Thomas Weimbs

List of Publications by Year
in descending order

63 papers	4,749 citations	159585 30 h-index	128289 60 g-index
66 all docs	66 docs citations	66 times ranked	3940 citing authors

#	Article	IF	Citations
1	The mTOR pathway is regulated by polycystin-1, and its inhibition reverses renal cystogenesis in polycystic kidney disease. Proceedings of the National Academy of Sciences of the United States of America, 2006, 103, 5466-5471.	7.1	715
2	Polycystin-1, STAT6, and P100 Function in a Pathway that Transduces Ciliary Mechanosensation and Is Activated in Polycystic Kidney Disease. Developmental Cell, 2006, 10, 57-69.	7.0	325
3	A conserved domain is present in different families of vesicular fusion proteins: A new superfamily. Proceedings of the National Academy of Sciences of the United States of America, 1997, 94, 3046-3051.	7.1	266
4	Proteolipid protein (PLP) of CNS myelin: positions of free, disulfide-bonded, and fatty acid thioester-linked cysteine residues and implications for the membrane topology of PLP. Biochemistry, 1992, 31, 12289-12296.	2.5	231
5	Rapamycin Ameliorates PKD Resulting from Conditional Inactivation of Pkd1. Journal of the American Society of Nephrology: JASN, 2010, 21, 489-497.	6.1	226
6	Three-dimensional analysis of post-Golgi carrier exocytosis in epithelial cells. Nature Cell Biology, 2003, 5, 126-136.	10.3	215
7	Polarity Proteins Control Ciliogenesis via Kinesin Motor Interactions. Current Biology, 2004, 14, 1451-1461.	3.9	192
8	Syntaxin 2 and Endobrevin Are Required for the Terminal Step of Cytokinesis in Mammalian Cells. Developmental Cell, 2003, 4, 753-759.	7.0	175
9	The SNARE Machinery Is Involved in Apical Plasma Membrane Trafficking in MDCK Cells. Journal of Cell Biology, 1998, 141, 1503-1513.	5.2	169
10	A model for structural similarity between different SNARE complexes based on sequence relationships. Trends in Cell Biology, 1998, 8, 260-262.	7.9	142
11	Ketosis Ameliorates Renal Cyst Growth in Polycystic Kidney Disease. Cell Metabolism, 2019, 30, 1007-1023.e5.	16.2	137
12	Polycystin-1 regulates STAT activity by a dual mechanism. Proceedings of the National Academy of Sciences of the United States of America, 2011, 108, 7985-7990.	7.1	125
13	Apical targeting in polarized epithelial cells: There's more afloat than rafts. Trends in Cell Biology, 1997, 7, 393-399.	7.9	117
14	Polycystic kidney disease and renal injury repair: common pathways, fluid flow, and the function of polycystin-1. American Journal of Physiology - Renal Physiology, 2007, 293, F1423-F1432.	2.7	100
15	Targeting of SNAP-23 and SNAP-25 in Polarized Epithelial Cells. Journal of Biological Chemistry, 1998, 273, 3422-3430.	3.4	98
16	Folate-Conjugated Rapamycin Slows Progression of Polycystic Kidney Disease. Journal of the American Society of Nephrology: JASN, 2012, 23, 1674-1681.	6.1	89
17	Prospects for mTOR Inhibitor Use in Patients with Polycystic Kidney Disease and Hamartomatous Diseases. Clinical Journal of the American Society of Nephrology: CJASN, 2010, 5, 1312-1329.	4.5	85
18	Direct Interaction between Rab3b and the Polymeric Immunoglobulin Receptor Controls Ligand-Stimulated Transcytosis in Epithelial Cells. Developmental Cell, 2002, 2, 219-228.	7.0	82

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19	Apical targeting of syntaxin 3 is essential for epithelial cell polarity. Journal of Cell Biology, 2006, 173, 937-948.	5.2	82
20	A mild reduction of food intake slows disease progression in an orthologous mouse model of polycystic kidney disease. American Journal of Physiology - Renal Physiology, 2016, 310, F726-F731.	2.7	79
21	SNARE expression and localization in renal epithelial cells suggest mechanism for variability of trafficking phenotypes. American Journal of Physiology - Renal Physiology, 2002, 283, F1111-F1122.	2.7	72
22	Syntaxins 3 and 4 Are Concentrated in Separate Clusters on the Plasma Membrane before the Establishment of Cell Polarity. Molecular Biology of the Cell, 2006, 17, 977-989.	2.1	72
23	Signal transducer and activator of transcription-6 (STAT6) inhibition suppresses renal cyst growth in polycystic kidney disease. Proceedings of the National Academy of Sciences of the United States of America, 2011, 108, 18067-18072.	7.1	70
24	The Cleaved Cytoplasmic Tail of Polycystin-1 Regulates Src-Dependent STAT3 Activation. Journal of the American Society of Nephrology: JASN, 2014, 25, 1737-1748.	6.1	61
25	Intracellular Redirection of Plasma Membrane Trafficking after Loss of Epithelial Cell Polarity. Molecular Biology of the Cell, 2000, 11, 3045-3060.	2.1	55
26	Crystal deposition triggers tubule dilation that accelerates cystogenesis in polycystic kidney disease. Journal of Clinical Investigation, 2019, 129, 4506-4522.	8.2	54
27	Regulation of mTOR by Polycystin-1: is Polycystic Kidney Disease a Case of Futile Repair?. Cell Cycle, 2006, 5, 2425-2429.	2.6	52
28	Regulation of STATs by polycystin-1 and their role in polycystic kidney disease. Jak-stat, 2013, 2, e23650.	2.2	50
29	Bacteriaâ€generated PtdIns(3)<i>P </i>Recruits VAMP8 to Facilitate Phagocytosis. Traffic, 2007, 8, 1365-1374.	2.7	48
30	Third-Hit Signaling in Renal Cyst Formation. Journal of the American Society of Nephrology: JASN, 2011, 22, 793-795.	6.1	42
31	Retinal pigment epithelial cells exhibit unique expression and localization of plasma membrane syntaxins which may contribute to their trafficking phenotype. Journal of Cell Science, 2002, 115, 4545-4553.	2.0	30
32	Topology of CNS Myelin Proteolipid Protein: Evidence for the Nonenzymic Glycosylation of Extracytoplasmic Domains in Normal and Diabetic Animals. Biochemistry, 1994, 33, 10408-10415.	2.5	29
33	Basolateral Sorting of Syntaxin 4 Is Dependent on Its N-terminal Domain and the AP1B Clathrin Adaptor, and Required for the Epithelial Cell Polarity. PLoS ONE, 2011, 6, e21181.	2.5	29
34	Matrix Metalloproteinase Activity in Urine of Patients with Renal Cell Carcinoma Leads to Degradation of Extracellular Matrix proteins: possible use as a Screening Assay. Journal of Urology, 2003, 169, 1530-1534.	0.4	28
35	Monoubiquitination of syntaxin 3 leads to retrieval from the basolateral plasma membrane and facilitates cargo recruitment to exosomes. Molecular Biology of the Cell, 2017, 28, 2843-2853.	2.1	28
36	Emerging targeted strategies for the treatment of autosomal dominant polycystic kidney disease. CKJ: Clinical Kidney Journal, 2018, 11, i27-i38.	2.9	28

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37	Bicc1 Polymerization Regulates the Localization and Silencing of Bound mRNA. Molecular and Cellular Biology, 2015, 35, 3339-3353.	2.3	27
38	STAT3 signaling in polycystic kidney disease. Drug Discovery Today Disease Mechanisms, 2013, 10, e113-e118.	0.8	26
39	Comparison of folate-conjugated rapamycin versus unconjugated rapamycin in an orthologous mouse model of polycystic kidney disease. American Journal of Physiology - Renal Physiology, 2018, 315, F395-F405.	2.7	24
40	A Point Mutation at the X-Chromosomal Proteolipid Protein Locus in Pelizaeus-Merzbacher Disease Leads to Disruption of Myelinogenesis. Biological Chemistry Hoppe-Seyler, 1990, 371, 1175-1184.	1.4	23
41	Ketogenic dietary interventions in autosomal dominant polycystic kidney diseaseâ€"a retrospective case series study: first insights into feasibility, safety and effects. CKJ: Clinical Kidney Journal, 2022, 15, 1079-1092.	2.9	23
42	Establishing a Core Outcome Set for Autosomal Dominant Polycystic Kidney Disease: Report of the Standardized Outcomes in Nephrologyâ€"Polycystic Kidney Disease (SONG-PKD) Consensus Workshop. American Journal of Kidney Diseases, 2021, 77, 255-263.	1.9	21
43	Syntaxin specificity of aquaporins in the inner medullary collecting duct. American Journal of Physiology - Renal Physiology, 2009, 297, F292-F300.	2.7	20
44	The SNARE Protein Syntaxin 3 Confers Specificity for Polarized Axonal Trafficking in Neurons. PLoS ONE, 2016, 11, e0163671.	2.5	18
45	SNAREs and epithelial cells. Methods, 2003, 30, 191-197.	3.8	17
46	Exploitation of the Polymeric Immunoglobulin Receptor for Antibody Targeting to Renal Cyst Lumens in Polycystic Kidney Disease. Journal of Biological Chemistry, 2015, 290, 15679-15686.	3.4	17
47	Regulation of Polycystin-1 Function by Calmodulin Binding. PLoS ONE, 2016, 11, e0161525.	2.5	17
48	STAT signaling in polycystic kidney disease. Cellular Signalling, 2020, 72, 109639.	3.6	17
49	Identification of targets of IL-13 and STAT6 signaling in polycystic kidney disease. American Journal of Physiology - Renal Physiology, 2018, 315, F86-F96.	2.7	15
50	Soluble syntaxin 3 functions as a transcriptional regulator. Journal of Biological Chemistry, 2018, 293, 5478-5491.	3.4	14
51	Rapamycinâ€mediated suppression of renal cyst expansion in del34 <i>Pkd1^{âˆ'/âˆ'}</i> mutant mouse embryos: An investigation of the feasibility of renal cyst prevention in the foetus. Nephrology, 2012, 17, 739-747.	1.6	12
52	Ren.Nu, a Dietary Program for Individuals with Autosomal-Dominant Polycystic Kidney Disease Implementing a Sustainable, Plant-Focused, Kidney-Safe, Ketogenic Approach with Avoidance of Renal Stressors. Kidney and Dialysis, 2022, 2, 183-203.	1.0	11
53	The carboxyâ€terminus of the human ARPKD protein fibrocystin can control STAT3 signalling by regulating SRCâ€activation. Journal of Cellular and Molecular Medicine, 2020, 24, 14633-14638.	3.6	10
54	Image Segmentation, Registration and Visualization of Serial MR Images for Therapeutic Assessment of Polycystic Kidney Disease in Transgenic Mice. , 2005, 2006, 467-9.		7

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55	A dual tyrosine-leucine motif mediates myelin protein P0 targeting in MDCK cells. Glia, 2006, 54, 135-145.	4.9	7
56	Are Cyst-Associated Macrophages in Polycystic Kidney Disease the Equivalent to TAMs in Cancer?. Journal of the American Society of Nephrology: JASN, 2018, 29, 2447-2448.	6.1	7
57	Differing effects of microtubule depolymerizing and stabilizing chemotherapeutic agents on t-SNAREâ€“mediated apical targeting of prostate-specific membrane antigen. Molecular Cancer Therapeutics, 2006, 5, 2468-2473.	4.1	5
58	Casein kinase 1Îµ and 1Î± as novel players in polycystic kidney disease and mechanistic targets for (R)-roscovitine and (S)-CR8. American Journal of Physiology - Renal Physiology, 2018, 315, F57-F73.	2.7	4
59	The Habc domain of syntaxin 3 is a ubiquitin binding domain. Scientific Reports, 2020, 10, 21350.	3.3	3
60	Regulation of nuclear functions â€“ nucleocytoplasmic transport in context. European Journal of Cell Biology, 2004, 83, 185-192.	3.6	2
61	Pharmacological Effects of Panduratin A on Renal Cyst Development in In Vitro and In Vivo Models of Polycystic Kidney Disease. International Journal of Molecular Sciences, 2022, 23, 4328.	4.1	2
62	MO016: Feasibility and Effectiveness of Short-Term Ketogenic Interventions in Autosomal Dominant Polycystic Kidney Disease (ADPKD): Results from the Reset-Pkd Study. Nephrology Dialysis Transplantation, 2022, 37, .	0.7	1
63	Tracking Endocytosis and Intracellular Trafficking of Epitope-tagged Syntaxin 3 by Antibody Feeding in Live, Polarized MDCK Cells. Bio-protocol, 2018, 8, .	0.4	0