Henrik Dimke

List of Publications by Year
in descending order

71 papers	2,042 citations	236925 25 h-index	276875 41 g-index
73 all docs	73 docs citations	73 times ranked	2722 citing authors

#	Article	IF	Citations
1	Single cell transcriptional and chromatin accessibility profiling redefine cellular heterogeneity in the adult human kidney. Nature Communications, 2021, 12, 2190.	12.8	218
2	Tubulovascular Cross-Talk by Vascular Endothelial Growth Factor A Maintains Peritubular Microvasculature in Kidney. Journal of the American Society of Nephrology: JASN, 2015, 26, 1027-1038.	6.1	127
3	Activation of the Ca²⁺-sensing receptor increases renal claudin-14 expression and urinary Ca²⁺ excretion. American Journal of Physiology - Renal Physiology, 2013, 304, F761-F769.	2.7	103
4	Molecular basis of epithelial Ca²⁺ and Mg²⁺ transport: insights from the TRP channel family. Journal of Physiology, 2011, 589, 1535-1542.	2.9	84
5	Effect of diuretics on renal tubular transport of calcium and magnesium. American Journal of Physiology - Renal Physiology, 2017, 312, F998-F1015.	2.7	66
6	Transcriptional regulation of Hepatic Stellate Cell activation in NASH. Scientific Reports, 2019, 9, 2324.	3.3	65
7	Testosterone increases urinary calcium excretion and inhibits expression of renal calcium transport proteins. Kidney International, 2010, 77, 601-608.	5.2	63
8	Acidosis and Urinary Calcium Excretion: Insights from Genetic Disorders. Journal of the American Society of Nephrology: JASN, 2016, 27, 3511-3520.	6.1	63
9	Transcriptional Dynamics of Hepatic Sinusoidâ€Associated Cells After Liver Injury. Hepatology, 2020, 72, 2119-2133.	7.3	62
10	Long-term aldosterone treatment induces decreased apical but increased basolateral expression of AQP2 in CCD of rat kidney. American Journal of Physiology - Renal Physiology, 2007, 293, F87-F99.	2.7	59
11	Crosstalk in glomerular injury and repair. Current Opinion in Nephrology and Hypertension, 2015, 24, 1.	2.0	55
12	Paracellular calcium transport across renal and intestinal epithelia. Biochemistry and Cell Biology, 2014, 92, 467-480.	2.0	53
13	Loss of the Podocyte-Expressed Transcription Factor Tcf21/Pod1 Results in Podocyte Differentiation Defects and FSGS. Journal of the American Society of Nephrology: JASN, 2014, 25, 2459-2470.	6.1	52
14	Hereditary tubular transport disorders: implications for renal handling of Ca2+ and Mg2+. Clinical Science, 2010, 118, 1-18.	4.3	51
15	Rapid Aldosterone-Mediated Signaling in the DCT Increases Activity of the Thiazide-Sensitive NaCl Cotransporter. Journal of the American Society of Nephrology: JASN, 2019, 30, 1454-1470.	6.1	49
16	Acute growth hormone administration induces antidiuretic and antinatriuretic effects and increases phosphorylation of NKCC2. American Journal of Physiology - Renal Physiology, 2007, 292, F723-F735.	2.7	47
17	Effects of the EGFR Inhibitor Erlotinib on Magnesium Handling. Journal of the American Society of Nephrology: JASN, 2010, 21, 1309-1316.	6.1	47
18	Proximal tubular NHEs: sodium, protons and calcium?. American Journal of Physiology - Renal Physiology, 2013, 305, F229-F236.	2.7	42

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19	Renal compensation to chronic hypoxic hypercapnia: downregulation of pendrin and adaptation of the proximal tubule. American Journal of Physiology - Renal Physiology, 2007, 292, F1256-F1266.	2.7	37
20	Autosomal Dominant Hypercalciuria in a Mouse Model Due to a Mutation of the Epithelial Calcium Channel, TRPV5. PLoS ONE, 2013, 8, e55412.	2.5	35
21	Ultrastructural and immunohistochemical localization of plasma membrane Ca²⁺-ATPase 4 in Ca²⁺-transporting epithelia. American Journal of Physiology - Renal Physiology, 2015, 309, F604-F616.	2.7	33
22	Claudin-12 Knockout Mice Demonstrate Reduced Proximal Tubule Calcium Permeability. International Journal of Molecular Sciences, 2020, 21, 2074.	4.1	31
23	Expression of transcellular and paracellular calcium and magnesium transport proteins in renal and intestinal epithelia during lactation. American Journal of Physiology - Renal Physiology, 2017, 313, F629-F640.	2.7	28
24	Novel molecular pathways in renal Mg2+ transport: a guided tour along the nephron. Current Opinion in Nephrology and Hypertension, 2010, 19, 456-462.	2.0	27
25	Evaluation of Hypomagnesemia: Lessons From Disorders of Tubular Transport. American Journal of Kidney Diseases, 2013, 62, 377-383.	1.9	27
26	Claudin-2 and claudin-12 form independent, complementary pores required to maintain calcium homeostasis. Proceedings of the National Academy of Sciences of the United States of America, 2021, 118, .	7.1	27
27	Activation of the calcium-sensing receptor attenuates TRPV6-dependent intestinal calcium absorption. JCI Insight, 2019, 4, .	5.0	25
28	A variant in a<i>cis</i>-regulatory element enhances claudin-14 expression and is associated with pediatric-onset hypercalciuria and kidney stones. Human Mutation, 2017, 38, 649-657.	2.5	24
29	Exploring the intricate regulatory network controlling the thiazide-sensitive NaCl cotransporter (NCC). Pflugers Archiv European Journal of Physiology, 2011, 462, 767-777.	2.8	22
30	In human nephrectomy specimens, the kidney level of tubular transport proteins does not correlate with their abundance in urinary extracellular vesicles. American Journal of Physiology - Renal Physiology, 2019, 317, F560-F571.	2.7	22
31	Î³-Adducin Stimulates the Thiazide-sensitive NaCl Cotransporter. Journal of the American Society of Nephrology: JASN, 2011, 22, 508-517.	6.1	21
32	TRPV6 and Cav1.3 Mediate Distal Small Intestine Calcium Absorption Before Weaning. Cellular and Molecular Gastroenterology and Hepatology, 2019, 8, 625-642.	4.5	21
33	Alternative splice variant of the thiazide-sensitive NaCl cotransporter: a novel player in renal salt handling. American Journal of Physiology - Renal Physiology, 2016, 310, F204-F216.	2.7	20
34	Axial and cellular heterogeneity in electrolyte transport pathways along the thick ascending limb. Acta Physiologica, 2018, 223, e13057.	3.8	20
35	Acute and chronic effects of growth hormone on renal regulation of electrolyte and water homeostasis. Growth Hormone and IGF Research, 2007, 17, 353-368.	1.1	18
36	High dietary potassium causes ubiquitin-dependent degradation of the kidney sodium-chloride cotransporter. Journal of Biological Chemistry, 2021, 297, 100915.	3.4	18

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37	Localization and regulation of claudin-14 in experimental models of hypercalcemia. American Journal of Physiology - Renal Physiology, 2021, 320, F74-F86.	2.7	17
38	Endothelial mineralocorticoid receptor ablation does not alter blood pressure, kidney function or renal vessel contractility. PLoS ONE, 2018, 13, e0193032.	2.5	16
39	H⁺-ATPase B1 subunit localizes to thick ascending limb and distal convoluted tubule of rodent and human kidney. American Journal of Physiology - Renal Physiology, 2018, 315, F429-F444.	2.7	15
40	Calcitonin-stimulated renal Ca2+ reabsorption occurs independently of TRPV5. Nephrology Dialysis Transplantation, 2010, 25, 1428-1435.	0.7	14
41	Deficiency of Carbonic Anhydrase II Results in a Urinary Concentrating Defect. Frontiers in Physiology, 2017, 8, 1108.	2.8	14
42	Mechanisms Underlying Calcium Nephrolithiasis. Annual Review of Physiology, 2022, 84, 559-583.	13.1	14
43	A single simple procedure for dewaxing, hydration and heat-induced epitope retrieval (HIER) for immunohistochemistry in formalin fixed paraffin-embedded tissue. European Journal of Histochemistry, 2015, 59, 2532.	1.5	13
44	Risk of Urolithiasis in Patients With Inflammatory Bowel Disease: A Nationwide Danish Cohort Study 1977â€“2018. Clinical Gastroenterology and Hepatology, 2021, 19, 2532-2540.e2.	4.4	13
45	Effects of phospho- and calciotropic hormones on electrolyte transport in the proximal tubule. F1000Research, 2017, 6, 1797.	1.6	13
46	Tissue transglutaminase inhibits the TRPV5-dependent calcium transport in an N-glycosylation-dependent manner. Cellular and Molecular Life Sciences, 2012, 69, 981-992.	5.4	11
47	Differential localization patterns of claudin 10, 16, and 19 in human, mouse, and rat renal tubular epithelia. American Journal of Physiology - Renal Physiology, 2021, 321, F207-F224.	2.7	11
48	Ankyrin-3 is a novel binding partner of the voltage-gated potassium channel Kv1.1 implicated in renal magnesium handling. Kidney International, 2014, 85, 94-102.	5.2	10
49	The kidney anion exchanger 1 affects tight junction properties via claudin-4. Scientific Reports, 2019, 9, 3099.	3.3	10
50	A new transgene mouse model using an extravesicular EGFP tag enables affinity isolation of cell-specific extracellular vesicles. Scientific Reports, 2022, 12, 496.	3.3	10
51	The contribution of regulated colonic calcium absorption to the maintenance of calcium homeostasis. Journal of Steroid Biochemistry and Molecular Biology, 2022, 220, 106098.	2.5	10
52	Phenol-chloroform-based RNA purification for detection of SARS-CoV-2 by RT-qPCR: Comparison with automated systems. PLoS ONE, 2021, 16, e0247524.	2.5	8
53	Renal claudin-14 expression is not required for regulating Mg²⁺ balance in mice. American Journal of Physiology - Renal Physiology, 2021, 320, F897-F907.	2.7	8
54	Gentamicin Inhibits Ca2+ Channel TRPV5 and Induces Calciuresis Independent of the Calcium-Sensing Receptorâ€“Claudin-14 Pathway. Journal of the American Society of Nephrology: JASN, 2022, 33, 547-564.	6.1	8

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55	Untargeted Metabolomics Analysis of ABCC6-Deficient Mice Discloses an Altered Metabolic Liver Profile. Journal of Proteome Research, 2016, 15, 4591-4600.	3.7	7
56	The role of calcium-sensing receptor signaling in regulating transepithelial calcium transport. Experimental Biology and Medicine, 2021, 246, 2407-2419.	2.4	7
57	Activation of the calcium sensing receptor increases claudinâ€14 expression via a PLC â€p38â€Sp1 pathway. FASEB Journal, 2021, 35, e21982.	0.5	7
58	A bacterial display system for effective selection of protein-biotin ligase BirA variants with novel peptide specificity. Scientific Reports, 2019, 9, 4118.	3.3	6
59	Hydronephrosis is associated with elevated plasmin in urine in pediatric patients and rats and changes in NCC and Î³-ENaC abundance in rat kidney. American Journal of Physiology - Renal Physiology, 2018, 315, F547-F557.	2.7	5
60	Detection of DZIP1L mutations by whole-exome sequencing in consanguineous families with polycystic kidney disease. Pediatric Nephrology, 2022, 37, 2657-2665.	1.7	5
61	Opposing effects of NaCl restriction and carbohydrate loading on urine volume in diabetic rats. Acta Physiologica, 2011, 202, 47-57.	3.8	4
62	Aquaporin Water Channels in Mammalian Kidney. , 2013, , 1405-1439.		4
63	Nephrotic syndrome is associated with increased plasma K⁺concentration, intestinal K⁺losses, and attenuated urinary K⁺excretion: a study in rats and humans. American Journal of Physiology - Renal Physiology, 2019, 317, F1549-F1562.	2.7	4
64	Most scientists prefer small and mid-sized research grants. Nature Human Behaviour, 2019, 3, 765-767.	12.0	4
65	Differential parathyroid and kidney Ca2+-sensing receptor activation in autosomal dominant hypocalcemia 1. EBioMedicine, 2022, 78, 103947.	6.1	4
66	G proteinâ€“coupled pH-sensing receptor OGR1 and metabolic acidosisâ€“induced hypercalciuria. Kidney International, 2020, 97, 852-854.	5.2	3
67	Aquaporin Water Channels in Mammalian Kidney. , 2008, , 1095-1121.		1
68	Endothelial mineralocorticoid receptor ablation confers protection towards endothelial dysfunction in experimental diabetes in mice. Acta Physiologica, 2021, , e13731.	3.8	1
69	Bacterial Peptide Display for the Selection of Novel Biotinylating Enzymes. Journal of Visualized Experiments, 2019, , .	0.3	0
70	Restriction of dietary NaCl decreases urinary output in diabetic rats. FASEB Journal, 2009, 23, 971.11.	0.5	0
71	Sorting out the rapid renal response to an oral phosphate load. Acta Physiologica, 2022, 235, e13824.	3.8	0