## CITATION REPORT List of articles citing

Potassium intake modulates the thiazide-sensitive sodium-chloride cotransporter (NCC) activity via the Kir4.1 potassium channel

DOI: 10.1016/j.kint.2017.10.023 Kidney International, 2018, 93, 893-902.

Source: https://exaly.com/paper-pdf/69210078/citation-report.pdf

Version: 2024-04-28

This report has been generated based on the citations recorded by exaly.com for the above article. For the latest version of this publication list, visit the link given above.

The third column is the impact factor (IF) of the journal, and the fourth column is the number of citations of the article.

#	Paper	IF	Citations
94	Beneficial Effects of High Potassium: Contribution of Renal Basolateral K Channels. <i>Hypertension</i> , <b>2018</b> , 71, 1015-1022	8.5	17
93	Renal Chloride Channels in Relation to Sodium Chloride Transport. <i>Comprehensive Physiology</i> , <b>2018</b> , 9, 301-342	7.7	8
92	Role of WNK4 and kidney-specific WNK1 in mediating the effect of high dietary K intake on ROMK channel in the distal convoluted tubule. <i>American Journal of Physiology - Renal Physiology</i> , <b>2018</b> , 315, F223-F230	4.3	9
91	Kir5.1 regulates Nedd4-2-mediated ubiquitination of Kir4.1 in distal nephron. <i>American Journal of Physiology - Renal Physiology</i> , <b>2018</b> , 315, F986-F996	4.3	15
90	A mouse model of pseudohypoaldosteronism type II reveals a novel mechanism of renal tubular acidosis. <i>Kidney International</i> , <b>2018</b> , 94, 514-523	9.9	32
89	Distal tubule basolateral potassium channels: cellular and molecular mechanisms of regulation. <i>Current Opinion in Nephrology and Hypertension</i> , <b>2018</b> , 27, 373-378	3.5	11
88	Bradykinin Stimulates Renal Na and K Excretion by Inhibiting the K Channel (Kir4.1) in the Distal Convoluted Tubule. <i>Hypertension</i> , <b>2018</b> , 72, 361-369	8.5	20
87	Clinical importance of potassium intake and molecular mechanism of potassium regulation. <i>Clinical and Experimental Nephrology</i> , <b>2019</b> , 23, 1175-1180	2.5	15
86	K and the renin-angiotensin-aldosterone system: new insights into their role in blood pressure control and hypertension treatment. <i>Journal of Physiology</i> , <b>2019</b> , 597, 4451-4464	3.9	6
85	Deletion of Kir5.1 Impairs Renal Ability to Excrete Potassium during Increased Dietary Potassium Intake. <i>Journal of the American Society of Nephrology: JASN</i> , <b>2019</b> , 30, 1425-1438	12.7	22
84	Potassium Intake Prevents the Induction of the Renin-Angiotensin System and Increases Medullary ACE2 and COX-2 in the Kidneys of Angiotensin II-Dependent Hypertensive Rats. <i>Frontiers in Pharmacology</i> , <b>2019</b> , 10, 1212	5.6	10
83	Lack of Renal Tubular Glucocorticoid Receptor Decreases the Thiazide-Sensitive Na/Cl Cotransporter NCC and Transiently Affects Sodium Handling. <i>Frontiers in Physiology</i> , <b>2019</b> , 10, 989	4.6	4
82	Kir4.1/Kir5.1 in the DCT plays a role in the regulation of renal K excretion. <i>American Journal of Physiology - Renal Physiology</i> , <b>2019</b> , 316, F582-F586	4.3	29
81	Potassium-sparing effects of furosemide in mice on high-potassium diets. <i>American Journal of Physiology - Renal Physiology</i> , <b>2019</b> , 316, F970-F973	4.3	
80	The interplay of renal potassium and sodium handling in blood pressure regulation: critical role of the WNK-SPAK-NCC pathway. <i>Journal of Human Hypertension</i> , <b>2019</b> , 33, 508-523	2.6	16
79	Calcineurin dephosphorylates Kelch-like 3, reversing phosphorylation by angiotensin II and regulating renal electrolyte handling. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , <b>2019</b> , 116, 3155-3160	11.5	26
78	Molecular mechanisms for the regulation of blood pressure by potassium. <i>Current Topics in Membranes</i> , <b>2019</b> , 83, 285-313	2.2	7

## (2020-2019)

77	Hyperkalemia and blood pressure regulation. Nephrology Dialysis Transplantation, 2019, 34, iii26-iii35	4.3	2
76	Modified HEK cells simulate DCT cells in their sensitivity and response to changes in extracellular K. <i>Physiological Reports</i> , <b>2019</b> , 7, e14280	2.6	1
75	Intracellular chloride: a regulator of transepithelial transport in the distal nephron. <i>Current Opinion in Nephrology and Hypertension</i> , <b>2019</b> , 28, 360-367	3.5	9
74	Hyperkalemia: pathophysiology, risk factors and consequences. <i>Nephrology Dialysis Transplantation</i> , <b>2019</b> , 34, iii2-iii11	4.3	34
73	Kir4.1/Kir5.1 Activity Is Essential for Dietary Sodium Intake-Induced Modulation of Na-Cl Cotransporter. <i>Journal of the American Society of Nephrology: JASN</i> , <b>2019</b> , 30, 216-227	12.7	20
72	Norepinephrine-Induced Stimulation of Kir4.1/Kir5.1 Is Required for the Activation of NaCl Transporter in Distal Convoluted Tubule. <i>Hypertension</i> , <b>2019</b> , 73, 112-120	8.5	17
71	Inhibition of AT2R and Bradykinin Type II Receptor (BK2R) Compromises High K Intake-Induced Renal K Excretion. <i>Hypertension</i> , <b>2020</b> , 75, 439-448	8.5	0
70	Regulation of the Renal NaCl Cotransporter and Its Role in Potassium Homeostasis. <i>Physiological Reviews</i> , <b>2020</b> , 100, 321-356	47.9	34
69	Calcium-Sensing Receptor and Regulation of WNK Kinases in the Kidney. <i>Cells</i> , <b>2020</b> , 9,	7.9	1
68	Distal convoluted tubule Cl concentration is modulated via K channels and transporters. <i>American Journal of Physiology - Renal Physiology</i> , <b>2020</b> , 319, F534-F540	4.3	16
67	Physiological Processes Modulated by the Chloride-Sensitive WNK-SPAK/OSR1 Kinase Signaling Pathway and the Cation-Coupled Chloride Cotransporters. <i>Frontiers in Physiology</i> , <b>2020</b> , 11, 585907	4.6	11
66	Estimation of Sodium and Potassium Intake: Current Limitations and Future Perspectives. <i>Nutrients</i> , <b>2020</b> , 12,	6.7	12
65	Dietary potassium and the kidney: lifesaving physiology. <i>CKJ: Clinical Kidney Journal</i> , <b>2020</b> , 13, 952-968	4.5	9
64	Coordinate adaptations of skeletal muscle and kidney to maintain extracellular [K] during K-deficient diet. <i>American Journal of Physiology - Cell Physiology</i> , <b>2020</b> , 319, C757-C770	5.4	5
63	Kidney Is Essential for Blood Pressure Modulation by Dietary Potassium. <i>Current Cardiology Reports</i> , <b>2020</b> , 22, 124	4.2	3
62	NaCl cotransporter activity and Mg handling by the distal convoluted tubule. <i>American Journal of Physiology - Renal Physiology</i> , <b>2020</b> , 319, F1043-F1053	4.3	6
61	Effect of Angiotensin II on ENaC in the Distal Convoluted Tubule and in the Cortical Collecting Duct of Mineralocorticoid Receptor Deficient Mice. <i>Journal of the American Heart Association</i> , <b>2020</b> , 9, e0149	96	16
60	Collecting system-specific deletion of Kcnj10 predisposes for thiazide- and low-potassium diet-induced hypokalemia. <i>Kidney International</i> , <b>2020</b> , 97, 1208-1218	9.9	6

59	The WNK signaling pathway and salt-sensitive hypertension. <i>Hypertension Research</i> , <b>2020</b> , 43, 733-743	4.7	9
58	Epoxyeicosatrienoic acid metabolites inhibit Kir4.1/Kir5.1 in the distal convoluted tubule. <i>American Journal of Physiology - Renal Physiology</i> , <b>2020</b> , 318, F1369-F1376	4.3	2
57	Renal Tubule Nedd4-2 Deficiency Stimulates Kir4.1/Kir5.1 and Thiazide-Sensitive NaCl Cotransporter in Distal Convoluted Tubule. <i>Journal of the American Society of Nephrology: JASN</i> , <b>2020</b> , 31, 1226-1242	12.7	11
56	Mechanisms coupling sodium and magnesium reabsorption in the distal convoluted tubule of the kidney. <i>Acta Physiologica</i> , <b>2021</b> , 231, e13528	5.6	12
55	Differential diagnosis of perinatal Bartter, Bartter and Gitelman syndromes. <i>CKJ: Clinical Kidney Journal</i> , <b>2021</b> , 14, 36-48	4.5	4
54	Decreased KLHL3 expression is involved in the activation of WNK-OSR1/SPAK-NCC cascade in type 1 diabetic mice. <i>Pflugers Archiv European Journal of Physiology</i> , <b>2021</b> , 473, 185-196	4.6	1
53	The Role of the Renal Dopaminergic System and Oxidative Stress in the Pathogenesis of Hypertension. <i>Biomedicines</i> , <b>2021</b> , 9,	4.8	6
52	Thiazide-Sensitive NCC (Sodium-Chloride Cotransporter) in Human Metabolic Syndrome: Sodium Sensitivity and Potassium-Induced Natriuresis. <i>Hypertension</i> , <b>2021</b> , 77, 447-460	8.5	2
51	WNK4 kinase: from structure to physiology. <i>American Journal of Physiology - Renal Physiology</i> , <b>2021</b> , 320, F378-F403	4.3	3
50	Modeling Distal Convoluted Tubule (Patho)Physiology: An Overview of Past Developments and an Outlook Toward the Future. <i>Tissue Engineering - Part C: Methods</i> , <b>2021</b> , 27, 200-212	2.9	2
49	Dietary salt modifies the blood pressure response to renin-angiotensin inhibition in experimental chronic kidney disease. <i>American Journal of Physiology - Renal Physiology</i> , <b>2021</b> , 320, F654-F668	4.3	2
48	A case series of adult patients affected by EAST/SeSAME syndrome suggests more severe disease in subjects bearing truncating mutations. <i>Intractable and Rare Diseases Research</i> , <b>2021</b> , 10, 95-101	1.4	3
47	Roles of WNK4 and SPAK in K-mediated dephosphorylation of the NaCl cotransporter. <i>American Journal of Physiology - Renal Physiology</i> , <b>2021</b> , 320, F719-F733	4.3	4
46	An in vivo protein landscape of the mouse DCT during high dietary K or low dietary Na intake. <i>American Journal of Physiology - Renal Physiology</i> , <b>2021</b> , 320, F908-F921	4.3	2
45	Deletion of renal Nedd4-2 abolishes the effect of high sodium intake (HS) on Kir4.1, ENaC, and NCC and causes hypokalemia during high HS. <i>American Journal of Physiology - Renal Physiology</i> , <b>2021</b> , 320, F883-F896	4.3	5
44	Deletion of Kir5.1 abolishes the effect of high Na intake on Kir4.1 and Na-Cl cotransporter.  American Journal of Physiology - Renal Physiology, <b>2021</b> , 320, F1045-F1058	4.3	2
43	Large-Scale Proteomic Assessment of Urinary Extracellular Vesicles Highlights Their Reliability in Reflecting Protein Changes in the Kidney. <i>Journal of the American Society of Nephrology: JASN</i> , <b>2021</b> , 32, 2195-2209	12.7	3
42	Deletion of renal Nedd4-2 abolishes the effect of high K intake on Kir4.1/Kir5.1 and NCC activity in the distal convoluted tubule. <i>American Journal of Physiology - Renal Physiology</i> , <b>2021</b> , 321, F1-F11	4.3	3

41	Role of mTOR Signaling for Tubular Function and Disease. <i>Physiology</i> , <b>2021</b> , 36, 350-358	9.8	О
40	Role of collecting duct principal cell NOS1[In sodium and potassium homeostasis. <i>Physiological Reports</i> , <b>2021</b> , 9, e15080	2.6	O
39	Gitelman-Like Syndrome Caused by Pathogenic Variants in mtDNA. <i>Journal of the American Society of Nephrology: JASN</i> , <b>2021</b> ,	12.7	4
38	Inwardly Rectifying K+ Channel 4.1 Regulates Renal K+ Excretion in the Aldosterone-Sensitive Distal Nephron. <i>Physiology in Health and Disease</i> , <b>2020</b> , 823-857	0.2	
37	Fundamentals of Epithelial Na+ Absorption. <i>Physiology in Health and Disease</i> , <b>2020</b> , 291-336	0.2	
36	High baseline ROMK activity in mouse late distal convoluted and early connecting tubule (DCT2/CNT) probably contributes to aldosterone-independent K secretion. <i>American Journal of Physiology - Renal Physiology</i> , <b>2021</b> ,	4.3	1
35	ROMK channels are inhibited in the aldosterone-sensitive distal nephron (ASDN) of renal-tubule Nedd4-2 deficient mice. <i>American Journal of Physiology - Renal Physiology</i> , <b>2021</b> ,	4.3	O
34	Pathophysiology, Evaluation, and Treatment of Hypokalemia. <i>Nephrology Self-assessment Program: NephSAP</i> , <b>2022</b> , 20, 102-116	O	
33	Paracrine and endocrine regulation of renal potassium secretion <i>American Journal of Physiology - Renal Physiology</i> , <b>2022</b> ,	4.3	О
32	Combined Kelch-Like 3 and Cullin 3 Degradation is a Central Mechanism in Familial Hyperkalemic Hypertension in Mice <i>Journal of the American Society of Nephrology: JASN</i> , <b>2022</b> ,	12.7	3
31	Characterization of Potassium-Induced Natriuresis in Hypertensive Postmenopausal Women During Both Low and High Sodium Intake <i>Hypertension</i> , <b>2022</b> , HYPERTENSIONAHA12118392	8.5	О
30	Potassium effects on NCC are attenuated during inhibition of Cullin E3-ubiquitin ligases.		1
29	Potassium and the kidney: a reciprocal relationship with clinical relevance <i>Pediatric Nephrology</i> , <b>2022</b> , 1	3.2	1
29	· · · · · · · · · · · · · · · · · · ·	3.2	
	EAST/SeSAME Syndrome and Beyond: The Spectrum of Kir4.1- and Kir5.1-Associated		1
28	EAST/SeSAME Syndrome and Beyond: The Spectrum of Kir4.1- and Kir5.1-Associated Channelopathies <i>Frontiers in Physiology</i> , <b>2022</b> , 13, 852674  Potassium Effects on NCC Are Attenuated during Inhibition of Cullin E3-Ubiquitin Ligases <i>Cells</i> ,	4.6	1
28	EAST/SeSAME Syndrome and Beyond: The Spectrum of Kir4.1- and Kir5.1-Associated Channelopathies Frontiers in Physiology, 2022, 13, 852674  Potassium Effects on NCC Are Attenuated during Inhibition of Cullin E3-Ubiquitin Ligases Cells, 2021, 11,  Molecular mechanisms for the modulation of blood pressure and potassium homeostasis by the	4.6 7.9	1 O

23	Dissecting the Effects of Aldosterone and Hypokalemia on the Epithelial Na Channel and the NaCl Cotransporter <i>Frontiers in Physiology</i> , <b>2022</b> , 13, 800055	4.6	O
22	Potassium Derangements: A Pathophysiological Review, Diagnostic Approach, and Clinical Management.		
21	Potassium homeostasis: sensors, mediators, and targets. <i>Pflugers Archiv European Journal of Physiology</i> ,	4.6	0
20	The genetic spectrum of Gitelman(-like) syndromes. <i>Current Opinion in Nephrology and Hypertension</i> , Publish Ahead of Print,	3.5	1
19	Role of inwardly rectifying K+ channel 5.1 (Kir5.1) in the regulation of renal membrane transport. <i>Current Opinion in Nephrology and Hypertension</i> , Publish Ahead of Print,	3.5	1
18	Inwardly rectifying K+ channels 4.1 and 5.1 (Kir4.1/Kir5.1) in the renal distal nephron. <i>American Journal of Physiology - Cell Physiology</i> , <b>2022</b> , 323, C277-C288	5.4	1
17	Multiple molecular mechanisms are involved in the activation of the kidney sodium-chloride cotransporter by hypokalemia. <b>2022</b> ,		1
16	Introductory Chapter: Potassium in Human Health.		
15	The E3 ubiquitin-protein ligase Nedd4-2 regulates the sodium chloride cotransporter NCC but is not required for a potassium-induced reduction of NCC expression. 13,		O
14	Using human urinary extracellular vesicles to study physiological and pathophysiological states and regulation of the sodium chloride cotransporter. 13,		O
13	Mechanistic insights into the primary and secondary alterations of renal ion and water transport in the distal nephron.		0
12	Directing two-way traffic in the kidney: A tale of two ions. <b>2022</b> , 154,		O
11	Mediterranean Diet and Prevention of Cardiovascular Disease. <b>2022</b> , 57, 247-251		0
10	Blood pressure effects of sodium transport along the distal nephron. 2022,		1
9	The effect of high-dietary K+ (HK) on Kir4.1/Kir5.1 and ROMK in the distal convoluted tubule (DCT) is not affected by gender and Clicontent of the diet. 13,		0
8	Calcineurin inhibitors stimulate Kir4.1/Kir5.1 of the distal convoluted tubule to increase NaCl cotransporter. <b>2023</b> , 8,		O
7	Functional interactions between potassium-chloride cotransporter (KCC) and inward rectifier potassium (Kir) channels in the insect central nervous system. <b>2023</b> , 192, 105389		0
6	Control of sodium and potassium homeostasis by renal distal convoluted tubules. 56,		O

## CITATION REPORT

5	Activation of Kir4.1/Kir5.1 contributes to the cyclosporin A-induced stimulation of the renal NaCl cotransporter and hyperkalemic hypertension.	О
4	Diverse functions of the inward-rectifying potassium channel Kir5.1 and its relationship with human diseases. 14,	O
3	A New Understanding of Potassium <b>u</b> Influence Upon Human Health and Renal Physiology. <b>2023</b> , 30, 137-147	О
2	Aldosterone: Renal Action and Physiological Effects. 4409-4491	O
1	Kir4.1 deletion prevents salt-sensitive hypertension in early streptozotocin-induced diabetic mice via Na+tlltotransporter in the distal convoluted tubule. Publish Ahead of Print,	О