

Thomas Weimbs

List of Publications by Year in descending order

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63
papers

4,749
citations

159358

30
h-index

128067

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. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , 2006, 103, 5466-5471.	3.3	715
2	Polycystin-1, STAT6, and P100 Function in a Pathway that Transduces Ciliary Mechanosensation and Is Activated in Polycystic Kidney Disease. <i>Developmental Cell</i> , 2006, 10, 57-69.	3.1	325
3	A conserved domain is present in different families of vesicular fusion proteins: A new superfamily. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , 1997, 94, 3046-3051.	3.3	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. <i>Biochemistry</i> , 1992, 31, 12289-12296.	1.2	231
5	Rapamycin Ameliorates PKD Resulting from Conditional Inactivation of Pkd1. <i>Journal of the American Society of Nephrology: JASN</i> , 2010, 21, 489-497.	3.0	226
6	Three-dimensional analysis of post-Golgi carrier exocytosis in epithelial cells. <i>Nature Cell Biology</i> , 2003, 5, 126-136.	4.6	215
7	Polarity Proteins Control Ciliogenesis via Kinesin Motor Interactions. <i>Current Biology</i> , 2004, 14, 1451-1461.	1.8	192
8	Syntaxin 2 and Endobrevin Are Required for the Terminal Step of Cytokinesis in Mammalian Cells. <i>Developmental Cell</i> , 2003, 4, 753-759.	3.1	175
9	The SNARE Machinery Is Involved in Apical Plasma Membrane Trafficking in MDCK Cells. <i>Journal of Cell Biology</i> , 1998, 141, 1503-1513.	2.3	169
10	A model for structural similarity between different SNARE complexes based on sequence relationships. <i>Trends in Cell Biology</i> , 1998, 8, 260-262.	3.6	142
11	Ketosis Ameliorates Renal Cyst Growth in Polycystic Kidney Disease. <i>Cell Metabolism</i> , 2019, 30, 1007-1023.e5.	7.2	137
12	Polycystin-1 regulates STAT activity by a dual mechanism. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , 2011, 108, 7985-7990.	3.3	125
13	Apical targeting in polarized epithelial cells: There's more afloat than rafts. <i>Trends in Cell Biology</i> , 1997, 7, 393-399.	3.6	117
14	Polycystic kidney disease and renal injury repair: common pathways, fluid flow, and the function of polycystin-1. <i>American Journal of Physiology - Renal Physiology</i> , 2007, 293, F1423-F1432.	1.3	100
15	Targeting of SNAP-23 and SNAP-25 in Polarized Epithelial Cells. <i>Journal of Biological Chemistry</i> , 1998, 273, 3422-3430.	1.6	98
16	Folate-Conjugated Rapamycin Slows Progression of Polycystic Kidney Disease. <i>Journal of the American Society of Nephrology: JASN</i> , 2012, 23, 1674-1681.	3.0	89
17	Prospects for mTOR Inhibitor Use in Patients with Polycystic Kidney Disease and Hamartomatous Diseases. <i>Clinical Journal of the American Society of Nephrology: CJASN</i> , 2010, 5, 1312-1329.	2.2	85
18	Direct Interaction between Rab3b and the Polymeric Immunoglobulin Receptor Controls Ligand-Stimulated Transcytosis in Epithelial Cells. <i>Developmental Cell</i> , 2002, 2, 219-228.	3.1	82

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19	Apical targeting of syntaxin 3 is essential for epithelial cell polarity. <i>Journal of Cell Biology</i> , 2006, 173, 937-948.	2.3	82
20	A mild reduction of food intake slows disease progression in an orthologous mouse model of polycystic kidney disease. <i>American Journal of Physiology - Renal Physiology</i> , 2016, 310, F726-F731.	1.3	79
21	SNARE expression and localization in renal epithelial cells suggest mechanism for variability of trafficking phenotypes. <i>American Journal of Physiology - Renal Physiology</i> , 2002, 283, F1111-F1122.	1.3	72
22	Syntaxins 3 and 4 Are Concentrated in Separate Clusters on the Plasma Membrane before the Establishment of Cell Polarity. <i>Molecular Biology of the Cell</i> , 2006, 17, 977-989.	0.9	72
23	Signal transducer and activator of transcription-6 (STAT6) inhibition suppresses renal cyst growth in polycystic kidney disease. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , 2011, 108, 18067-18072.	3.3	70
24	The Cleaved Cytoplasmic Tail of Polycystin-1 Regulates Src-Dependent STAT3 Activation. <i>Journal of the American Society of Nephrology: JASN</i> , 2014, 25, 1737-1748.	3.0	61
25	Intracellular Redirection of Plasma Membrane Trafficking after Loss of Epithelial Cell Polarity. <i>Molecular Biology of the Cell</i> , 2000, 11, 3045-3060.	0.9	55
26	Crystal deposition triggers tubule dilation that accelerates cystogenesis in polycystic kidney disease. <i>Journal of Clinical Investigation</i> , 2019, 129, 4506-4522.	3.9	54
27	Regulation of mTOR by Polycystin-1: is Polycystic Kidney Disease a Case of Futile Repair?. <i>Cell Cycle</i> , 2006, 5, 2425-2429.	1.3	52
28	Regulation of STATs by polycystin-1 and their role in polycystic kidney disease. <i>Jak-stat</i> , 2013, 2, e23650.	2.2	50
29	Bacteria-generated PtdIns(3)P Recruits VAMP8 to Facilitate Phagocytosis. <i>Traffic</i> , 2007, 8, 1365-1374.	1.3	48
30	Third-Hit Signaling in Renal Cyst Formation. <i>Journal of the American Society of Nephrology: JASN</i> , 2011, 22, 793-795.	3.0	42
31	Retinal pigment epithelial cells exhibit unique expression and localization of plasma membrane syntaxins which may contribute to their trafficking phenotype. <i>Journal of Cell Science</i> , 2002, 115, 4545-4553.	1.2	30
32	Topology of CNS Myelin Proteolipid Protein: Evidence for the Nonenzymic Glycosylation of Extracytoplasmic Domains in Normal and Diabetic Animals. <i>Biochemistry</i> , 1994, 33, 10408-10415.	1.2	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. <i>PLoS ONE</i> , 2011, 6, e21181.	1.1	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. <i>Journal of Urology</i> , 2003, 169, 1530-1534.	0.2	28
35	Monoubiquitination of syntaxin 3 leads to retrieval from the basolateral plasma membrane and facilitates cargo recruitment to exosomes. <i>Molecular Biology of the Cell</i> , 2017, 28, 2843-2853.	0.9	28
36	Emerging targeted strategies for the treatment of autosomal dominant polycystic kidney disease. <i>CKJ: Clinical Kidney Journal</i> , 2018, 11, i27-i38.	1.4	28

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37	Bicc1 Polymerization Regulates the Localization and Silencing of Bound mRNA. <i>Molecular and Cellular Biology</i> , 2015, 35, 3339-3353.	1.1	27
38	STAT3 signaling in polycystic kidney disease. <i>Drug Discovery Today Disease Mechanisms</i> , 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. <i>American Journal of Physiology - Renal Physiology</i> , 2018, 315, F395-F405.	1.3	24
40	A Point Mutation at the X-Chromosomal Proteolipid Protein Locus in Pelizaeus-Merzbacher Disease Leads to Disruption of Myelinogenesis. <i>Biological Chemistry Hoppe-Seyler</i> , 1990, 371, 1175-1184.	1.4	23
41	Ketogenic dietary interventions in autosomal dominant polycystic kidney disease—a retrospective case series study: first insights into feasibility, safety and effects. <i>CKJ: Clinical Kidney Journal</i> , 2022, 15, 1079-1092.	1.4	23
42	Establishing a Core Outcome Set for Autosomal Dominant Polycystic Kidney Disease: Report of the Standardized Outcomes in Nephrology—Polycystic Kidney Disease (SONG-PKD) Consensus Workshop. <i>American Journal of Kidney Diseases</i> , 2021, 77, 255-263.	2.1	21
43	Syntaxin specificity of aquaporins in the inner medullary collecting duct. <i>American Journal of Physiology - Renal Physiology</i> , 2009, 297, F292-F300.	1.3	20
44	The SNARE Protein Syntaxin 3 Confers Specificity for Polarized Axonal Trafficking in Neurons. <i>PLoS ONE</i> , 2016, 11, e0163671.	1.1	18
45	SNAREs and epithelial cells. <i>Methods</i> , 2003, 30, 191-197.	1.9	17
46	Exploitation of the Polymeric Immunoglobulin Receptor for Antibody Targeting to Renal Cyst Lumens in Polycystic Kidney Disease. <i>Journal of Biological Chemistry</i> , 2015, 290, 15679-15686.	1.6	17
47	Regulation of Polycystin-1 Function by Calmodulin Binding. <i>PLoS ONE</i> , 2016, 11, e0161525.	1.1	17
48	STAT signaling in polycystic kidney disease. <i>Cellular Signalling</i> , 2020, 72, 109639.	1.7	17
49	Identification of targets of IL-13 and STAT6 signaling in polycystic kidney disease. <i>American Journal of Physiology - Renal Physiology</i> , 2018, 315, F86-F96.	1.3	15
50	Soluble syntaxin 3 functions as a transcriptional regulator. <i>Journal of Biological Chemistry</i> , 2018, 293, 5478-5491.	1.6	14
51	Rapamycin-mediated suppression of renal cyst expansion in <i>del34 Pkd1</i> mutant mouse embryos: An investigation of the feasibility of renal cyst prevention in the foetus. <i>Nephrology</i> , 2012, 17, 739-747.	0.7	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. <i>Kidney and Dialysis</i> , 2022, 2, 183-203.	0.5	11
53	The carboxy-terminus of the human ARPKD protein fibrocystin can control STAT3 signalling by regulating SRC-activation. <i>Journal of Cellular and Molecular Medicine</i> , 2020, 24, 14633-14638.	1.6	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. <i>Glia</i> , 2006, 54, 135-145.	2.5	7
56	Are Cyst-Associated Macrophages in Polycystic Kidney Disease the Equivalent to TAMs in Cancer?. <i>Journal of the American Society of Nephrology: JASN</i> , 2018, 29, 2447-2448.	3.0	7
57	Differing effects of microtubule depolymerizing and stabilizing chemotherapeutic agents on t-SNARE-mediated apical targeting of prostate-specific membrane antigen. <i>Molecular Cancer Therapeutics</i> , 2006, 5, 2468-2473.	1.9	5
58	Casein kinase 1 μ and 1 δ as novel players in polycystic kidney disease and mechanistic targets for (R)-roscovitine and (S)-CR8. <i>American Journal of Physiology - Renal Physiology</i> , 2018, 315, F57-F73.	1.3	4
59	The Habc domain of syntaxin 3 is a ubiquitin binding domain. <i>Scientific Reports</i> , 2020, 10, 21350.	1.6	3
60	Regulation of nuclear functions of nucleocytoplasmic transport in context. <i>European Journal of Cell Biology</i> , 2004, 83, 185-192.	1.6	2
61	Pharmacological Effects of Panduratin A on Renal Cyst Development in In Vitro and In Vivo Models of Polycystic Kidney Disease. <i>International Journal of Molecular Sciences</i> , 2022, 23, 4328.	1.8	2
62	MO016: Feasibility and Effectiveness of Short-Term Ketogenic Interventions in Autosomal Dominant Polycystic Kidney Disease (ADPKD): Results from the Reset-Pkd Study. <i>Nephrology Dialysis Transplantation</i> , 2022, 37, .	0.4	1
63	Tracking Endocytosis and Intracellular Trafficking of Epitope-tagged Syntaxin 3 by Antibody Feeding in Live, Polarized MDCK Cells. <i>Bio-protocol</i> , 2018, 8, .	0.2	0