

# Henrik Dimke

## List of Publications by Year in descending order

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Version: 2024-02-01

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	Mechanisms Underlying Calcium Nephrolithiasis. Annual Review of Physiology, 2022, 84, 559-583.	13.1	14
2	Gentamicin Inhibits Ca <sup>2+</sup> 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
3	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
4	Detection of DZIP1L mutations by whole-exome sequencing in consanguineous families with polycystic kidney disease. Pediatric Nephrology, 2022, 37, 2657-2665.	1.7	5
5	Differential parathyroid and kidney Ca <sup>2+</sup> -sensing receptor activation in autosomal dominant hypocalcemia 1. EBioMedicine, 2022, 78, 103947.	6.1	4
6	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
7	Sorting out the rapid renal response to an oral phosphate load. Acta Physiologica, 2022, 235, e13824.	3.8	0
8	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
9	Localization and regulation of claudin-14 in experimental models of hypercalcemia. American Journal of Physiology - Renal Physiology, 2021, 320, F74-F86.	2.7	17
10	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
11	The role of calcium-sensing receptor signaling in regulating transepithelial calcium transport. Experimental Biology and Medicine, 2021, 246, 2407-2419.	2.4	7
12	Single cell transcriptional and chromatin accessibility profiling redefine cellular heterogeneity in the adult human kidney. Nature Communications, 2021, 12, 2190.	12.8	218
13	Renal claudin-14 expression is not required for regulating Mg <sup>2+</sup> balance in mice. American Journal of Physiology - Renal Physiology, 2021, 320, F897-F907.	2.7	8
14	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
15	High dietary potassium causes ubiquitin-dependent degradation of the kidney sodium-chloride cotransporter. Journal of Biological Chemistry, 2021, 297, 100915.	3.4	18
16	Endothelial mineralocorticoid receptor ablation confers protection towards endothelial dysfunction in experimental diabetes in mice. Acta Physiologica, 2021, , e13731.	3.8	1
17	Activation of the calcium sensing receptor increases claudinâ€™14 expression via a PLC â€™38â€™Sp1 pathway. FASEB Journal, 2021, 35, e21982.	0.5	7
18	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

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19	G protein-coupled pH-sensing receptor OGR1 and metabolic acidosis-induced hypercalciuria. <i>Kidney International</i> , 2020, 97, 852-854.	5.2	3
20	Transcriptional Dynamics of Hepatic Sinusoid-Associated Cells After Liver Injury. <i>Hepatology</i> , 2020, 72, 2119-2133.	7.3	62
21	Claudin-12 Knockout Mice Demonstrate Reduced Proximal Tubule Calcium Permeability. <i>International Journal of Molecular Sciences</i> , 2020, 21, 2074.	4.1	31
22	In human nephrectomy specimens, the kidney level of tubular transport proteins does not correlate with their abundance in urinary extracellular vesicles. <i>American Journal of Physiology - Renal Physiology</i> , 2019, 317, F560-F571.	2.7	22
23	Rapid Aldosterone-Mediated Signaling in the DCT Increases Activity of the Thiazide-Sensitive NaCl Cotransporter. <i>Journal of the American Society of Nephrology: JASN</i> , 2019, 30, 1454-1470.	6.1	49
24	Nephrotic syndrome is associated with increased plasma K <sup>+</sup> concentration, intestinal K <sup>+</sup> losses, and attenuated urinary K <sup>+</sup> excretion: a study in rats and humans. <i>American Journal of Physiology - Renal Physiology</i> , 2019, 317, F1549-F1562.	2.7	4
25	Bacterial Peptide Display for the Selection of Novel Biotinylating Enzymes. <i>Journal of Visualized Experiments</i> , 2019, , .	0.3	0
26	TRPV6 and Cav1.3 Mediate Distal Small Intestine Calcium Absorption Before Weaning. <i>Cellular and Molecular Gastroenterology and Hepatology</i> , 2019, 8, 625-642.	4.5	21
27	Most scientists prefer small and mid-sized research grants. <i>Nature Human Behaviour</i> , 2019, 3, 765-767.	12.0	4
28	A bacterial display system for effective selection of protein-biotin ligase BirA variants with novel peptide specificity. <i>Scientific Reports</i> , 2019, 9, 4118.	3.3	6
29	Transcriptional regulation of Hepatic Stellate Cell activation in NASH. <i>Scientific Reports</i> , 2019, 9, 2324.	3.3	65
30	The kidney anion exchanger 1 affects tight junction properties via claudin-4. <i>Scientific Reports</i> , 2019, 9, 3099.	3.3	10
31	Activation of the calcium-sensing receptor attenuates TRPV6-dependent intestinal calcium absorption. <i>JCI Insight</i> , 2019, 4, .	5.0	25
32	Axial and cellular heterogeneity in electrolyte transport pathways along the thick ascending limb. <i>Acta Physiologica</i> , 2018, 223, e13057.	3.8	20
33	Hydronephrosis is associated with elevated plasmin in urine in pediatric patients and rats and changes in NCC and $\text{I}^3\text{-ENaC}$ abundance in rat kidney. <i>American Journal of Physiology - Renal Physiology</i> , 2018, 315, F547-F557.	2.7	5
34	H <sup>+</sup> -ATPase B1 subunit localizes to thick ascending limb and distal convoluted tubule of rodent and human kidney. <i>American Journal of Physiology - Renal Physiology</i> , 2018, 315, F429-F444.	2.7	15
35	Endothelial mineralocorticoid receptor ablation does not alter blood pressure, kidney function or renal vessel contractility. <i>PLoS ONE</i> , 2018, 13, e0193032.	2.5	16
36	A variant in a <i>cis</i> -regulatory element enhances claudin-14 expression and is associated with pediatric-onset hypercalciuria and kidney stones. <i>Human Mutation</i> , 2017, 38, 649-657.	2.5	24

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37	Effect of diuretics on renal tubular transport of calcium and magnesium. American Journal of Physiology - Renal Physiology, 2017, 312, F998-F1015.	2.7	66
38	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
39	Deficiency of Carbonic Anhydrase II Results in a Urinary Concentrating Defect. Frontiers in Physiology, 2017, 8, 1108.	2.8	14
40	Effects of phospho- and calcitropic hormones on electrolyte transport in the proximal tubule. F1000Research, 2017, 6, 1797.	1.6	13
41	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
42	Acidosis and Urinary Calcium Excretion: Insights from Genetic Disorders. Journal of the American Society of Nephrology: JASN, 2016, 27, 3511-3520.	6.1	63
43	Untargeted Metabolomics Analysis of ABCC6-Deficient Mice Discloses an Altered Metabolic Liver Profile. Journal of Proteome Research, 2016, 15, 4591-4600.	3.7	7
44	Crosstalk in glomerular injury and repair. Current Opinion in Nephrology and Hypertension, 2015, 24, 1.	2.0	55
45	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
46	Ultrastructural and immunohistochemical localization of plasma membrane Ca <sup>2+</sup> -ATPase 4 in Ca <sup>2+</sup> -transporting epithelia. American Journal of Physiology - Renal Physiology, 2015, 309, F604-F616.	2.7	33
47	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
48	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
49	Paracellular calcium transport across renal and intestinal epithelia. Biochemistry and Cell Biology, 2014, 92, 467-480.	2.0	53
50	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
51	Evaluation of Hypomagnesemia: Lessons From Disorders of Tubular Transport. American Journal of Kidney Diseases, 2013, 62, 377-383.	1.9	27
52	Aquaporin Water Channels in Mammalian Kidney. , 2013, , 1405-1439.		4
53	Proximal tubular NHEs: sodium, protons and calcium?. American Journal of Physiology - Renal Physiology, 2013, 305, F229-F236.	2.7	42
54	Activation of the Ca <sup>2+</sup> -sensing receptor increases renal claudin-14 expression and urinary Ca <sup>2+</sup> excretion. American Journal of Physiology - Renal Physiology, 2013, 304, F761-F769.	2.7	103

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55	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
56	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
57	Opposing effects of NaCl restriction and carbohydrate loading on urine volume in diabetic rats. Acta Physiologica, 2011, 202, 47-57.	3.8	4
58	Molecular basis of epithelial Ca <sup>2+</sup> and Mg <sup>2+</sup> transport: insights from the TRP channel family. Journal of Physiology, 2011, 589, 1535-1542.	2.9	84
59	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
60	β-Adducin Stimulates the Thiazide-sensitive NaCl Cotransporter. Journal of the American Society of Nephrology: JASN, 2011, 22, 508-517.	6.1	21
61	Novel molecular pathways in renal Mg <sup>2+</sup> transport: a guided tour along the nephron. Current Opinion in Nephrology and Hypertension, 2010, 19, 456-462.	2.0	27
62	Hereditary tubular transport disorders: implications for renal handling of Ca <sup>2+</sup> and Mg <sup>2+</sup> . Clinical Science, 2010, 118, 1-18.	4.3	51
63	Effects of the EGFR Inhibitor Erlotinib on Magnesium Handling. Journal of the American Society of Nephrology: JASN, 2010, 21, 1309-1316.	6.1	47
64	Calcitonin-stimulated renal Ca <sup>2+</sup> reabsorption occurs independently of TRPV5. Nephrology Dialysis Transplantation, 2010, 25, 1428-1435.	0.7	14
65	Testosterone increases urinary calcium excretion and inhibits expression of renal calcium transport proteins. Kidney International, 2010, 77, 601-608.	5.2	63
66	Restriction of dietary NaCl decreases urinary output in diabetic rats. FASEB Journal, 2009, 23, 971.11.	0.5	0
67	Aquaporin Water Channels in Mammalian Kidney. , 2008, , 1095-1121.		1
68	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
69	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
70	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
71	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