	1.3	64
12	An acetate switch regulates stress erythropoiesis. Nature Medicine, 2014, 20, 1018-1026.	15.2	62
13	Mechanisms of Disease: WNK-ing at the mechanism of salt-sensitive hypertension. Nature Clinical Practice Nephrology, 2007, 3, 623-630.	2.0	56
14	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
15	Complex roles of PIP₂in the regulation of ion channels and transporters. American Journal of Physiology - Renal Physiology, 2007, 293, F1761-F1765.	1.3	54
16	WNK1 kinase balances T cell adhesion versus migration in vivo. Nature Immunology, 2016, 17, 1075-1083.	7.0	54
17	WNK1 Protein Kinase Regulates Embryonic Cardiovascular Development through the OSR1 Signaling Cascade. Journal of Biological Chemistry, 2013, 288, 8566-8574.	1.6	49
18	Two inwardly rectifying potassium channels,Irk1andIrk2, play redundant roles inDrosophilarenal tubule function. American Journal of Physiology - Regulatory Integrative and Comparative Physiology, 2015, 309, R747-R756.	0.9	47

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19	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
20	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
21	Zebrafish WNK Lysine Deficient Protein Kinase 1 (wnk1) Affects Angiogenesis Associated with VEGF Signaling. PLoS ONE, 2014, 9, e106129.	1.1	36
22	Functional severity of CLCNKB mutations correlates with phenotypes in patients with classic Bartter's syndrome. Journal of Physiology, 2017, 595, 5573-5586.	1.3	31
23	Soluble klotho regulates TRPC6 calcium signaling via lipid rafts, independent of the FGFRâ€FGF23 pathway. FASEB Journal, 2019, 33, 9182-9193.	0.2	28
24	A unifying mechanism for WNK kinase regulation of sodium-chloride cotransporter. Pflugers Archiv European Journal of Physiology, 2015, 467, 2235-2241.	1.3	27
25	Modeled structural basis for the recognition of Î±2â€“3â€sialyllactose by soluble Klotho. FASEB Journal, 2017, 31, 3574-3586.	0.2	25
26	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
27	Differential roles of WNK4 in regulation of NCC in vivo. American Journal of Physiology - Renal Physiology, 2018, 314, F999-F1007.	1.3	21
28	Hypertension: the missing WNKs. American Journal of Physiology - Renal Physiology, 2016, 311, F16-F27.	1.3	20
29	Regulation of Ion Channels by Secreted Klotho. Advances in Experimental Medicine and Biology, 2012, 728, 100-106.	0.8	19
30	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
31	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
32	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
33	WNK kinases and essential hypertension. Current Opinion in Nephrology and Hypertension, 2008, 17, 133-137.	1.0	15
34	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
35	Loss of diacylglycerol kinase Îµ causes thrombotic microangiopathy by impairing endothelial VEGFA signaling. JCI Insight, 2021, 6, .	2.3	10
36	Impairment in renal medulla development underlies salt wasting in Clc-k2 channel deficiency. JCI Insight, 2021, 6, .	2.3	6

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37	Munc13 mediates klotho-inhibitable diacylglycerol-stimulated exocytotic insertion of pre-docked TRPC6 vesicles. PLoS ONE, 2020, 15, e0229799.	1.1	3
38	Probing the Effects of Phosphoinositides on Ion Channels. , 2006, 337, 81-87.		1