Robert A Fenton

List of Publications by Year
in descending order

202 papers	8,774 citations	36203 51 h-index	56606 83 g-index
204 all docs	204 docs citations	204 times ranked	9859 citing authors

#	Article	IF	Citations
1	MAGED2 controls vasopressin-induced aquaporin-2 expression in collecting duct cells. Journal of Proteomics, 2022, 252, 104424.	1.2	1
2	Enhanced phosphate absorption in intestinal epithelial cellâ€specific NHE3 knockout mice. Acta Physiologica, 2022, 234, e13756.	1.8	11
3	Potassium Effects on NCC Are Attenuated during Inhibition of Cullin E3â€"Ubiquitin Ligases. Cells, 2022, 11, 95.	1.8	8
4	Dissecting the Effects of Aldosterone and Hypokalemia on the Epithelial Na+ Channel and the NaCl Cotransporter. Frontiers in Physiology, 2022, 13, 800055.	1.3	7
5	Impaired Mineral Ion Metabolism in a Mouse Model of Targeted Calcium-Sensing Receptor (CaSR) Deletion from Vascular Smooth Muscle Cells. Journal of the American Society of Nephrology: JASN, 2022, 33, 1323-1340.	3.0	7
6	NHE3 in the thick ascending limb is required for sustained but not acute furosemide-induced urinary acidification. American Journal of Physiology - Renal Physiology, 2022, 323, F141-F155.	1.3	2
7	Potassium homeostasis: sensors, mediators, and targets. Pflugers Archiv European Journal of Physiology, 2022, 474, 853-867.	1.3	23
8	The Clâˆ'/HCO3âˆ' exchanger pendrin is downregulated during oral co-administration of exogenous mineralocorticoid and KCl in patients with primary aldosteronism. Journal of Human Hypertension, 2021, 35, 837-848.	1.0	14
9	Multiple Na,K-ATPase Subunits Colocalize in the Brush Border of Mouse Choroid Plexus Epithelial Cells. International Journal of Molecular Sciences, 2021, 22, 1569.	1.8	2
10	Dysregulation of Principal Cell miRNAs Facilitates Epigenetic Regulation of AQP2 and Results in Nephrogenic Diabetes Insipidus. Journal of the American Society of Nephrology: JASN, 2021, 32, 1339-1354.	3.0	15
11	Comparing Approaches to Normalize, Quantify, and Characterize Urinary Extracellular Vesicles. Journal of the American Society of Nephrology: JASN, 2021, 32, 1210-1226.	3.0	53
12	Epigenetic regulation of arginine vasopressin receptor 2 expression by PAX2 and Pax transcription interacting protein. American Journal of Physiology - Renal Physiology, 2021, 320, F404-F417.	1.3	5
13	PENDRIN REDUCTION IS ASSOCIATED WITH ACUTE INTRAVENOUS SODIUM CHLORIDE LOADING IN PATIENTS WITH PRIMARY ALDOSTERONISM. Journal of Hypertension, 2021, 39, e34.	0.3	0
14	Effects of Chronic Potassium Supplementation and the Accompanying Anion on Blood Pressure. FASEB Journal, 2021, 35, .	0.2	0
15	An in vivo protein landscape of the mouse DCT during high dietary K⁺ or low dietary Na⁺ intake. American Journal of Physiology - Renal Physiology, 2021, 320, F908-F921.	1.3	9
16	Genetic Deletion of the Prostaglandin EP3 Receptor in the Kidney Tubule of Adult Mice Has No Impact on Kidney Water Handling. FASEB Journal, 2021, 35, .	0.2	0
17	Urinary proteomics for kidney dysfunction: insights and trends. Expert Review of Proteomics, 2021, 18, 437-452.	1.3	4
18	A five amino acids deletion in NKCC2 of C57BL/6 mice affects analysis of NKCC2 phosphorylation but does not impact kidney function. Acta Physiologica, 2021, 233, e13705.	1.8	9

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19	Large-Scale Proteomic Assessment of Urinary Extracellular Vesicles Highlights Their Reliability in Reflecting Protein Changes in the Kidney. Journal of the American Society of Nephrology: JASN, 2021, 32, 2195-2209.	3.0	31
20	Aquaporin 2 regulation: implications for water balance and polycystic kidney diseases. Nature Reviews Nephrology, 2021, 17, 765-781.	4.1	34
21	Activation of the kidney sodium chloride cotransporter by the Î²2-adrenergic receptor agonist salbutamol increases blood pressure. Kidney International, 2021, 100, 321-335.	2.6	14
22	High dietary potassium causes ubiquitin-dependent degradation of the kidney sodium-chloride cotransporter. Journal of Biological Chemistry, 2021, 297, 100915.	1.6	18
23	Effect of furosemide on body composition and urinary proteins that mediate tubular sodium and sodium transportâ€"A randomized controlled trial. Physiological Reports, 2021, 8, e14653.	0.7	3
24	A systems-level analysis of bile acids effects on rat colon epithelial cells. American Journal of Physiology - Renal Physiology, 2021, , .	1.6	3
25	The Hydrogen-Coupled Oligopeptide Membrane Cotransporter Pept2 is SUMOylated in Kidney Distal Convoluted Tubule Cells. Frontiers in Molecular Biosciences, 2021, 8, 790606.	1.6	1
26	A Vasopressin-Induced Change in Prostaglandin Receptor Subtype Expression Explains the Differential Effect of PGE2 on AQP2 Expression. Frontiers in Physiology, 2021, 12, 787598.	1.3	2
27	Molecular characterization of an aquaporin-2 mutation causing a severe form of nephrogenic diabetes insipidus. Cellular and Molecular Life Sciences, 2020, 77, 953-962.	2.4	8
28	Bilateral ureteral obstruction is rapidly accompanied by ER stress and activation of autophagic degradation of IMCD proteins, including AQP2. American Journal of Physiology - Renal Physiology, 2020, 318, F135-F147.	1.3	5
29	Regulation of the Renal NaCl Cotransporter and Its Role in Potassium Homeostasis. Physiological Reviews, 2020, 100, 321-356.	13.1	104
30	Single-Cell Transcriptome Atlas of Murine Endothelial Cells. Cell, 2020, 180, 764-779.e20.	13.5	755
31	An inducible intestinal epithelial cell-specific NHE3 knockout mouse model mimicking congenital sodium diarrhea. Clinical Science, 2020, 134, 941-953.	1.8	29
32	Advances in aquaporin-2 trafficking mechanisms and their implications for treatment of water balance disorders. American Journal of Physiology - Cell Physiology, 2020, 319, C1-C10.	2.1	30
33	Renal Aquaporins in Health and Disease. Physiology in Health and Disease, 2020, , 1187-1244.	0.2	1
34	Effects of Potassium Supplementation and the Accompanying Anion on Cardiovascular Parameters. FASEB Journal, 2020, 34, 1-1.	0.2	0
35	Stimulation of the Î²2 adrenergic receptor rapidly increases phosphorylation of the Na⁺â€Clcotransporter (NCC). FASEB Journal, 2020, 34, 1-1.	0.2	0
36	Genetic deletion of connexin 37 causes polyuria and polydipsia. PLoS ONE, 2020, 15, e0244251.	1.1	3

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37	Acute and Chronic Effects of Prostaglandin E2 on NKCC2, NCC and ENaC in Ex Vivo Renal Tubules. FASEB Journal, 2020, 34, 1-1.	0.2	0
38	K⁺ and the reninâ€“angiotensinâ€“aldosterone system: new insights into their role in blood pressure control and hypertension treatment. Journal of Physiology, 2019, 597, 4451-4464.	1.3	18
39	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.	3.0	49
40	Pharmacological Npt2a Inhibition Causes Phosphaturia and Reduces Plasma Phosphate in Mice with Normal and Reduced Kidney Function. Journal of the American Society of Nephrology: JASN, 2019, 30, 2128-2139.	3.0	30
41	SUMOylation Landscape of Renal Cortical Collecting Duct Cells. Journal of Proteome Research, 2019, 18, 3640-3648.	1.8	3
42	AMPK phosphorylation of the Î²₁Pix exchange factor regulates the assembly and function of an ENaC inhibitory complex in kidney epithelial cells. American Journal of Physiology - Renal Physiology, 2019, 317, F1513-F1525.	1.3	5
43	Renal denervation and CD161a immune ablation prevent cholinergic hypertension and renal sodium retention. American Journal of Physiology - Heart and Circulatory Physiology, 2019, 317, H517-H530.	1.5	10
44	Protein Phosphatase 1 Inhibitorâ€“1 Mediates the cAMP-Dependent Stimulation of the Renal NaCl Cotransporter. Journal of the American Society of Nephrology: JASN, 2019, 30, 737-750.	3.0	24
45	Proximal tubule transferrin uptake is modulated by cellular iron and mediated by apical membrane megalinâ€“cubilin complex and transferrin receptor 1. Journal of Biological Chemistry, 2019, 294, 7025-7036.	1.6	30
46	The Deubiquitylase USP4 Interacts with the Water Channel AQP2 to Modulate Its Apical Membrane Accumulation and Cellular Abundance. Cells, 2019, 8, 265.	1.8	16
47	Deletion of the serine protease CAP2/Tmprss4 leads to dysregulated renal water handling upon dietary potassium depletion. Scientific Reports, 2019, 9, 19540.	1.6	11
48	Adenylyl Cyclase 6 Expression Is Essential for Cholera Toxinâ€“Induced Diarrhea. Journal of Infectious Diseases, 2019, 220, 1719-1728.	1.9	11
49	Mapping of SUMOylated Proteins in Renal Cortical Collecting Duct (CCD) and Distal Convoluted Tubule (DCT) Cells. FASEB Journal, 2019, 33, 751.10.	0.2	0
50	The Deubiquitylase USP4 Regulates AQP2 Membrane Targeting and Abundance in mpkCCD Cells. FASEB Journal, 2019, 33, 575.5.	0.2	0
51	Cholinergic Mediated Renal Sodium Retention in Young Spontaneously Hypertensive Rats. FASEB Journal, 2019, 33, 861.2.	0.2	0
52	CHIP Regulates Aquaporin-2 Quality Control and Body Water Homeostasis. Journal of the American Society of Nephrology: JASN, 2018, 29, 936-948.	3.0	49
53	Basolateral cholesterol depletion alters Aquaporin-2 post-translational modifications and disrupts apical plasma membrane targeting. Biochemical and Biophysical Research Communications, 2018, 495, 157-162.	1.0	6
54	A7813 Variations in abundance of urinary exosomal renal sodium transporters in response to mineralocorticoid administration and oral salt loading and in relation to baseline plasma aldosterone and potassium. Journal of Hypertension, 2018, 36, e35.	0.3	0

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55	Proteomic approaches in kidney disease biomarker discovery. American Journal of Physiology - Renal Physiology, 2018, 315, F1817-F1821.	1.3	10
56	Adenylyl cyclase 6 is required for maintaining acidâ€“base homeostasis. Clinical Science, 2018, 132, 1779-1796.	1.8	11
57	The murine choroid plexus epithelium expresses the 2Cl^{âˆ’}/H⁺ exchanger ClC-7 and Na⁺/H⁺ exchanger NHE6 in the luminal membrane domain. American Journal of Physiology - Cell Physiology, 2018, 314, C439-C448.	2.1	18
58	RNA sequencing of kidney distal tubule cells reveals multiple mediators of chronic aldosterone action. Physiological Genomics, 2018, 50, 343-354.	1.0	20
59	Role of NHE3 in renal calcium handling. FASEB Journal, 2018, 32, .	0.2	0
60	In Primary Aldosteronism, Mineralocorticoids Influence Exosomal Sodium-Chloride Cotransporter Abundance. Journal of the American Society of Nephrology: JASN, 2017, 28, 56-63.	3.0	55
61	Hypercalcemia induces targeted autophagic degradation of aquaporin-2 at the onset of nephrogenic diabetes insipidus. Kidney International, 2017, 91, 1070-1087.	2.6	53
62	Temporal deletion of<i>Aqp11</i>in mice is linked to the severity of cyst-like disease. American Journal of Physiology - Renal Physiology, 2017, 312, F343-F351.	1.3	11
63	Functional assessment of sodium chloride cotransporter NCC mutants in polarized mammalian epithelial cells. American Journal of Physiology - Renal Physiology, 2017, 313, F495-F504.	1.3	16
64	Roles of branched-chain amino acids regulation in oxidative stress revealed by fibroblasts from classic Maple Syrup Urine Disease patients. Free Radical Biology and Medicine, 2017, 108, S69.	1.3	0
65	Renal tubular NHE3 is required in the maintenance of water and sodium chloride homeostasis. Kidney International, 2017, 92, 397-414.	2.6	51
66	Aquaporin-2 membrane targeting: still a conundrum. American Journal of Physiology - Renal Physiology, 2017, 312, F744-F747.	1.3	40
67	The thiazide sensitive sodium chloride co-transporter NCC is modulated by site-specific ubiquitylation. Scientific Reports, 2017, 7, 12981.	1.6	16
68	NaCl cotransporter abundance in urinary vesicles is increased by calcineurin inhibitors and predicts thiazide sensitivity. PLoS ONE, 2017, 12, e0176220.	1.1	30
69	Role of adenylyl cyclase 6 in the development of lithium-induced nephrogenic diabetes insipidus. JCI Insight, 2017, 2, e91042.	2.3	21
70	Characterization of AQPs in Mouse, Rat, and Human Colon and Their Selective Regulation by Bile Acids. Frontiers in Nutrition, 2016, 3, 46.	1.6	38
71	Urinary extracellular vesicles as markers to assess kidney sodium transport. Current Opinion in Nephrology and Hypertension, 2016, 25, 67-72.	1.0	26
72	The vasopressin type 2 receptor and prostaglandin receptors EP2 and EP4 can increase aquaporin-2 plasma membrane targeting through a cAMP-independent pathway. American Journal of Physiology - Renal Physiology, 2016, 311, F935-F944.	1.3	37

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73	Regulation of the Water Channel Aquaporin-2 via 14-3-3Î¸ and -Î¶. Journal of Biological Chemistry, 2016, 291, 2469-2484.	1.6	31
74	An immunoassay for urinary extracellular vesicles. American Journal of Physiology - Renal Physiology, 2016, 310, F796-F801.	1.3	36
75	Activation of the metabolic sensor AMP-activated protein kinase inhibits aquaporin-2 function in kidney principal cells. American Journal of Physiology - Renal Physiology, 2016, 311, F890-F900.	1.3	19
76	Autoantibodies Targeting a Collecting Ductâ€“Specific Water Channel in Tubulointerstitial Nephritis. Journal of the American Society of Nephrology: JASN, 2016, 27, 3220-3228.	3.0	19
77	Renal aquaporins and water balance disorders. Best Practice and Research in Clinical Endocrinology and Metabolism, 2016, 30, 277-288.	2.2	33
78	The vascular Ca²⁺-sensing receptor regulates blood vessel tone and blood pressure. American Journal of Physiology - Cell Physiology, 2016, 310, C193-C204.	2.1	73
79	Deubiquitylation of Protein Cargo Is Not an Essential Step in Exosome Formation. Molecular and Cellular Proteomics, 2016, 15, 1556-1571.	2.5	49
80	Mucin-mediated nanocarrier disassembly for triggered uptake of oligonucleotides as a delivery strategy for the potential treatment of mucosal tumours. Nanoscale, 2016, 8, 12599-12607.	2.8	10
81	Renal Aquaporins in Health and Disease. , 2016, , 803-854.		0
82	Vasopressin receptors V1_aand V2 are not osmosensors. Physiological Reports, 2015, 3, e12519.	0.7	6
83	Autophagic degradation of aquaporin-2 is an early event in hypokalemia-induced nephrogenic diabetes insipidus. Scientific Reports, 2015, 5, 18311.	1.6	53
84	A Systems Level Analysis of Vasopressin-mediated Signaling Networks in Kidney Distal Convoluted Tubule Cells. Scientific Reports, 2015, 5, 12829.	1.6	21
85	Sodium-glucose cotransport. Current Opinion in Nephrology and Hypertension, 2015, 24, 463-469.	1.0	117
86	Olfactory Neuroblastoma With Hyponatremia. Journal of Clinical Oncology, 2015, 33, e88-e92.	0.8	10
87	H95 Is a pH-Dependent Gate in Aquaporin 4. Structure, 2015, 23, 2309-2318.	1.6	47
88	Caffeine-induced diuresis and natriuresis is independent of renal tubular NHE3. American Journal of Physiology - Renal Physiology, 2015, 308, F1409-F1420.	1.3	40
89	Vasopressin regulation of sodium transport in the distal nephron and collecting duct. American Journal of Physiology - Renal Physiology, 2015, 309, F280-F299.	1.3	54
90	Use of Genetic Models to Study the Urinary Concentrating Mechanism. , 2015, , 43-72.		0

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91	Exosomes in Urine Biomarker Discovery. Advances in Experimental Medicine and Biology, 2015, 845, 43-58.	0.8	57
92	Changes in urinary excretion of water and sodium transporters during amiloride and bendroflumethiazide treatment. World Journal of Nephrology, 2015, 4, 423.	0.8	2
93	Improved Accuracy of Proteome Quantification by MS/MS Fragment Intensity. FASEB Journal, 2015, 29, 567.9.	0.2	0
94	Renal Caffeine Effects are Independent of NHE3 Abundance, Trafficking or Phosphorylation. FASEB Journal, 2015, 29, 970.4.	0.2	0
95	Role of Bile Acids for Regulation of Aquaporins in Rodent Large Intestine. FASEB Journal, 2015, 29, 970.12.	0.2	0
96	Megalin-Mediated Specific Uptake of Chitosan/siRNA Nanoparticles in Mouse Kidney Proximal Tubule Epithelial Cells Enables AQP1 Gene Silencing. Theranostics, 2014, 4, 1039-1051.	4.6	83
97	Early targets of lithium in rat kidney inner medullary collecting duct include p38 and ERK1/2. Kidney International, 2014, 86, 757-767.	2.6	44
98	Phosphorylation Decreases Ubiquitylation of the Thiazide-sensitive Cotransporter NCC and Subsequent Clathrin-mediated Endocytosis. Journal of Biological Chemistry, 2014, 289, 13347-13361.	1.6	62
99	Renal Phosphate Wasting in the Absence of Adenylyl Cyclase 6. Journal of the American Society of Nephrology: JASN, 2014, 25, 2822-2834.	3.0	24
100	Phosphorylation and ubiquitylation are opposing players in regulating endocytosis of the water channel Aquaporin-2. Journal of Cell Science, 2014, 127, 3174-83.	1.2	56
101	Renal aquaporins and water balance disorders. Biochimica Et Biophysica Acta - General Subjects, 2014, 1840, 1533-1549.	1.1	119
102	AQP4 plasma membrane trafficking or channel gating is not significantly modulated by phosphorylation at COOH-terminal serine residues. American Journal of Physiology - Cell Physiology, 2014, 307, C957-C965.	2.1	25
103	Duodenal CCK Cells from Male Mice Express Multiple Hormones Including Ghrelin. Endocrinology, 2014, 155, 3339-3351.	1.4	58
104	Abnormal urinary excretion of NKCC2 and AQP2 in response to hypertonic saline in chronic kidney disease: an intervention study in patients with chronic kidney disease and healthy controls. BMC Nephrology, 2014, 15, 101.	0.8	20
105	Evidence for mitochondrial localization of divalent metal transporter 1 (DMT1). FASEB Journal, 2014, 28, 2134-2145.	0.2	45
106	Protein Phosphatase 1 Inhibitor-1 Deficiency Reduces Phosphorylation of Renal NaCl Cotransporter and Causes Arterial Hypotension. Journal of the American Society of Nephrology: JASN, 2014, 25, 511-522.	3.0	67
107	Urea Transporter Knockout Mice and Their Renal Phenotypes. Sub-Cellular Biochemistry, 2014, 73, 137-152.	1.0	15
108	Distal Renal Tubules Are Deficient in Aggresome Formation and Autophagy upon Aldosterone Administration. PLoS ONE, 2014, 9, e101258.	1.1	8

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109	Quantitative apical membrane proteomics reveals vasopressin-induced actin dynamics in collecting duct cells. Proceedings of the National Academy of Sciences of the United States of America, 2013, 110, 17119-17124.	3.3	58
110	Protection and Systemic Translocation of siRNA Following Oral Administration of Chitosan/siRNA Nanoparticles. Molecular Therapy - Nucleic Acids, 2013, 2, e76.	2.3	65
111	Nephrogenic Diabetes Insipidus: Essential Insights into the Molecular Background and Potential Therapies for Treatment. Endocrine Reviews, 2013, 34, 278-301.	8.9	174
112	Adenylyl Cyclase 6 Enhances NKCC2 Expression and Mediates Vasopressin-Induced Phosphorylation of NKCC2 and NCC. American Journal of Pathology, 2013, 182, 96-106.	1.9	58
113	K⁺-induced natriuresis is preserved during Na⁺depletion and accompanied by inhibition of the Na⁺-Cl^{â^’}cotransporter. American Journal of Physiology - Renal Physiology, 2013, 305, F1177-F1188.	1.3	104
114	Effects of ACE inhibition and ANG II stimulation on renal Na-Cl cotransporter distribution, phosphorylation, and membrane complex properties. American Journal of Physiology - Cell Physiology, 2013, 304, C147-C163.	2.1	33
115	Liver-specific<i>Aquaporin 11</i>knockout mice show rapid vacuolization of the rough endoplasmic reticulum in periportal hepatocytes after amino acid feeding. American Journal of Physiology - Renal Physiology, 2013, 304, G501-G515.	1.6	36
116	Demeclocycline attenuates hyponatremia by reducing aquaporin-2 expression in the renal inner medulla. American Journal of Physiology - Renal Physiology, 2013, 305, F1705-F1718.	1.3	20
117	Is There a Role for PGE2 in Urinary Concentration?. Journal of the American Society of Nephrology: JASN, 2013, 24, 169-178.	3.0	58
118	New insights into regulated aquaporin-2 function. Current Opinion in Nephrology and Hypertension, 2013, 22, 551-558.	1.0	44
119	Aldosterone and angiotensin II induce protein aggregation in renal proximal tubules. Physiological Reports, 2013, 1, e00064.	0.7	11
120	Phosphorylation of rat aquaporinâ€4 at Ser¹¹¹ is not required for channel gating. Glia, 2013, 61, 1101-1112.	2.5	34
121	Genetic ablation of aquaporinâ€2 in the mouse connecting tubules results in defective renal water handling. Journal of Physiology, 2013, 591, 2205-2219.	1.3	33
122	Expression and Function of the Lipocalin-2 (24p3/NGAL) Receptor in Rodent and Human Intestinal Epithelia. PLoS ONE, 2013, 8, e71586.	1.1	26
123	Aquaporin-9 and urea transporter-A gene deletions affect urea transmembrane passage in murine hepatocytes. American Journal of Physiology - Renal Physiology, 2012, 303, G1279-G1287.	1.6	34
124	Treatment with the vascular disrupting agent combretastatin is associated with impaired AQP2 trafficking and increased urine output. American Journal of Physiology - Regulatory Integrative and Comparative Physiology, 2012, 303, R186-R198.	0.9	5
125	Collecting duct cells that lack normal cilia have mislocalized vasopressin-2 receptors. American Journal of Physiology - Renal Physiology, 2012, 302, F801-F808.	1.3	29
126	17Î²-Estradiol induces nongenomic effects in renal intercalated cells through G protein-coupled estrogen receptor 1. American Journal of Physiology - Renal Physiology, 2012, 302, F358-F368.	1.3	44

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127	The Phosphorylated Sodium Chloride Cotransporter in Urinary Exosomes Is Superior to Prostasin as a Marker for Aldosteronism. Hypertension, 2012, 60, 741-748.	1.3	93
128	Lipocalin-2 (24p3/Neutrophil Gelatinase-associated Lipocalin (NGAL)) Receptor Is Expressed in Distal Nephron and Mediates Protein Endocytosis. Journal of Biological Chemistry, 2012, 287, 159-169.	1.6	93
129	Assessment of the Effect of 24-Hour Aldosterone Administration on Protein Abundance in Fluorescence-Sorted Mouse Distal Renal Tubules by Mass Spectrometry. Nephron Physiology, 2012, 121, p9-p15.	1.5	7
130	Vasopressin increases S261 phosphorylation in AQP2-P262L, a mutant in recessive nephrogenic diabetes insipidus. Nephrology Dialysis Transplantation, 2012, 27, 4389-4397.	0.4	22
131	Characterization of a novel phosphorylation site in the sodiumâ€"chloride cotransporter, NCC. Journal of Physiology, 2012, 590, 6121-6139.	1.3	22
132	Another conundrum to concentrate on?. American Journal of Physiology - Renal Physiology, 2012, 303, F492-F493.	1.3	0
133	Aquaporin 2 Promotes Cell Migration and Epithelial Morphogenesis. Journal of the American Society of Nephrology: JASN, 2012, 23, 1506-1517.	3.0	68
134	Aldosterone does not require angiotensin II to activate NCC through a WNK4â€"SPAKâ€"dependent pathway. Pflugers Archiv European Journal of Physiology, 2012, 463, 853-863.	1.3	72
135	Cell biology of vasopressin-regulated aquaporin-2 trafficking. Pflugers Archiv European Journal of Physiology, 2012, 464, 133-144.	1.3	72
136	Anatomy of the Kidney. , 2012, , 31-93.		16
137	Urine Concentration and Dilution. , 2012, , 326-352.		13
138	The Cell Biology of Vasopressin Action. , 2012, , 353-383.		4
139	Adenylyl cyclase 6 determines AVPâ€induced membrane abundance and phosphorylation of NKCC2 and NCC. FASEB Journal, 2012, 26, 1152.7.	0.2	0
140	PP1 and PP2a phosphatases can modulate AQP2 endocytosis. FASEB Journal, 2012, 26, 885.17.	0.2	1
141	Molecular Physiology of the Medullary Collecting Duct. , 2011, 1, 1031-1056.		16
142	The TRPV5 Promoter as a Tool for Generation of Transgenic Mouse Models. Advances in Experimental Medicine and Biology, 2011, 704, 277-286.	0.8	3
143	Short communication: Effects of dietary nitrogen concentration on messenger RNA expression and protein abundance of urea transporter-B and aquaporins in ruminal papillae from lactating Holstein cows. Journal of Dairy Science, 2011, 94, 2587-2591.	1.4	36
144	Ferroportin 1 is expressed basolaterally in rat kidney proximal tubule cells and iron excess increases its membrane trafficking. Journal of Cellular and Molecular Medicine, 2011, 15, 209-219.	1.6	58

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145	Vasopressin-independent targeting of aquaporin-2 by selective E-prostanoid receptor agonists alleviates nephrogenic diabetes insipidus. Proceedings of the National Academy of Sciences of the United States of America, 2011, 108, 12949-12954.	3.3	113
146	Regulation of the water channel aquaporin-2 by posttranslational modification. American Journal of Physiology - Renal Physiology, 2011, 300, F1062-F1073.	1.3	93
147	Bilateral ureteral obstruction induces early downregulation and redistribution of AQP2 and phosphorylated AQP2. American Journal of Physiology - Renal Physiology, 2011, 301, F226-F235.	1.3	24
148	Angiotensin II induces phosphorylation of the thiazide-sensitive sodium chloride cotransporter independent of aldosterone. Kidney International, 2011, 79, 66-76.	2.6	147
149	Novel vasopressinâ€regulated phosphorylation site of the NaCl coâ€transporter, NCC. FASEB Journal, 2011, 25, 1038.27.	0.2	0
150	Selective Eâ€prostanoid receptor agonists mediate phosphorylation of aquaporinâ€2 <i>in vitro</i> and <i>ex vivo</i>. FASEB Journal, 2011, 25, .	0.2	0
151	Angiotensin II stimulated phosphorylation and trafficking of Na+â€Clâ€cotransporter (NCC) into apical plasma membrane (APM) inhibited by Tempol. FASEB Journal, 2011, 25, .	0.2	0
152	Dynamic phosphorylation of AQP2 at S269 modulates AQP2 endocytosis. FASEB Journal, 2011, 25, 1039.7.	0.2	0
153	Aldosterone induces accumulation of epithelial sodium channel Î±â€subunits in endosomeâ€like organelles of connecting tubules. FASEB Journal, 2011, 25, 1039.19.	0.2	0
154	Differential water permeability and regulation of three aquaporin 4 isoforms. Cellular and Molecular Life Sciences, 2010, 67, 829-840.	2.4	93
155	The lysosomal trafficking regulator interacting protein-5 localizes mainly in epithelial cells. Journal of Molecular Histology, 2010, 41, 61-74.	1.0	5
156	Can one â€˜Bad Eggâ€™ really spoil the batch?. Journal of Physiology, 2010, 588, 2283-2284.	1.3	4
157	Adenylate Cyclase 6 Determines cAMP Formation and Aquaporin-2 Phosphorylation and Trafficking in Inner Medulla. Journal of the American Society of Nephrology: JASN, 2010, 21, 2059-2068.	3.0	83
158	Phosphorylation of aquaporin-2 regulates its endocytosis and proteinâ€“protein interactions. Proceedings of the National Academy of Sciences of the United States of America, 2010, 107, 424-429.	3.3	164
159	Quantitative analysis of aquaporin-2 phosphorylation. American Journal of Physiology - Renal Physiology, 2010, 298, F1018-F1023.	1.3	51
160	A plate reader-based method for cell water permeability measurement. American Journal of Physiology - Renal Physiology, 2010, 298, F224-F230.	1.3	26
161	Vasopressin increases phosphorylation of Ser84 and Ser486 in Slc14a2 collecting duct urea transporters. American Journal of Physiology - Renal Physiology, 2010, 299, F559-F567.	1.3	28
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