

Jian Xie

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.

23
papers

1,317
citations

19
h-index

25
g-index

25
ext. papers

1,577
ext. citations

10.6
avg, IF

4.23
L-index

| # | Paper | IF | Citations |
|----|---|------|-----------|
| 23 | Cardioprotection by Klotho through downregulation of TRPC6 channels in the mouse heart. <i>Nature Communications</i> , 2012 , 3, 1238 | 17.4 | 224 |
| 22 | Soluble Klotho Protects against Uremic Cardiomyopathy Independently of Fibroblast Growth Factor 23 and Phosphate. <i>Journal of the American Society of Nephrology: JASN</i> , 2015 , 26, 1150-60 | 12.7 | 159 |
| 21 | A neuropeptide ligand of the G protein-coupled receptor GPR103 regulates feeding, behavioral arousal, and blood pressure in mice. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , 2006 , 103, 7438-43 | 11.5 | 138 |
| 20 | New Insights into the Mechanism of Action of Soluble Klotho. <i>Frontiers in Endocrinology</i> , 2017 , 8, 323 | 5.7 | 84 |
| 19 | Endothelin-3 frameshift mutation in congenital central hypoventilation syndrome. <i>Nature Genetics</i> , 1996 , 13, 395-6 | 36.3 | 82 |
| 18 | Downregulation of NCC and NKCC2 cotransporters by kidney-specific WNK1 revealed by gene disruption and transgenic mouse models. <i>Human Molecular Genetics</i> , 2011 , 20, 855-66 | 5.6 | 67 |
| 17 | Endothelial-specific expression of WNK1 kinase is essential for angiogenesis and heart development in mice. <i>American Journal of Pathology</i> , 2009 , 175, 1315-27 | 5.8 | 63 |
| 16 | Klotho May Ameliorate Proteinuria by Targeting TRPC6 Channels in Podocytes. <i>Journal of the American Society of Nephrology: JASN</i> , 2017 , 28, 140-151 | 12.7 | 52 |
| 15 | Inhibition of TRPC6 channels ameliorates renal fibrosis and contributes to renal protection by soluble klotho. <i>Kidney International</i> , 2017 , 91, 830-841 | 9.9 | 52 |
| 14 | Soluble klotho binds monosialoganglioside to regulate membrane microdomains and growth factor signaling. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , 2017 , 114, 752-757 | 11.5 | 51 |
| 13 | An acetate switch regulates stress erythropoiesis. <i>Nature Medicine</i> , 2014 , 20, 1018-26 | 50.5 | 46 |
| 12 | WNKs: protein kinases with a unique kinase domain. <i>Experimental and Molecular Medicine</i> , 2007 , 39, 565-73 | 3.8 | 40 |
| 11 | Constitutive lysosomal targeting and degradation of bovine endothelin-converting enzyme-1a mediated by novel signals in its alternatively spliced cytoplasmic tail. <i>Journal of Biological Chemistry</i> , 1999 , 274, 1509-18 | 5.4 | 39 |
| 10 | Role of with-no-lysine [K] kinases in the pathogenesis of Gordon's syndrome. <i>Pediatric Nephrology</i> , 2006 , 21, 1231-6 | 3.2 | 38 |
| 9 | WNK1 kinase balances T cell adhesion versus migration in vivo. <i>Nature Immunology</i> , 2016 , 17, 1075-83 | 19.1 | 36 |
| 8 | WNK1 protein kinase regulates embryonic cardiovascular development through the OSR1 signaling cascade. <i>Journal of Biological Chemistry</i> , 2013 , 288, 8566-8574 | 5.4 | 35 |
| 7 | Potassium-regulated distal tubule WNK bodies are kidney-specific WNK1 dependent. <i>Molecular Biology of the Cell</i> , 2018 , 29, 499-509 | 3.5 | 31 |

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| 6 | Soluble klotho regulates TRPC6 calcium signaling lipid rafts, independent of the FGFR-FGF23 pathway. <i>FASEB Journal</i> , 2019 , 33, 9182-9193 | 0.9 | 21 |
| 5 | Modeled structural basis for the recognition of α -3-sialyllactose by soluble Klotho. <i>FASEB Journal</i> , 2017 , 31, 3574-3586 | 0.9 | 20 |
| 4 | Regulation of TRPV5 single-channel activity by intracellular pH. <i>Journal of Membrane Biology</i> , 2007 , 220, 79-85 | 2.3 | 17 |
| 3 | Differential roles of WNK4 in regulation of NCC in vivo. <i>American Journal of Physiology - Renal Physiology</i> , 2018 , 314, F999-F1007 | 4.3 | 14 |
| 2 | Chloride sensing by WNK1 regulates NLRP3 inflammasome activation and pyroptosis. <i>Nature Communications</i> , 2021 , 12, 4546 | 17.4 | 6 |
| 1 | Munc13 mediates klotho-inhibitable diacylglycerol-stimulated exocytotic insertion of pre-docked TRPC6 vesicles. <i>PLoS ONE</i> , 2020 , 15, e0229799 | 3.7 | 1 |