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	Single-Cell Transcriptome Atlas of Murine Endothelial Cells. Cell, 2020, 180, 764-779.e20.	13.5	755
2	A Current View of the Mammalian Aquaglyceroporins. Annual Review of Physiology, 2008, 70, 301-327.	5.6	314
3	Defective glycerol metabolism in aquaporin 9 (AQP9) knockout mice. Proceedings of the National Academy of Sciences of the United States of America, 2007, 104, 3609-3614.	3.3	269
4	Urinary concentrating defect in mice with selective deletion of phloretin-sensitive urea transporters in the renal collecting duct. Proceedings of the National Academy of Sciences of the United States of America, 2004, 101, 7469-7474.	3.3	230
5	Vasopressin-stimulated Increase in Phosphorylation at Ser269 Potentiates Plasma Membrane Retention of Aquaporin-2. Journal of Biological Chemistry, 2008, 283, 24617-24627.	1.6	222
6	Nephrogenic Diabetes Insipidus: Essential Insights into the Molecular Background and Potential Therapies for Treatment. Endocrine Reviews, 2013, 34, 278-301.	8.9	174
7	Mouse Models and the Urinary Concentrating Mechanism in the New Millennium. Physiological Reviews, 2007, 87, 1083-1112.	13.1	171
8	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
9	Long-Term Regulation of ENaC Expression in Kidney by Angiotensin II. Hypertension, 2003, 41, 1143-1150.	1.3	155
10	Angiotensin II induces phosphorylation of the thiazide-sensitive sodium chloride cotransporter independent of aldosterone. Kidney International, 2011, 79, 66-76.	2.6	147
11	Acute regulation of aquaporin-2 phosphorylation at Ser-264 by vasopressin. Proceedings of the National Academy of Sciences of the United States of America, 2008, 105, 3134-3139.	3.3	135
12	Vasopressin induces phosphorylation of the thiazide-sensitive sodium chloride cotransporter in the distal convoluted tubule. Kidney International, 2010, 78, 160-169.	2.6	134
13	Serine 269 phosphorylated aquaporin-2 is targeted to the apical membrane of collecting duct principal cells. Kidney International, 2009, 75, 295-303.	2.6	124
14	Renal aquaporins and water balance disorders. Biochimica Et Biophysica Acta - General Subjects, 2014, 1840, 1533-1549.	1.1	119
15	Sodium-glucose cotransport. Current Opinion in Nephrology and Hypertension, 2015, 24, 463-469.	1.0	117
16	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
17	Renal Phenotype of UT-A Urea Transporter Knockout Mice. Journal of the American Society of Nephrology: JASN, 2005, 16, 1583-1592.	3.0	112
18	Proteomic analysis of lithium-induced nephrogenic diabetes insipidus: Mechanisms for aquaporin 2 down-regulation and cellular proliferation. Proceedings of the National Academy of Sciences of the United States of America, 2008, 105, 3634-3639.	3.3	110

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19	K⁺-induced natriuresis is preserved during Na⁺depletion and accompanied by inhibition of the Na⁺-Cl^{âˆ’}cotransporter. American Journal of Physiology - Renal Physiology, 2013, 305, F1177-F1188.	1.3	104
20	Regulation of the Renal NaCl Cotransporter and Its Role in Potassium Homeostasis. Physiological Reviews, 2020, 100, 321-356.	13.1	104
21	Urea and Renal Function in the 21st Century: Insights from Knockout Mice. Journal of the American Society of Nephrology: JASN, 2007, 18, 679-688.	3.0	94
22	Differential water permeability and regulation of three aquaporin 4 isoforms. Cellular and Molecular Life Sciences, 2010, 67, 829-840.	2.4	93
23	Regulation of the water channel aquaporin-2 by posttranslational modification. American Journal of Physiology - Renal Physiology, 2011, 300, F1062-F1073.	1.3	93
24	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
25	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
26	Localization of the succinate receptor in the distal nephron and its signaling in polarized MDCK cells. Kidney International, 2009, 76, 1258-1267.	2.6	91
27	Aquaporin-1 Is not Expressed in Descending Thin Limbs of Short-Loop Nephrons. Journal of the American Society of Nephrology: JASN, 2007, 18, 2937-2944.	3.0	88
28	Cellular and subcellular distribution of the type-2 vasopressin receptor in the kidney. American Journal of Physiology - Renal Physiology, 2007, 293, F748-F760.	1.3	87
29	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
30	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
31	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
32	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
33	Cell biology of vasopressin-regulated aquaporin-2 trafficking. Pflugers Archiv European Journal of Physiology, 2012, 464, 133-144.	1.3	72
34	cDNA array identification of genes regulated in rat renal medulla in response to vasopressin infusion. American Journal of Physiology - Renal Physiology, 2003, 284, F218-F228.	1.3	70
35	Aquaporin 2 Promotes Cell Migration and Epithelial Morphogenesis. Journal of the American Society of Nephrology: JASN, 2012, 23, 1506-1517.	3.0	68
36	Calmodulin Is Required for Vasopressin-stimulated Increase in Cyclic AMP Production in Inner Medullary Collecting Duct. Journal of Biological Chemistry, 2005, 280, 13624-13630.	1.6	67

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37	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
38	Role of multiple phosphorylation sites in the COOH-terminal tail of aquaporin-2 for water transport: evidence against channel gating. American Journal of Physiology - Renal Physiology, 2009, 296, F649-F657.	1.3	66
39	Protection and Systemic Translocation of siRNA Following Oral Administration of Chitosan/siRNA Nanoparticles. Molecular Therapy - Nucleic Acids, 2013, 2, e76.	2.3	65
40	Essential role of vasopressin-regulated urea transport processes in the mammalian kidney. Pflugers Archiv European Journal of Physiology, 2009, 458, 169-177.	1.3	62
41	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
42	The basolateral expression of mUT-A3 in the mouse kidney. American Journal of Physiology - Renal Physiology, 2004, 286, F979-F987.	1.3	61
43	Characterization of a human colonic cDNA encoding a structurally novel urea transporter, hUT-A6. American Journal of Physiology - Cell Physiology, 2004, 287, C1087-C1093.	2.1	60
44	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
45	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
46	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
47	Is There a Role for PGE2 in Urinary Concentration?. Journal of the American Society of Nephrology: JASN, 2013, 24, 169-178.	3.0	58
48	Duodenal CCK Cells from Male Mice Express Multiple Hormones Including Ghrelin. Endocrinology, 2014, 155, 3339-3351.	1.4	58
49	Aquaporins in the Kidney. Handbook of Experimental Pharmacology, 2009, , 95-132.	0.9	57
50	Exosomes in Urine Biomarker Discovery. Advances in Experimental Medicine and Biology, 2015, 845, 43-58.	0.8	57
51	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
52	Vasopressin-dependent short-term regulation of aquaporin 4 expressed in Xenopus oocytes. Neuroscience, 2009, 164, 1674-1684.	1.1	55
53	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
54	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

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55	Autophagic degradation of aquaporin-2 is an early event in hypokalemia-induced nephrogenic diabetes insipidus. Scientific Reports, 2015, 5, 18311.	1.6	53
56	Hypercalcemia induces targeted autophagic degradation of aquaporin-2 at the onset of nephrogenic diabetes insipidus. Kidney International, 2017, 91, 1070-1087.	2.6	53
57	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
58	Quantitative analysis of aquaporin-2 phosphorylation. American Journal of Physiology - Renal Physiology, 2010, 298, F1018-F1023.	1.3	51
59	Renal tubular NHE3 is required in the maintenance of water and sodium chloride homeostasis. Kidney International, 2017, 92, 397-414.	2.6	51
60	Deubiquitylation of Protein Cargo Is Not an Essential Step in Exosome Formation. Molecular and Cellular Proteomics, 2016, 15, 1556-1571.	2.5	49
61	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
62	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
63	Identification of Phosphorylation-Dependent Binding Partners of Aquaporin-2 Using Protein Mass Spectrometry. Journal of Proteome Research, 2009, 8, 1540-1554.	1.8	47
64	H95 Is a pH-Dependent Gate in Aquaporin 4. Structure, 2015, 23, 2309-2318.	1.6	47
65	Evidence for mitochondrial localization of divalent metal transporter 1 (DMT1). FASEB Journal, 2014, 28, 2134-2145.	0.2	45
66	Urea transporters and renal function: lessons from knockout mice. Current Opinion in Nephrology and Hypertension, 2008, 17, 513-518.	1.0	44
67	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
68	New insights into regulated aquaporin-2 function. Current Opinion in Nephrology and Hypertension, 2013, 22, 551-558.	1.0	44
69	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
70	Gamble's â€œeconomy of waterâ€•revisited: studies in urea transporter knockout mice. American Journal of Physiology - Renal Physiology, 2006, 291, F148-F154.	1.3	40
71	Caffeine-induced diuresis and natriuresis is independent of renal tubular NHE3. American Journal of Physiology - Renal Physiology, 2015, 308, F1409-F1420.	1.3	40
72	Aquaporin-2 membrane targeting: still a conundrum. American Journal of Physiology - Renal Physiology, 2017, 312, F744-F747.	1.3	40

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73	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
74	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
75	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
76	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
77	An immunoassay for urinary extracellular vesicles. American Journal of Physiology - Renal Physiology, 2016, 310, F796-F801.	1.3	36
78	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
79	Phosphorylation of rat aquaporinâ€4 at Ser¹¹¹ is not required for channel gating. Glia, 2013, 61, 1101-1112.	2.5	34
80	Aquaporin 2 regulation: implications for water balance and polycystic kidney diseases. Nature Reviews Nephrology, 2021, 17, 765-781.	4.1	34
81	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
82	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
83	Renal aquaporins and water balance disorders. Best Practice and Research in Clinical Endocrinology and Metabolism, 2016, 30, 277-288.	2.2	33
84	Iron handling and gene expression of the divalent metal transporter, DMT1, in the kidney of the anemic Belgrade (b) rat. Kidney International, 2003, 64, 1755-1764.	2.6	31
85	Regulation of the Water Channel Aquaporin-2 via 14-3-3Î¸ and -Î¶. Journal of Biological Chemistry, 2016, 291, 2469-2484.	1.6	31
86	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
87	Recent discoveries in vasopressin-regulated aquaporin-2 trafficking. Progress in Brain Research, 2008, 170, 571-579.	0.9	30
88	NaCl cotransporter abundance in urinary vesicles is increased by calcineurin inhibitors and predicts thiazide sensitivity. PLoS ONE, 2017, 12, e0176220.	1.1	30
89	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
90	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

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91	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
92	Long-term regulation of proximal tubule acidâ€“base transporter abundance by angiotensin II. Kidney International, 2006, 70, 660-668.	2.6	29
93	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
94	An inducible intestinal epithelial cell-specific NHE3 knockout mouse model mimicking congenital sodium diarrhea. Clinical Science, 2020, 134, 941-953.	1.8	29
95	Urea movement across mouse colonic plasma membranes is mediated by UT-A urea transporters. Gastroenterology, 2004, 126, 765-773.	0.6	28
96	Fluorescence isolation of mouse late distal convoluted tubules and connecting tubules: effects of vasopressin and vitamin D3 on Ca2+ signaling. American Journal of Physiology - Renal Physiology, 2009, 296, F194-F203.	1.3	28
97	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
98	Angiotensin II regulates V2 receptor and pAQP2 during ureteral obstruction. American Journal of Physiology - Renal Physiology, 2009, 296, F127-F134.	1.3	27
99	A plate reader-based method for cell water permeability measurement. American Journal of Physiology - Renal Physiology, 2010, 298, F224-F230.	1.3	26
100	Expression and Function of the Lipocalin-2 (24p3/NGAL) Receptor in Rodent and Human Intestinal Epithelia. PLoS ONE, 2013, 8, e71586.	1.1	26
101	Urinary extracellular vesicles as markers to assess kidney sodium transport. Current Opinion in Nephrology and Hypertension, 2016, 25, 67-72.	1.0	26
102	Increased collecting duct urea transporter expression in Dahl salt-sensitive rats. American Journal of Physiology - Renal Physiology, 2003, 285, F143-F151.	1.3	25
103	Genomic Organization of the Mammalian SLC14a2 Urea Transporter Genes. Journal of Membrane Biology, 2006, 212, 109-117.	1.0	25
104	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
105	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
106	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
107	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
108	Potassium homeostasis: sensors, mediators, and targets. Pflugers Archiv European Journal of Physiology, 2022, 474, 853-867.	1.3	23

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109	Vasopressin increases S261 phosphorylation in AQP2-P262L, a mutant in recessive nephrogenic diabetes insipidus. Nephrology Dialysis Transplantation, 2012, 27, 4389-4397.	0.4	22
110	Characterization of a novel phosphorylation site in the sodiumâ€“chloride cotransporter, NCC. Journal of Physiology, 2012, 590, 6121-6139.	1.3	22
111	A Systems Level Analysis of Vasopressin-mediated Signaling Networks in Kidney Distal Convoluted Tubule Cells. Scientific Reports, 2015, 5, 12829.	1.6	21
112	Role of adenylyl cyclase 6 in the development of lithium-induced nephrogenic diabetes insipidus. JCI Insight, 2017, 2, e91042.	2.3	21
113	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
114	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
115	RNA sequencing of kidney distal tubule cells reveals multiple mediators of chronic aldosterone action. Physiological Genomics, 2018, 50, 343-354.	1.0	20
116	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
117	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
118	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
119	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
120	High dietary potassium causes ubiquitin-dependent degradation of the kidney sodium-chloride cotransporter. Journal of Biological Chemistry, 2021, 297, 100915.	1.6	18
121	UT-A urea transporter promoter, UT-AÎ±, targets principal cells of the renal inner medullary collecting duct. American Journal of Physiology - Renal Physiology, 2006, 290, F188-F195.	1.3	17
122	Magnetic resonance imaging of urea transporter knockout mice shows renal pelvic abnormalities. Kidney International, 2008, 74, 1202-1208.	2.6	16
123	Molecular Physiology of the Medullary Collecting Duct. , 2011, 1, 1031-1056.		16
124	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
125	The thiazide sensitive sodium chloride co-transporter NCC is modulated by site-specific ubiquitylation. Scientific Reports, 2017, 7, 12981.	1.6	16
126	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

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127	Anatomy of the Kidney. , 2012, , 31-93.		16
128	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
129	Urea Transporter Knockout Mice and Their Renal Phenotypes. Sub-Cellular Biochemistry, 2014, 73, 137-152.	1.0	15
130	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
131	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
132	Urine Concentration and Dilution. , 2012, , 326-352.		13
133	Role of Collecting Duct Urea Transporters in the Kidney â€“ Insights from Mouse Models. Journal of Membrane Biology, 2006, 212, 119-131.	1.0	12
134	Effects of expression of p53 and Gadd45 on osmotic tolerance of renal inner medullary cells. American Journal of Physiology - Renal Physiology, 2006, 291, F341-F349.	1.3	12
135	Aldosterone and angiotensin II induce protein aggregation in renal proximal tubules. Physiological Reports, 2013, 1, e00064.	0.7	11
136	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
137	Adenylyl cyclase 6 is required for maintaining acidâ€“base homeostasis. Clinical Science, 2018, 132, 1779-1796.	1.8	11
138	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
139	Adenylyl Cyclase 6 Expression Is Essential for Cholera Toxinâ€“Induced Diarrhea. Journal of Infectious Diseases, 2019, 220, 1719-1728.	1.9	11
140	Enhanced phosphate absorption in intestinal epithelial cellâ€specific NHE3 knockout mice. Acta Physiologica, 2022, 234, e13756.	1.8	11
141	Olfactory Neuroblastoma With Hyponatremia. Journal of Clinical Oncology, 2015, 33, e88-e92.	0.8	10
142	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
143	Proteomic approaches in kidney disease biomarker discovery. American Journal of Physiology - Renal Physiology, 2018, 315, F1817-F1821.	1.3	10
144	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

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145	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
146	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
147	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
148	Distal Renal Tubules Are Deficient in Aggresome Formation and Autophagy upon Aldosterone Administration. PLoS ONE, 2014, 9, e101258.	1.1	8
149	Potassium Effects on NCC Are Attenuated during Inhibition of Cullin E3â€œUbiquitin Ligases. Cells, 2022, 11, 95.	1.8	8
150	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
151	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
152	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
153	Vasopressin receptors V1_aand V2 are not osmosensors. Physiological Reports, 2015, 3, e12519.	0.7	6
154	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
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	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
157	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
158	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
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