Joost G J Hoenderop

List of Publications by Year
in descending order

243 papers	16,316 citations	16451 64 h-index	19190 118 g-index
247 all docs	247 docs citations	247 times ranked	10315 citing authors

#	Article	IF	Citations
1	Possible role for rare<i>TRPM7</i>variants in patients with hypomagnesaemia with secondary hypocalcaemia. Nephrology Dialysis Transplantation, 2023, 38, 679-690.	0.7	6
2	Magnesium to prevent kidney diseaseâ€"associated vascular calcification: crystal clear?. Nephrology Dialysis Transplantation, 2022, 37, 421-429.	0.7	22
3	Colonic expression of calcium transporter TRPV6 is regulated by dietary sodium butyrate. Pflugers Archiv European Journal of Physiology, 2022, 474, 293-302.	2.8	3
4	Nephron mass determines the excretion rate of urinary extracellular vesicles. Journal of Extracellular Vesicles, 2022, 11, e12181.	12.2	25
5	Dietary magnesium supplementation inhibits abdominal vascular calcification in an experimental animal model of chronic kidney disease. Nephrology Dialysis Transplantation, 2022, 37, 1049-1058.	0.7	11
6	Mechanisms of ion transport regulation by HNF1Î² in the kidney: beyond transcriptional regulation of channels and transporters. Pflugers Archiv European Journal of Physiology, 2022, 474, 901-916.	2.8	5
7	Title: Jealous protons sour another happy marriage; the story of how TRPV5 and PI(4,5)P2 split up.. Cell Calcium, 2022, , 102609.	2.4	0
8	Mechanisms of proton pump inhibitorâ€induced hypomagnesemia. Acta Physiologica, 2022, 235, .	3.8	31
9	FAM111A is dispensable for electrolyte homeostasis in mice. Scientific Reports, 2022, 12, .	3.3	3
10	Framework From a Multidisciplinary Approach for Transitioning Variants of Unknown Significance From Clinical Genetic Testing in Kidney Disease to a Definitive Classification. Kidney International Reports, 2022, , .	0.8	0
11	Low plasma magnesium concentration and future abdominal aortic calcifications in moderate chronic kidney disease. BMC Nephrology, 2021, 22, 71.	1.8	3
12	Proteomic Profile of Urinary Extracellular Vesicles Identifies AGP1 as a Potential Biomarker of Primary Aldosteronism. Endocrinology, 2021, 162, .	2.8	12
13	Comparing Approaches to Normalize, Quantify, and Characterize Urinary Extracellular Vesicles. Journal of the American Society of Nephrology: JASN, 2021, 32, 1210-1226.	6.1	53
14	Bifunctional protein PCBD2 operates as a coâ€factor for hepatocyte nuclear factor 1Î² and modulates gene transcription. FASEB Journal, 2021, 35, e21366.	0.5	1
15	The phenotypic and genetic spectrum of patients with heterozygous mutations in cyclin M2 (CNNM2). Human Mutation, 2021, 42, 473-486.	2.5	21
16	Genetic and drug-induced hypomagnesemia: different cause, same mechanism. Proceedings of the Nutrition Society, 2021, 80, 327-338.	1.0	11
17	Extracellular vesicles regulate purinergic signaling and epithelial sodium channel expression in renal collecting duct cells. FASEB Journal, 2021, 35, e21506.	0.5	9
18	Cyclin M2 (CNNM2) knockout mice show mild hypomagnesaemia and developmental defects. Scientific Reports, 2021, 11, 8217.	3.3	18

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19	The role of Transcription Factor Hepatocyte Nuclear Factor 1Î² in a Transcriptional Network Regulating Cell Polarity in Epithelial Kidney Cells. FASEB Journal, 2021, 35, .	0.5	0
20	Serum Magnesium Is Inversely Associated With Heart Failure, Atrial Fibrillation, and Microvascular Complications in Type 2 Diabetes. Diabetes Care, 2021, 44, 1757-1765.	8.6	21
21	ARL15 modulates magnesium homeostasis through N-glycosylation of CNNMs. Cellular and Molecular Life Sciences, 2021, 78, 5427-5445.	5.4	18
22	CNNM proteins selectively bind to the TRPM7 channel to stimulate divalent cation entry into cells. PLoS Biology, 2021, 19, e3001496.	5.6	18
23	Calciprotein particle inhibition explains magnesium-mediated protection against vascular calcification. Nephrology Dialysis Transplantation, 2020, 35, 765-773.	0.7	43
24	Magnesium prevents vascular calcification inÂKlotho deficiency. Kidney International, 2020, 97, 487-501.	5.2	50
25	Tacrolimusâ€induced hypomagnesemia and hypercalciuria requires FKBP12 suggesting a role for calcineurin. Physiological Reports, 2020, 8, e14316.	1.7	19
26	Recent Advances in Extracellular Vesicles as Drug Delivery Systems and Their Potential in Precision Medicine. Pharmaceutics, 2020, 12, 1006.	4.5	31
27	Dietary Mg2+ Intake and the Na+/Mg2+ Exchanger SLC41A1 Influence Components of Mitochondrial Energetics in Murine Cardiomyocytes. International Journal of Molecular Sciences, 2020, 21, 8221.	4.1	4
28	Pannexinâ€1 mediates fluid shear stressâ€sensitive purinergic signaling and cyst growth in polycystic kidney disease. FASEB Journal, 2020, 34, 6382-6398.	0.5	15
29	Sensing of tubular flow and renal electrolyte transport. Nature Reviews Nephrology, 2020, 16, 337-351.	9.6	41
30	Metformin regulates TRPM6, a potential explanation for magnesium imbalance in type 2 diabetes patients. Canadian Journal of Physiology and Pharmacology, 2020, 98, 400-411.	1.4	15
31	Novel Aspects of Extracellular Vesicles in the Regulation of Renal Physiological and Pathophysiological Processes. Frontiers in Cell and Developmental Biology, 2020, 8, 244.	3.7	18
32	ARL15 Regulates CNNM2â€dependent Mg 2+ Transport by Modulating its Nâ€linked Glycosylation. FASEB Journal, 2020, 34, 1-1.	0.5	0
33	Calciprotein Particle Inhibition Explains Magnesiumâ€mediated Protection against Vascular Calcification. FASEB Journal, 2020, 34, 1-1.	0.5	0
34	Low gut microbiota diversity and dietary magnesium intake are associated with the development of PPIâ€induced hypomagnesemia. FASEB Journal, 2019, 33, 11235-11246.	0.5	32
35	Development of a villi-like micropatterned porous membrane for intestinal magnesium and calcium uptake studies. Acta Biomaterialia, 2019, 99, 110-120.	8.3	10
36	Quantitative Translation of Microfluidic Transporter <i>in Vitro</i> Data to <i>in Vivo</i> Reveals Impaired Albumin-Facilitated Indoxyl Sulfate Secretion in Chronic Kidney Disease. Molecular Pharmaceutics, 2019, 16, 4551-4562.	4.6	30

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37	Renal phospholipidosis and impaired magnesium handling in highâ€fatâ€dietâ€"fed mice. FASEB Journal, 2019, 33, 7192-7201.	0.5	12
38	Effect of Dapagliflozin Treatment on the Expression of Renal Sodium Transporters/Channels on High-Fat Diet Diabetic Mice. Nephron, 2019, 142, 51-60.	1.8	13
39	Diabetes-induced hypomagnesemia is not modulated by metformin treatment in mice. Scientific Reports, 2019, 9, 1770.	3.3	9
40	Tubular flow activates magnesium transport in the distal convoluted tubule. FASEB Journal, 2019, 33, 5034-5044.	0.5	12
41	SLC41A1 is essential for magnesium homeostasis in vivo. Pflugers Archiv European Journal of Physiology, 2019, 471, 845-860.	2.8	29
42	Increased NEFA levels reduce blood Mg2+ in hypertriacylglycerolaemic states via direct binding of NEFA to Mg2+. Diabetologia, 2019, 62, 311-321.	6.3	14
43	Magnesium prevents vascular calcification in vitro by inhibition of hydroxyapatite crystal formation. Scientific Reports, 2018, 8, 2069.	3.3	82
44	Genome-Wide Meta-Analysis Unravels Interactions between Magnesium Homeostasis and Metabolic Phenotypes. Journal of the American Society of Nephrology: JASN, 2018, 29, 335-348.	6.1	34
45	Dominant functional role of the novel phosphorylation site S811 in the human renal NaCl cotransporter. FASEB Journal, 2018, 32, 4482-4493.	0.5	5
46	Transcription factor HNF1Î² regulates expression of the calcium-sensing receptor in the thick ascending limb of the kidney. American Journal of Physiology - Renal Physiology, 2018, 315, F27-F35.	2.7	18
47	Polycystin-1 dysfunction impairs electrolyte and water handling in a renal precystic mouse model for ADPKD. American Journal of Physiology - Renal Physiology, 2018, 315, F537-F546.	2.7	17
48	Effects of a high-sodium/low-potassium diet on renal calcium, magnesium, and phosphate handling. American Journal of Physiology - Renal Physiology, 2018, 315, F110-F122.	2.7	27
49	Routine hemodialysis induces a decline in plasma magnesium concentration in most patients: a prospective observational cohort study. Scientific Reports, 2018, 8, 10256.	3.3	26
50	Magnesium deficiency prevents high-fat-diet-induced obesity in mice. Diabetologia, 2018, 61, 2030-2042.	6.3	16
51	Primary ciliaâ€regulated transcriptome in the renal collecting duct. FASEB Journal, 2018, 32, 3653-3668.	0.5	18
52	Uromodulin regulates renal magnesium homeostasis through the ion channel transient receptor potential melastatin 6 (TRPM6). Journal of Biological Chemistry, 2018, 293, 16488-16502.	3.4	43
53	The rise and fall of novel renal magnesium transporters. American Journal of Physiology - Renal Physiology, 2018, 314, F1027-F1033.	2.7	40
54	Differential regulation of the Na + -Ca 2+ exchanger 3 (NCX3) by protein kinase PKC and PKA. Cell Calcium, 2017, 65, 52-62.	2.4	13

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55	Hydrochlorothiazide treatment increases the abundance of the NaCl cotransporter in urinary extracellular vesicles of essential hypertensive patients. American Journal of Physiology - Renal Physiology, 2017, 312, F1063-F1072.	2.7	15
56	Fluid shear stress increases transepithelial transport of Ca ²⁺ in ciliated distal convoluted and connecting tubule cells. FASEB Journal, 2017, 31, 1796-1806.	0.5	17
57	TRP channels in calcium homeostasis: from hormonal control to structure-function relationship of TRPV5 and TRPV6. Biochimica Et Biophysica Acta - Molecular Cell Research, 2017, 1864, 883-893.	4.1	65
58	Loss of transcriptional activation of the potassium channel Kir5.1 by HNF1Î² drives autosomal dominant tubulointerstitial kidney disease. Kidney International, 2017, 92, 1145-1156.	5.2	41
59	Common single nucleotide polymorphisms in transient receptor potential melastatin type 6 increase the risk for proton pump inhibitor-induced hypomagnesemia. Pharmacogenetics and Genomics, 2017, 27, 83-88.	1.5	29
60	A Novel Hypokalemic-Alkalotic Salt-Losing Tubulopathy in Patients with CLDN10 Mutations. Journal of the American Society of Nephrology: JASN, 2017, 28, 3118-3128.	6.1	52
61	Determinants of hypomagnesemia in patients with type 2 diabetes mellitus. European Journal of Endocrinology, 2017, 176, 11-19.	3.7	59
62	NaCl cotransporter abundance in urinary vesicles is increased by calcineurin inhibitors and predicts thiazide sensitivity. PLoS ONE, 2017, 12, e0176220.	2.5	30
63	Calcium Extrusion Pump PMCA4: A New Player in Renal Calcium Handling?. PLoS ONE, 2016, 11, e0153483.	2.5	12
64	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
65	Identification of SLC41A3 as a novel player in magnesium homeostasis. Scientific Reports, 2016, 6, 28565.	3.3	50
66	Functionomics of NCC mutations in Gitelman syndrome using a novel mammalian cell-based activity assay. American Journal of Physiology - Renal Physiology, 2016, 311, F1159-F1167.	2.7	22
67	Inhibition of PRL-2Â·CNNM3 Protein Complex Formation Decreases Breast Cancer Proliferation and Tumor Growth. Journal of Biological Chemistry, 2016, 291, 10716-10725.	3.4	39
68	TRPV4 mediates afferent pathways in the urinary bladder. A spinal c-fos study showing TRPV1 related adaptations in the TRPV4 knockout mouse. Pflugers Archiv European Journal of Physiology, 2016, 468, 1741-1749.	2.8	8
69	Calpain-3-mediated regulation of the Na+-Ca2+ exchanger isoform 3. Pflugers Archiv European Journal of Physiology, 2016, 468, 243-255.	2.8	12
70	Urinary Î²-galactosidase stimulates Ca²⁺transport by stabilizing TRPV5 at the plasma membrane. Glycobiology, 2016, 26, 472-481.	2.5	6
71	Regulation of Mg2+ Reabsorption and Transient Receptor Potential Melastatin Type 6 Activity by cAMP Signaling. Journal of the American Society of Nephrology: JASN, 2016, 27, 804-813.	6.1	21
72	1,25-Vitamin D3 Deficiency Induces Albuminuria. American Journal of Pathology, 2016, 186, 794-804.	3.8	20

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73	Hypomagnesemia in Type 2 Diabetes: A Vicious Circle?. Diabetes, 2016, 65, 3-13.	0.6	217
74	P2X6 Knockout Mice Exhibit Normal Electrolyte Homeostasis. PLoS ONE, 2016, 11, e0156803.	2.5	7
75	Lifelong challenge of calcium homeostasis in male mice lacking TRPV5 leads to changes in bone and calcium metabolism. Oncotarget, 2016, 7, 24928-24941.	1.8	6
76	The Na⁺/Ca²⁺ Exchanger 1 (NCX1) Variant 3 as the Major Extrusion System in Renal Distal Tubular Transcellular Ca²⁺-Transport. Nephron, 2015, 131, 145-152.	1.8	7
77	Hypomagnesemia as First Clinical Manifestation of ADTKD-HNF1B: A Case Series and Literature Review. American Journal of Nephrology, 2015, 42, 85-90.	3.1	46
78	Uremic Toxins Induce ET-1 Release by Human Proximal Tubule Cells, which Regulates Organic Cation Uptake Time-Dependently. Cells, 2015, 4, 234-252.	4.1	5
79	Flavaglines Stimulate Transient Receptor Potential Melastatin Type 6 (TRPM6) Channel Activity. PLoS ONE, 2015, 10, e0119028.	2.5	13
80	Dietary Inulin Fibers Prevent Proton-Pump Inhibitor (PPI)-Induced Hypocalcemia in Mice. PLoS ONE, 2015, 10, e0138881.	2.5	24
81	SP019RECURRENT FXYD2 P.GLY41ARG MUTATION IN PATIENTS WITH ISOLATED DOMINANT HYPOMAGNESEMIA. Nephrology Dialysis Transplantation, 2015, 30, iii387-iii387.	0.7	0
82	Segmental transport of Ca²⁺and Mg²⁺along the gastrointestinal tract. American Journal of Physiology - Renal Physiology, 2015, 308, G206-G216.	3.4	47
83	The impact of formative testing on study behaviour and study performance of (bio)medical students: a smartphone application intervention study. BMC Medical Education, 2015, 15, 72.	2.4	30
84	Recurrent FXYD2 p.Gly41Arg mutation in patients with isolated dominant hypomagnesaemia. Nephrology Dialysis Transplantation, 2015, 30, 952-957.	0.7	51
85	Magnesium in Man: Implications for Health and Disease. Physiological Reviews, 2015, 95, 1-46.	28.8	1,099
86	Development of a living membrane comprising a functional human renal proximal tubule cell monolayer on polyethersulfone polymeric membrane. Acta Biomaterialia, 2015, 14, 22-32.	8.3	45
87	Towards Understanding the Role of the Na+-Ca2+ Exchanger Isoform 3. Reviews of Physiology, Biochemistry and Pharmacology, 2015, 168, 31-57.	1.6	15
88	Vitamin D attenuates proteinuria by inhibition of heparanase expression in the podocyte. Journal of Pathology, 2015, 237, 472-481.	4.5	38
89	Shedding of klotho by ADAMs in the kidney. American Journal of Physiology - Renal Physiology, 2015, 309, F359-F368.	2.7	46
90	A smart rhodamineâ€“pyridine conjugate for bioimaging of thiocyanate in living cells. RSC Advances, 2015, 5, 103350-103357.	3.6	10

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91	Thrombin receptor deficiency leads to a high bone mass phenotype by decreasing the RANKL/OPG ratio. Bone, 2015, 72, 14-22.	2.9	22
92	Variant Specific Cleavage of the Na + â€Ca 2+ Exchanger NCX3 During Excitotoxicity. FASEB Journal, 2015, 29, LB620.	0.5	0
93	Importance of dietary calcium and vitamin D in the treatment of hypercalcaemia in Williams-Beuren syndrome. Journal of Pediatric Endocrinology and Metabolism, 2014, 27, 757-61.	0.9	16
94	Î²1-Adrenergic Receptor Signaling Activates the Epithelial Calcium Channel, Transient Receptor Potential Vanilloid Type 5 (TRPV5), via the Protein Kinase A Pathway. Journal of Biological Chemistry, 2014, 289, 18489-18496.	3.4	9
95	CNNM2 Mutations Cause Impaired Brain Development and Seizures in Patients with Hypomagnesemia. PLoS Genetics, 2014, 10, e1004267.	3.5	118
96	A novel <i>KCNA1</i> mutation causing episodic ataxia type I. Muscle and Nerve, 2014, 50, 289-291.	2.2	15
97	Mg2+ homeostasis. Current Opinion in Nephrology and Hypertension, 2014, 23, 361-369.	2.0	35
98	Function and Regulation of the Na+-Ca2+ Exchanger NCX3 Splice Variants in Brain and Skeletal Muscle. Journal of Biological Chemistry, 2014, 289, 11293-11303.	3.4	33
99	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
100	P2X4 receptor regulation of transient receptor potential melastatin type 6 (TRPM6) Mg2+ channels. Pflugers Archiv European Journal of Physiology, 2014, 466, 1941-1952.	2.8	27
101	Coordinated regulation of TRPV5-mediated Ca2+ transport in primary distal convolution cultures. Pflugers Archiv European Journal of Physiology, 2014, 466, 2077-2087.	2.8	33
102	Mutations in PCBD1 Cause Hypomagnesemia and Renal Magnesium Wasting. Journal of the American Society of Nephrology: JASN, 2014, 25, 574-586.	6.1	68
103	Glucose Specifically Regulates TRPC6 Expression in the Podocyte in an AngII-Dependent Manner. American Journal of Pathology, 2014, 184, 1715-1726.	3.8	62
104	Cationic uremic toxins affect human renal proximal tubule cell functioning through interaction with the organic cation transporter. Pflugers Archiv European Journal of Physiology, 2013, 465, 1701-1714.	2.8	50
105	Structural analysis of calmodulin binding to ion channels demonstrates the role of its plasticity in regulation. Pflugers Archiv European Journal of Physiology, 2013, 465, 1507-1519.	2.8	42
106	Vitamin D Down-Regulates TRPC6 Expression in Podocyte Injury and Proteinuric Glomerular Disease. American Journal of Pathology, 2013, 182, 1196-1204.	3.8	44
107	Early Development of Hyperparathyroidism Due to Loss of<i>PTH</i>Transcriptional Repression in Patients With HNF1Î² Mutations?. Journal of Clinical Endocrinology and Metabolism, 2013, 98, 4089-4096.	3.6	26
108	The Epithelial Calcium Channel TRPV5 Is Regulated Differentially by Klotho and Sialidase. Journal of Biological Chemistry, 2013, 288, 29238-29246.	3.4	42

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109	Cisplatin-induced injury of the renal distal convoluted tubule is associated with hypomagnesaemia in mice. Nephrology Dialysis Transplantation, 2013, 28, 879-889.	0.7	50
110	The vitamin D analog ZK191784 normalizes decreased bone matrix mineralization in mice lacking the calcium channel TRPV5. Journal of Cellular Physiology, 2013, 228, 402-407.	4.1	5
111	Evaluation of Hypomagnesemia: Lessons From Disorders of Tubular Transport. American Journal of Kidney Diseases, 2013, 62, 377-383.	1.9	27
112	Calcium Channels. , 2013, , 2167-2185.		0
113	A molecular update on pseudohypoaldosteronism type II. American Journal of Physiology - Renal Physiology, 2013, 305, F1513-F1520.	2.7	49
114	Laboratory aspects of circulating Â-Klotho. Nephrology Dialysis Transplantation, 2013, 28, 2283-2287.	0.7	75
115	Elucidation of the distal convoluted tubule transcriptome identifies new candidate genes involved in renal Mg²⁺ handling. American Journal of Physiology - Renal Physiology, 2013, 305, F1563-F1573.	2.7	46
116	New TRPC6 gain-of-function mutation in a non-consanguineous Dutch family with late-onset focal segmental glomerulosclerosis. Nephrology Dialysis Transplantation, 2013, 28, 1830-1838.	0.7	47
117	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
118	A primary culture of distal convoluted tubules expressing functional thiazide-sensitive NaCl transport. American Journal of Physiology - Renal Physiology, 2012, 303, F886-F892.	2.7	31
119	Drug-induced alterations in Mg2+ homoeostasis. Clinical Science, 2012, 123, 1-14.	4.3	58
120	Functional TRPV6 channels are crucial for transepithelial Ca²⁺absorption. American Journal of Physiology - Renal Physiology, 2012, 303, G879-G885.	3.4	59
121	Regulation of magnesium balance: lessons learned from human genetic disease. CKJ: Clinical Kidney Journal, 2012, 5, i15-i24.	2.9	123
122	Urinary Plasmin Inhibits TRPV5 in Nephrotic-Range Proteinuria. Journal of the American Society of Nephrology: JASN, 2012, 23, 1824-1834.	6.1	19
123	Membrane Topology and Intracellular Processing of Cyclin M2 (CNNM2). Journal of Biological Chemistry, 2012, 287, 13644-13655.	3.4	86
124	Characterization of vitamin D-deficient klotho-/- mice: do increased levels of serum 1,25(OH)2D3 cause disturbed calcium and phosphate homeostasis in klotho-/- mice?. Nephrology Dialysis Transplantation, 2012, 27, 4061-4068.	0.7	19
125	Sensing mechanisms involved in Ca2+ and Mg2+ homeostasis. Kidney International, 2012, 82, 1157-1166.	5.2	45
126	The transient receptor potential channel TRPV6 is dynamically expressed in bone cells but is not crucial for bone mineralization in mice. Journal of Cellular Physiology, 2012, 227, 1951-1959.	4.1	36

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127	Transport of Calcium, Magnesium, and Phosphate. , 2012, , 226-251.		8
128	Transient Receptor Potential Melastatin 6 Knockout Mice Are Lethal whereas Heterozygous Deletion Results in Mild Hypomagnesemia. Nephron Physiology, 2011, 117, p11-p19.	1.2	72
129	Angiotensin II Contributes to Podocyte Injury by Increasing TRPC6 Expression via an NFAT-Mediated Positive Feedback Signaling Pathway. American Journal of Pathology, 2011, 179, 1719-1732.	3.8	180
130	HNF-1B specifically regulates the transcription of the Î³a-subunit of the Na+/K+-ATPase. Biochemical and Biophysical Research Communications, 2011, 404, 284-290.	2.1	64
131	Insight into renal Mg2+ transporters. Current Opinion in Nephrology and Hypertension, 2011, 20, 169-176.	2.0	36
132	Molecular basis of epithelial Ca²⁺ and Mg²⁺ transport: insights from the TRP channel family. Journal of Physiology, 2011, 589, 1535-1542.	2.9	84
133	Role of the Calcium-Sensing Receptor in Reducing the Risk for Calcium Stones. Clinical Journal of the American Society of Nephrology: CJASN, 2011, 6, 2076-2082.	4.5	18
134	Î³-Adducin Stimulates the Thiazide-sensitive NaCl Cotransporter. Journal of the American Society of Nephrology: JASN, 2011, 22, 508-517.	6.1	21
135	Role of the Transient Receptor Potential Vanilloid 5 (TRPV5) Protein N Terminus in Channel Activity, Tetramerization, and Trafficking. Journal of Biological Chemistry, 2011, 286, 32132-32139.	3.4	18
136	Novel molecular pathways in renal Mg2+ transport: a guided tour along the nephron. Current Opinion in Nephrology and Hypertension, 2010, 19, 456-462.	2.0	27
137	A helix-breaking mutation in the epithelial Ca2+ channel TRPV5 leads to reduced Ca2+-dependent inactivation. Cell Calcium, 2010, 48, 275-287.	2.4	13
138	Methionine Sulfoxide Reductase B1 (MsrB1) Recovers TRPM6 Channel Activity during Oxidative Stress. Journal of Biological Chemistry, 2010, 285, 26081-26087.	3.4	71
139	Functional Analysis of the Kv1.1 N255D Mutation Associated with Autosomal Dominant Hypomagnesemia. Journal of Biological Chemistry, 2010, 285, 171-178.	3.4	50
140	Calcitonin-stimulated renal Ca2+ reabsorption occurs independently of TRPV5. Nephrology Dialysis Transplantation, 2010, 25, 1428-1435.	0.7	14
141	Testosterone increases urinary calcium excretion and inhibits expression of renal calcium transport proteins. Kidney International, 2010, 77, 601-608.	5.2	63
142	Involvement of claudin 3 and claudin 4 in idiopathic infantile hypercalcaemia: a novel hypothesis?. Nephrology Dialysis Transplantation, 2010, 25, 3504-3509.	0.7	12
143	The Identification of Histidine 712 as a Critical Residue for Constitutive TRPV5 Internalization. Journal of Biological Chemistry, 2010, 285, 28481-28487.	3.4	13
144	New molecular players facilitating Mg2+ reabsorption in the distal convoluted tubule. Kidney International, 2010, 77, 17-22.	5.2	61

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145	Epithelial Mg2+ channel TRPM6: insight into theÂmolecular regulation. Magnesium Research, 2009, 22, 127-132.	0.5	31
146	Parathyroid Hormone Activates TRPV5 via PKA-Dependent Phosphorylation. Journal of the American Society of Nephrology: JASN, 2009, 20, 1693-1704.	6.1	142
147	Conditional fast expression and function of multimeric TRPV5 channels using Shield-1. American Journal of Physiology - Renal Physiology, 2009, 296, F204-F211.	2.7	6
148	New molecular insights in calcium and magnesium (re)absorption. Comparative Biochemistry and Physiology Part A, Molecular & Integrative Physiology, 2009, 153, S78.	1.8	0
149	Activation of the Ca2+-sensing receptor stimulates the activity of the epithelial Ca2+ channel TRPV5. Cell Calcium, 2009, 45, 331-339.	2.4	82
150	Active Ca2+ reabsorption in the connecting tubule. Pflugers Archiv European Journal of Physiology, 2009, 458, 99-109.	2.8	108
151	The role of transient receptor potential channels in kidney disease. Nature Reviews Nephrology, 2009, 5, 441-449.	9.6	125
152	Regulation of magnesium reabsorption in DCT. Pflugers Archiv European Journal of Physiology, 2009, 458, 89-98.	2.8	31
153	Identification of Nipsnap1 as a novel auxiliary protein inhibiting TRPV6 activity. Pflugers Archiv European Journal of Physiology, 2008, 457, 91-101.	2.8	26
154	Bone Resorption Inhibitor Alendronate Normalizes the Reduced Bone Thickness of TRPV5â^'/â^' Mice. Journal of Bone and Mineral Research, 2008, 23, 1815-1824.	2.8	25
155	RACK1 Inhibits TRPM6 Activity via Phosphorylation of the Fused Î±-Kinase Domain. Current Biology, 2008, 18, 168-176.	3.9	67
156	Murine TNFÎ"ARE CrohnÊ¼s disease model displays diminished expression of intestinal Ca2+ transporters. Inflammatory Bowel Diseases, 2008, 14, 803-811.	1.9	41
157	TRPV5: an ingeniously controlled calcium channel. Kidney International, 2008, 74, 1241-1246.	5.2	76
158	TRPV5 Is Internalized via Clathrin-dependent Endocytosis to Enter a Ca2+-controlled Recycling Pathway. Journal of Biological Chemistry, 2008, 283, 4077-4086.	3.4	35
159	Epidermal Growth Factor Receptor Signaling in the Kidney. Hypertension, 2008, 52, 987-993.	2.7	94
160	Role of the Î±-Kinase Domain in Transient Receptor Potential Melastatin 6 Channel and Regulation by Intracellular ATP. Journal of Biological Chemistry, 2008, 283, 19999-20007.	3.4	48
161	Calciotropic and Magnesiotropic TRP Channels. Physiology, 2008, 23, 32-40.	3.1	87
162	Insight into the molecular regulation of the epithelial magnesium channel TRPM6. Current Opinion in Nephrology and Hypertension, 2008, 17, 373-378.	2.0	16

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163	Calcium Channels. , 2008, , 1769-1783.		0
164	Prednisolone-induced Ca²⁺malabsorption is caused by diminished expression of the epithelial Ca²⁺channel TRPV6. American Journal of Physiology - Renal Physiology, 2007, 292, G92-G97.	3.4	99
165	Regulation of the epithelial calcium channel TRPV5 by extracellular factors. Current Opinion in Nephrology and Hypertension, 2007, 16, 319-324.	2.0	33
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