Ulrich Hopfer

List of Publications by Year
in descending order

86	3,880	117625	123424
papers	citations	34 h-index	61 g-index

86	86	86	2455
all docs	docs citations	times ranked	citing authors

#	Article	IF	Citations
1	Glucose Transport in Isolated Brush Border Membrane from Rat Small Intestine. Journal of Biological Chemistry, 1973, 248, 25-32.	3.4	792
2	Role of hypoxia-induced Bax translocation and cytochrome c release in reoxygenation injury. Oncogene, 1998, 17, 3401-3415.	5.9	299
3	Immortalization and characterization of proximal tubule cells derived from kidneys of spontaneously hypertensive and normotensive rats. Kidney International, 1996, 50, 125-134.	5.2	118
4	Activation of D ₃ Dopamine Receptor Decreases Angiotensin II Type 1 Receptor Expression in Rat Renal Proximal Tubule Cells. Circulation Research, 2006, 99, 494-500.	4.5	96
5	Differences in neutral amino acid and glucose transport between brush border and basolateral plasma membrane of intestinal epithelial cells. Journal of Cellular Physiology, 1976, 89, 805-810.	4.1	94
6	Dopamine1Receptor, GsÎ±, and Na+-H+Exchanger Interactions in the Kidney in Hypertension. Hypertension, 2000, 36, 395-399.	2.7	92
7	Perturbation of D 1 Dopamine and AT 1 Receptor Interaction in Spontaneously Hypertensive Rats. Hypertension, 2003, 42, 787-792.	2.7	92
8	Estrogen Acidifies Vaginal pH by Up-Regulation of Proton Secretion via the Apical Membrane of Vaginal-Ectocervical Epithelial Cells. Endocrinology, 2005, 146, 816-824.	2.8	87
9	Interaction of Angiotensin II Type 1 and D 5 Dopamine Receptors in Renal Proximal Tubule Cells. Hypertension, 2005, 45, 804-810.	2.7	83
10	Human uterine cervical epithelial cells grown on permeable support â€“ a new model for the study of differentiation. Differentiation, 1994, 56, 107-118.	1.9	80
11	Force-Response Considerations in Ciliary Mechanosensation. Biophysical Journal, 2007, 93, 1380-1390.	0.5	76
12	Kinetics of Na+-dependent D-glucose transport. Journal of Supramolecular Structure, 1977, 7, 1-13.	2.3	67
13	Identification of a renal cell line that constitutively expresses the kidneyâ€sp ecific highâ€affinity H + /peptide cotransporter. FASEB Journal, 1995, 9, 1489-1496.	0.5	67
14	Therapeutic concentrations of cyclosporine A, but not FK506, increase P-glycoprotein expression in endothelial and renal tubule cells. Kidney International, 1998, 54, 1139-1149.	5.2	66
15	Angiotensin II Regulation of AT ₁ and D ₃ Dopamine Receptors in Renal Proximal Tubule Cells of SHR. Hypertension, 2003, 41, 724-729.	2.7	65
16	Purification of brush border membrane by thiocyanate treatment. Analytical Biochemistry, 1983, 131, 447-452.	2.4	60
17	Vasopressin-induced membrane trafficking of TRPC3 and AQP2 channels in cells of the rat renal collecting duct. American Journal of Physiology - Renal Physiology, 2007, 293, F1476-F1488.	2.7	58
18	Angiotensin II AT2 receptor decreases AT1 receptor expression and function via nitric oxide/cGMP/Sp1 in renal proximal tubule cells from Wistarâ€“Kyoto rats. Journal of Hypertension, 2012, 30, 1176-1184.	0.5	58

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19	AT1 receptor-mediated uptake of angiotensin II and NHE-3 expression in proximal tubule cells through a microtubule-dependent endocytic pathway. American Journal of Physiology - Renal Physiology, 2009, 297, F1342-F1352.	2.7	55
20	Regulation of NHE3 activity by G protein subunits in renal brush-border membranes. American Journal of Physiology - Regulatory Integrative and Comparative Physiology, 2000, 278, R1064-R1073.	1.8	54
21	INDUCTION OF AMILORIDE-SENSITIVE SODIUM TRANSPORT IN THE INTESTINES BY ADRENAL STEROIDS. Annals of the New York Academy of Sciences, 1981, 372, 64-78.	3.8	50
22	Renal Protein Phosphatase 2A Activity and Spontaneous Hypertension in Rats. Hypertension, 2000, 36, 1053-1058.	2.7	47
23	Membrane Trafficking of Angiotensin Receptor Type-1 and Mechanochemical Signal Transduction in Proximal Tubule Cells. Hypertension, 2004, 44, 352-359.	2.7	44
24	Fibrocystin interacts with CAML, a protein involved in Ca2+ signaling. Biochemical and Biophysical Research Communications, 2005, 338, 880-889.	2.1	44
25	Over-expression of renal LAT1 and LAT2 and enhanced L-DOPA uptake in SHR immortalized renal proximal tubular cells. Kidney International, 2004, 66, 216-226.	5.2	42
26	Increased mitochondrial activity in renal proximal tubule cells from young spontaneously hypertensive rats. Kidney International, 2014, 85, 561-569.	5.2	42
27	ATP sensitive K+ conductance in pancreatic zymogen granules: Block by glyburide and activation by diazoxide. Journal of Membrane Biology, 1992, 129, 253-66.	2.1	40
28	GROWTH, IMMORTALIZATION, AND DIFFERENTIATION POTENTIAL OF NORMAL ADULT HUMAN PROXIMAL TUBULE CELLS. In Vitro Cellular and Developmental Biology - Animal, 2004, 40, 22.	1.5	40
29	Oxidative stress and the genomic regulation of aldosterone-stimulated NHE1 activity in SHR renal proximal tubular cells. Molecular and Cellular Biochemistry, 2008, 310, 191-201.	3.1	39
30	Dopamine D₃ receptorâ€mediated inhibition of Na⁺/H⁺ exchanger activity in normotensive and spontaneously hypertensive rat proximal tubular epithelial cells. British Journal of Pharmacology, 2004, 142, 1343-1353.	5.4	37
31	Development and characterization of rabbit proximal tubular epithelial cell lines. Kidney International, 1992, 42, 1130-1144.	5.2	36
32	GiÎ±3 protein-coupled dopamine D3 receptor-mediated inhibition of renal NHE3 activity in SHR proximal tubular cells is a PLC-PKC-mediated event. American Journal of Physiology - Renal Physiology, 2004, 287, F1059-F1066.	2.7	36
33	Renal D3 dopamine receptor stimulation induces natriuresis by endothelin B receptor interactions. Kidney International, 2008, 74, 750-759.	5.2	35
34	D ₁ -Like Receptors Regulate NADPH Oxidase Activity and Subunit Expression in Lipid Raft Microdomains of Renal Proximal Tubule Cells. Hypertension, 2009, 53, 1054-1061.	2.7	35
35	Signal transduction mediated by angiotensin II receptor subtypes expressed in rat renal mesangial cells. Regulatory Peptides, 1993, 44, 149-157.	1.9	34
36	Aldosterone stimulates surface expression of NHE3 in renal proximal brush borders. Pflugers Archiv European Journal of Physiology, 2003, 446, 492-496.	2.8	34

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37	Altered AT 1 Receptor Regulation of ETB Receptors in Renal Proximal Tubule Cells of Spontaneously Hypertensive Rats. Hypertension, 2005, 46, 926-931.	2.7	33
38	Rat Strain Effects of AT 1 Receptor Activation on D 1 Dopamine Receptors in Immortalized Renal Proximal Tubule Cells. Hypertension, 2005, 46, 799-805.	2.7	33
39	D ₃ Dopamine Receptor Directly Interacts With D ₁ Dopamine Receptor in Immortalized Renal Proximal Tubule Cells. Hypertension, 2006, 47, 573-579.	2.7	33
40	D3 Dopamine Receptor Regulation of ETB Receptors in Renal Proximal Tubule Cells From WKY and SHRs. American Journal of Hypertension, 2009, 22, 877-883.	2.0	32
41	Prion Protein Promotes Kidney Iron Uptake via Its Ferrireductase Activity. Journal of Biological Chemistry, 2015, 290, 5512-5522.	3.4	32
42	Regulation of chloride transport in parotid secretory granules by membrane fluidity. Biochemistry, 1990, 29, 7282-7288.	2.5	31
43	Pathophysiological Consequences of Changes in the Coupling Ratio of Na,K-ATPase for Renal Sodium Reabsorption and Its Implications for Hypertension. Hypertension, 1996, 27, 219-227.	2.7	31
44	Aberrant D ₁ and D ₃ Dopamine Receptor Transregulation in Hypertension. Hypertension, 2004, 43, 654-660.	2.7	30
45	Interferon-Î³ modulates cAMP-induced mucin exocytosis without affecting mucin gene expression in a human colonic goblet cell line. European Journal of Pharmacology, 1994, 267, 95-103.	2.6	29
46	Activation of MAPKs in Proximal Tubule Cells From Spontaneously Hypertensive and Control Wistar-Kyoto Rats. Hypertension, 2000, 35, 1160-1166.	2.7	28
47	Sodium Space and Intravascular Volume: Dietary Sodium Effects in Cystic Fibrosis and Healthy Adolescent Subjects. Pediatrics, 1998, 101, 48-56.	2.1	27
48	Comment on â€œLocal impermeant anions establish the neuronal chloride concentrationâ€• Science, 2014, 345, 1130-1130.	12.6	27
49	Characterization of Paracellular Permeability in Cultured Human Cervical Epithelium. Journal of the Society for Gynecologic Investigation, 1994, 1, 225-233.	1.7	26
50	Voltage and Cosubstrate Dependence of the Na-HCO3 Cotransporter Kinetics in Renal Proximal Tubule Cells. Biophysical Journal, 1998, 75, 810-824.	0.5	26
51	H ₂ O ₂ Stimulation of the Cl ^{â^'} /HCO ₃ ^{â^'} Exchanger by Angiotensin II and Angiotensin II Type 1 Receptor Distribution in Membrane Microdomains. Hypertension, 2008, 51, 1332-1338.	2.7	26
52	Angiotensin II Actions in the Rabbit Proximal Tubule. Kidney and Blood Pressure Research, 1991, 14, 199-207.	2.0	25
53	Effects of Advanced Glycation End Product Modification on Proximal Tubule Epithelial Cell Processing of Albumin. American Journal of Nephrology, 2008, 28, 14-24.	3.1	23
54	Mechanical stimulation of primary cilia. Frontiers in Bioscience - Landmark, 2008, 13, 1665.	3.0	23

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55	Purinergic receptor-induced changes in paracellular resistance across cultures of human cervical cells are mediated by two distinct cytosolic calcium-related mechanisms. Cell Biochemistry and Biophysics, 1998, 29, 281-306.	1.8	22
56	Aberrant ETB receptor regulation of AT1 receptors in immortalized renal proximal tubule cells of spontaneously hypertensive rats. Kidney International, 2005, 68, 623-631.	5.2	22
57	STRATEGY FOR THE DEVELOPMENT OF A MATCHED SET OF TRANSPORT-COMPETENT, ANGIOTENSIN RECEPTORâ€“DEFICIENT PROXIMAL TUBULE CELL LINES. In Vitro Cellular and Developmental Biology - Animal, 2006, 42, 189.	1.5	22
58	Polyethylene glycols as solvents in implantable osmotic pumps. Journal of Pharmaceutical Sciences, 1980, 69, 747-749.	3.3	19
59	Insulin Increases D5 Dopamine Receptor Expression and Function in Renal Proximal Tubule Cells From Wistar-Kyoto Rats. American Journal of Hypertension, 2009, 22, 770-776.	2.0	19
60	Effects of pH on Kinetic Parameters of the Na-HCO3 Cotransporter in Renal Proximal Tubule. Biophysical Journal, 1999, 76, 3066-3075.	0.5	17
61	Activity and Regulation of Na + -HCO 3 â^’ Cotransporter in Immortalized Spontaneously Hypertensive Rat and Wistarâ€“Kyoto Rat Proximal Tubular Epithelial Cells. Hypertension, 2007, 49, 1186-1193.	2.7	17
62	Kinetic Features of Cotransport Mechanisms Under Isotope Exchange Conditions. Membrane Biochemistry, 1981, 4, 11-29.	0.6	15
63	Small Intestinal Sugar and Amino Acid Transport in Semistarvation. Membrane Biochemistry, 1978, 2, 135-148.	0.6	11
64	Large-scale purification of calf pancreatic zymogen granule membranes. Analytical Biochemistry, 1992, 202, 54-60.	2.4	11
65	Processing Advanced Glycation End Product-Modified Albumin by the Renal Proximal Tubule and the Early Pathogenesis of Diabetic Nephropathy. Annals of the New York Academy of Sciences, 2005, 1043, 625-636.	3.8	10
66	Dipeptide-induced Cl^{â^’}secretion in proximal tubule cells. American Journal of Physiology - Cell Physiology, 1997, 273, C1623-C1631.	4.6	9
67	A Maxwell's Demon Type of Membrane Transport: Possibility for Active Transport by ABC-Type Transporters?. Journal of Theoretical Biology, 2002, 214, 539-547.	1.7	9
68	Time resolved secretion of chloride from a monolayer of mucin-secreting epithelial cells. European Biophysics Journal, 2008, 37, 411-419.	2.2	9
69	Separation of cell organelles in density gradients based on their permeability characteristics. Analytical Biochemistry, 1988, 171, 41-46.	2.4	8
70	Transcriptome signature for dietary fructose-specific changes in rat renal cortex: A quantitative approach to physiological relevance. PLoS ONE, 2018, 13, e0201293.	2.5	8
71	Properties of rabbit pepsinogen granules. Gastroenterology, 1989, 96, 1049-1057.	1.3	7
72	Short-term regulation of the Clâ^’/HCO3â^’ exchanger in immortalized SHR proximal tubular epithelial cells. Biochemical Pharmacology, 2008, 75, 2224-2233.	4.4	7

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73	Developing Tools for Analysis of Renal Genomic Data: An Invitation to Participate. Journal of the American Society of Nephrology: JASN, 2017, 28, 3438-3440.	6.1	6
74	[25] Sodium chloride transport pathways in intestinal membrane vesicles. Methods in Enzymology, 1990, 192, 389-408.	1.0	4
75	Development of an AT2-deficient proximal tubule cell line for transport studies. In Vitro Cellular and Developmental Biology - Animal, 2007, 43, 352-360.	1.5	4
76	[14] Isolation of physiologically responsive secretory granules from exocrine tissues. Methods in Enzymology, 1989, 174, 162-172.	1.0	3
77	Regulation of the Paracellular Permeability of Cultured Human Cervical Epithelium by a Nucleotide Receptor. Journal of the Society for Gynecologic Investigation, 1995, 2, 716-720.	1.7	3
78	New methods for maintaining human renal epithelial cells and analyzing their ion transport functions: Potential analysis of genetic disease. Ethnicity and Health, 1996, 1, 129-136.	2.5	3
79	Time-resolved release of calcium from an epithelial cell monolayer during mucin secretion. European Biophysics Journal, 2011, 40, 165-174.	2.2	3
80	Unraveling the complex mechanosensory machine of solitary cilia. American Journal of Physiology - Renal Physiology, 2010, 298, F1095-F1095.	2.7	1
81	Role of hypoxia-induced Bax translocation and cytochrome c release in reoxygenation injury. , 0, .		1
82	Human uterine cervical epithelial cells grown on permeable support â€“ a new model for the study of differentiation. Differentiation, 1994, 56, 0107.	1.9	1
83	Simultaneous Optical Measurements of Cellular Membrane Potential and Volume in Epithelia. Microscopy and Microanalysis, 1997, 3, 805-806.	0.4	0
84	Strategy for the Development of a Matched Set of Transport-Competent, Angiotensin Receptor-Deficient Proximal Tubule Cell Lines. In Vitro Cellular and Developmental Biology - Animal, 2006, , .	1.5	0
85	The primary cilium is a sensory organelle. FASEB Journal, 2006, 20, A346.	0.5	0
86	Immunocytochemical techniques identify Na + â€coupled HCO 3 â^' transporters (NCBTs) in chemosensitive neurons of the Medullary RaphÃ©. FASEB Journal, 2012, 26, 882.7.	0.5	0