Joost G J Hoenderop

List of Publications by Year
in descending order

243 papers	16,316 citations	16411 64 h-index	19136 118 g-index
247 all docs	247 docs citations	247 times ranked	10315 citing authors

#	Article	IF	Citations
1	Magnesium in Man: Implications for Health and Disease. Physiological Reviews, 2015, 95, 1-46.	13.1	1,099
2	Calcium Absorption Across Epithelia. Physiological Reviews, 2005, 85, 373-422.	13.1	746
3	TRPM6 Forms the Mg2+ Influx Channel Involved in Intestinal and Renal Mg2+ Absorption. Journal of Biological Chemistry, 2004, 279, 19-25.	1.6	552
4	Molecular Identification of the Apical Ca2+Channel in 1,25-Dihydroxyvitamin D3-responsive Epithelia. Journal of Biological Chemistry, 1999, 274, 8375-8378.	1.6	534
5	Enhanced passive Ca2+ reabsorption and reduced Mg2+ channel abundance explains thiazide-induced hypocalciuria and hypomagnesemia. Journal of Clinical Investigation, 2005, 115, 1651-1658.	3.9	410
6	Renal Ca2+ wasting, hyperabsorption, and reduced bone thickness in mice lacking TRPV5. Journal of Clinical Investigation, 2003, 112, 1906-1914.	3.9	406
7	Distribution of transcellular calcium and sodium transport pathways along mouse distal nephron. American Journal of Physiology - Renal Physiology, 2001, 281, F1021-F1027.	1.3	297
8	Permeation and Gating Properties of the Novel Epithelial Ca2+ Channel. Journal of Biological Chemistry, 2000, 275, 3963-3969.	1.6	288
9	Functional expression of the epithelial Ca2+ channels (TRPV5 and TRPV6) requires association of the S100A10-annexin 2 complex. EMBO Journal, 2003, 22, 1478-1487.	3.5	253
10	Modulation of renal Ca2+transport protein genes by dietary Ca2+and 1,25â€•dihydroxyvitamin D3in 25hydroxyvitamin D3â€•1Î±â€•hydroxylase knockout mice. FASEB Journal, 2002, 16, 1398-1406.	0.2	228
11	Molecular Mechanism of Active Ca2+Reabsorption in the Distal Nephron. Annual Review of Physiology, 2002, 64, 529-549.	5.6	221
12	Calcitriol Controls the Epithelial Calcium Channel in Kidney. Journal of the American Society of Nephrology: JASN, 2001, 12, 1342-1349.	3.0	220
13	Hypomagnesemia in Type 2 Diabetes: A Vicious Circle?. Diabetes, 2016, 65, 3-13.	0.3	217
14	CaT1 and the Calcium Release-activated Calcium Channel Manifest Distinct Pore Properties. Journal of Biological Chemistry, 2001, 276, 47767-47770.	1.6	212
15	Altered Renal Distal Tubule Structure and Renal Na+ and Ca2+ Handling in a Mouse Model for Gitelman's Syndrome. Journal of the American Society of Nephrology: JASN, 2004, 15, 2276-2288.	3.0	205
16	Renal Ca2+ wasting, hyperabsorption, and reduced bone thickness in mice lacking TRPV5. Journal of Clinical Investigation, 2003, 112, 1906-1914.	3.9	202
17	Magnesium wasting associated with epidermal-growth-factor receptor-targeting antibodies in colorectal cancer: a prospective study. Lancet Oncology, The, 2007, 8, 387-394.	5.1	200
18	Localization of the Epithelial Ca2+ Channel in Rabbit Kidney and Intestine. Journal of the American Society of Nephrology: JASN, 2000, 11, 1171-1178.	3.0	196

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19	The epithelial calcium channels, TRPV5 & TRPV6: from identification towards regulation. Cell Calcium, 2003, 33, 497-507.	1.1	187
20	Localization and Regulation of the Epithelial Ca2+ Channel TRPV6 in the Kidney. Journal of the American Society of Nephrology: JASN, 2003, 14, 2731-2740.	3.0	185
21	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.	1.9	180
22	Coordinated control of renal Ca2+ transport proteins by parathyroid hormone. Kidney International, 2005, 68, 1708-1721.	2.6	179
23	Downregulation of Ca2+ and Mg2+ Transport Proteins in the Kidney Explains Tacrolimus (FK506)-Induced Hypercalciuria and Hypomagnesemia. Journal of the American Society of Nephrology: JASN, 2004, 15, 549-557.	3.0	169
24	The epithelial Ca2+ channel TRPV5 is essential for proper osteoclastic bone resorption. Proceedings of the National Academy of Sciences of the United States of America, 2005, 102, 17507-17512.	3.3	164
25	The Single Pore Residue Asp542 Determines Ca2+ Permeation and Mg2+ Block of the Epithelial Ca2+ Channel. Journal of Biological Chemistry, 2001, 276, 1020-1025.	1.6	161
26	Epithelial Ca2+ and Mg2+ Channels in Health and Disease. Journal of the American Society of Nephrology: JASN, 2005, 16, 15-26.	3.0	160
27	Regulation of the epithelial Ca²⁺channels in small intestine as studied by quantitative mRNA detection. American Journal of Physiology - Renal Physiology, 2003, 285, G78-G85.	1.6	155
28	Wholeâ€€cell and single channel monovalent cation currents through the novel rabbit epithelial Ca 2+ channel ECaC. Journal of Physiology, 2000, 527, 239-248.	1.3	145
29	Acid-Base Status Determines the Renal Expression of Ca2+ and Mg2+ Transport Proteins. Journal of the American Society of Nephrology: JASN, 2006, 17, 617-626.	3.0	142
30	Parathyroid Hormone Activates TRPV5 via PKA-Dependent Phosphorylation. Journal of the American Society of Nephrology: JASN, 2009, 20, 1693-1704.	3.0	142
31	1,25-Dihydroxyvitamin D3-Independent Stimulatory Effect of Estrogen on the Expression of ECaC1 in the Kidney. Journal of the American Society of Nephrology: JASN, 2002, 13, 2102-2109.	3.0	132
32	Regulation of the Mouse Epithelial Ca2+ Channel TRPV6 by the Ca2+-sensor Calmodulin. Journal of Biological Chemistry, 2004, 279, 28855-28861.	1.6	126
33	The role of transient receptor potential channels in kidney disease. Nature Reviews Nephrology, 2009, 5, 441-449.	4.1	125
34	Regulation of magnesium balance: lessons learned from human genetic disease. CKJ: Clinical Kidney Journal, 2012, 5, i15-i24.	1.4	123
35	Direct Interaction with Rab11a Targets the Epithelial Ca 2+ Channels TRPV5 and TRPV6 to the Plasma Membrane. Molecular and Cellular Biology, 2006, 26, 303-312.	1.1	120
36	CNNM2 Mutations Cause Impaired Brain Development and Seizures in Patients with Hypomagnesemia. PLoS Genetics, 2014, 10, e1004267.	1.5	118

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37	TRPV5 and TRPV6 in Ca2+ (re)absorption: regulating Ca2+ entry at the gate. Pflugers Archiv European Journal of Physiology, 2005, 451, 181-192.	1.3	111
38	Active Ca2+ reabsorption in the connecting tubule. Pflugers Archiv European Journal of Physiology, 2009, 458, 99-109.	1.3	108
39	Thiazide-induced hypocalciuria is accompanied by a decreased expression of Ca2+ transport proteins in kidney. Kidney International, 2003, 64, 555-564.	2.6	107
40	Pharmacological modulation of monovalent cation currents through the epithelial Ca2+ channel ECaC1. British Journal of Pharmacology, 2001, 134, 453-462.	2.7	106
41	The Epithelial Calcium Channel, ECaC, Is Activated by Hyperpolarization and Regulated by Cytosolic Calcium. Biochemical and Biophysical Research Communications, 1999, 261, 488-492.	1.0	104
42	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.	1.6	99
43	Epidermal Growth Factor Receptor Signaling in the Kidney. Hypertension, 2008, 52, 987-993.	1.3	94
44	Fast and Slow Inactivation Kinetics of the Ca2+Channels ECaC1 and ECaC2 (TRPV5 and TRPV6). Journal of Biological Chemistry, 2002, 277, 30852-30858.	1.6	92
45	Epithelial calcium channels: from identification to function and regulation. Pflugers Archiv European Journal of Physiology, 2003, 446, 304-308.	1.3	90
46	Regulation of TRPV5 and TRPV6 by associated proteins. American Journal of Physiology - Renal Physiology, 2006, 290, F1295-F1302.	1.3	87
47	Calciotropic and Magnesiotropic TRP Channels. Physiology, 2008, 23, 32-40.	1.6	87
48	Membrane Topology and Intracellular Processing of Cyclin M2 (CNNM2). Journal of Biological Chemistry, 2012, 287, 13644-13655.	1.6	86
49	Toward a comprehensive molecular model of active calcium reabsorption. American Journal of Physiology - Renal Physiology, 2000, 278, F352-F360.	1.3	85
50	Hypervitaminosis D Mediates Compensatory Ca2+ Hyperabsorption in TRPV5 Knockout Mice. Journal of the American Society of Nephrology: JASN, 2005, 16, 3188-3195.	3.0	85
51	Molecular basis of epithelial Ca²⁺ and Mg²⁺ transport: insights from the TRP channel family. Journal of Physiology, 2011, 589, 1535-1542.	1.3	84
52	The epithelial calcium channels TRPV5 and TRPV6: regulation and implications for disease. Naunyn-Schmiedeberg's Archives of Pharmacology, 2005, 371, 295-306.	1.4	83
53	Activation of the Ca2+-sensing receptor stimulates the activity of the epithelial Ca2+ channel TRPV5. Cell Calcium, 2009, 45, 331-339.	1.1	82
54	Magnesium prevents vascular calcification in vitro by inhibition of hydroxyapatite crystal formation. Scientific Reports, 2018, 8, 2069.	1.6	82

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55	Molecular Determinants in TRPV5 Channel Assembly. Journal of Biological Chemistry, 2004, 279, 54304-54311.	1.6	79
56	TRPV5: an ingeniously controlled calcium channel. Kidney International, 2008, 74, 1241-1246.	2.6	76
57	Laboratory aspects of circulating Â-Klotho. Nephrology Dialysis Transplantation, 2013, 28, 2283-2287.	0.4	75
58	Pore properties and ionic block of the rabbit epithelial calcium channel expressed in HEK 293 cells. Journal of Physiology, 2001, 530, 183-191.	1.3	73
59	Transient Receptor Potential Melastatin 6 Knockout Mice Are Lethal whereas Heterozygous Deletion Results in Mild Hypomagnesemia. Nephron Physiology, 2011, 117, p11-p19.	1.5	72
60	Gene Structure and Chromosomal Mapping of Human Epithelial Calcium Channel. Biochemical and Biophysical Research Communications, 2000, 275, 47-52.	1.0	71
61	Tissue kallikrein stimulates Ca2+ reabsorption via PKC-dependent plasma membrane accumulation of TRPV5. EMBO Journal, 2006, 25, 4707-4716.	3.5	71
62	Methionine Sulfoxide Reductase B1 (MsrB1) Recovers TRPM6 Channel Activity during Oxidative Stress. Journal of Biological Chemistry, 2010, 285, 26081-26087.	1.6	71
63	(Patho)physiological implications of the novel epithelial Ca2+ channels TRPV5 and TRPV6. Pflugers Archiv European Journal of Physiology, 2003, 446, 401-409.	1.3	70
64	Hormone-stimulated Ca2+ reabsorption in rabbit kidney cortical collecting system is cAMP-independent and involves a phorbol ester-insensitive PKC isotype. Kidney International, 1999, 55, 225-233.	2.6	68
65	Mutations in PCBD1 Cause Hypomagnesemia and Renal Magnesium Wasting. Journal of the American Society of Nephrology: JASN, 2014, 25, 574-586.	3.0	68
66	RACK1 Inhibits TRPM6 Activity via Phosphorylation of the Fused Î±-Kinase Domain. Current Biology, 2008, 18, 168-176.	1.8	67
67	80K-H as a New Ca2+ Sensor Regulating the Activity of the Epithelial Ca2+ Channel Transient Receptor Potential Cation Channel V5 (TRPV5). Journal of Biological Chemistry, 2004, 279, 26351-26357.	1.6	65
68	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.	1.9	65
69	HNF-1B specifically regulates the transcription of the Î³a-subunit of the Na+/K+-ATPase. Biochemical and Biophysical Research Communications, 2011, 404, 284-290.	1.0	64
70	Testosterone increases urinary calcium excretion and inhibits expression of renal calcium transport proteins. Kidney International, 2010, 77, 601-608.	2.6	63
71	Glucose Specifically Regulates TRPC6 Expression in the Podocyte in an AngII-Dependent Manner. American Journal of Pathology, 2014, 184, 1715-1726.	1.9	62
72	New molecular players facilitating Mg2+ reabsorption in the distal convoluted tubule. Kidney International, 2010, 77, 17-22.	2.6	61

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73	TRP channels in kidney disease. Biochimica Et Biophysica Acta - Molecular Basis of Disease, 2007, 1772, 928-936.	1.8	60
74	Regulation of gene expression by dietary Ca2+ in kidneys of 25-hydroxyvitamin D3-1Î±-hydroxylase knockout mice. Kidney International, 2004, 65, 531-539.	2.6	59
75	Functional TRPV6 channels are crucial for transepithelial Ca²⁺absorption. American Journal of Physiology - Renal Physiology, 2012, 303, G879-G885.	1.6	59
76	Determinants of hypomagnesemia in patients with type 2 diabetes mellitus. European Journal of Endocrinology, 2017, 176, 11-19.	1.9	59
77	ECaC: the gatekeeper of transepithelial Ca2+ transport. Biochimica Et Biophysica Acta - Proteins and Proteomics, 2002, 1600, 6-11.	1.1	58
78	Drug-induced alterations in Mg2+ homoeostasis. Clinical Science, 2012, 123, 1-14.	1.8	58
79	The carboxyl terminus of the epithelial Ca2+ channel ECaC1 is involved in Ca2+-dependent inactivation. Pflugers Archiv European Journal of Physiology, 2003, 445, 584-588.	1.3	56
80	Tissue Kallikreinâ€“Deficient Mice Display a Defect in Renal Tubular Calcium Absorption. Journal of the American Society of Nephrology: JASN, 2005, 16, 3602-3610.	3.0	54
81	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
82	Age-dependent alterations in Ca2+ homeostasis: role of TRPV5 and TRPV6. American Journal of Physiology - Renal Physiology, 2006, 291, F1177-F1183.	1.3	52
83	A Novel Hypokalemic-Alkalotic Salt-Losing Tubulopathy in Patients with CLDN10 Mutations. Journal of the American Society of Nephrology: JASN, 2017, 28, 3118-3128.	3.0	52
84	Modulation of the epithelial Ca 2+ channel ECaC by extracellular pH. Pflugers Archiv European Journal of Physiology, 2001, 442, 237-242.	1.3	51
85	Regulation of the epithelial Ca2+ channels TRPV5 and TRPV6 by 1Î±,25-dihydroxy Vitamin D3 and dietary Ca2+. Journal of Steroid Biochemistry and Molecular Biology, 2004, 89-90, 303-308.	1.2	51
86	Recurrent FXYD2 p.Gly41Arg mutation in patients with isolated dominant hypomagnesaemia. Nephrology Dialysis Transplantation, 2015, 30, 952-957.	0.4	51
87	Functional Analysis of the Kv1.1 N255D Mutation Associated with Autosomal Dominant Hypomagnesemia. Journal of Biological Chemistry, 2010, 285, 171-178.	1.6	50
88	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.	1.3	50
89	Cisplatin-induced injury of the renal distal convoluted tubule is associated with hypomagnesaemia in mice. Nephrology Dialysis Transplantation, 2013, 28, 879-889.	0.4	50
90	Identification of SLC41A3 as a novel player in magnesium homeostasis. Scientific Reports, 2016, 6, 28565.	1.6	50

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91	Magnesium prevents vascular calcification inÂKlotho deficiency. Kidney International, 2020, 97, 487-501.	2.6	50
92	A molecular update on pseudohypoaldosteronism type II. American Journal of Physiology - Renal Physiology, 2013, 305, F1513-F1520.	1.3	49
93	Effects of vitamin D compounds on renal and intestinal Ca2+ transport proteins in 25-hydroxyvitamin D3-1Î±-hydroxylase knockout mice1. Kidney International, 2004, 66, 1082-1089.	2.6	48
94	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.	1.6	48
95	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.	0.4	47
96	Segmental transport of Ca²⁺and Mg²⁺along the gastrointestinal tract. American Journal of Physiology - Renal Physiology, 2015, 308, G206-G216.	1.6	47
97	Recent advances in renal tubular calcium reabsorption. Current Opinion in Nephrology and Hypertension, 2006, 15, 524-529.	1.0	46
98	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.	1.3	46
99	Hypomagnesemia as First Clinical Manifestation of ADTKD-HNF1B: A Case Series and Literature Review. American Journal of Nephrology, 2015, 42, 85-90.	1.4	46
100	Shedding of klotho by ADAMs in the kidney. American Journal of Physiology - Renal Physiology, 2015, 309, F359-F368.	1.3	46
101	Sensing mechanisms involved in Ca2+ and Mg2+ homeostasis. Kidney International, 2012, 82, 1157-1166.	2.6	45
102	Development of a living membrane comprising a functional human renal proximal tubule cell monolayer on polyethersulfone polymeric membrane. Acta Biomaterialia, 2015, 14, 22-32.	4.1	45
103	Vitamin D Down-Regulates TRPC6 Expression in Podocyte Injury and Proteinuric Glomerular Disease. American Journal of Pathology, 2013, 182, 1196-1204.	1.9	44
104	Uromodulin regulates renal magnesium homeostasis through the ion channel transient receptor potential melastatin 6 (TRPM6). Journal of Biological Chemistry, 2018, 293, 16488-16502.	1.6	43
105	Calciprotein particle inhibition explains magnesium-mediated protection against vascular calcification. Nephrology Dialysis Transplantation, 2020, 35, 765-773.	0.4	43
106	Epithelial Ca2+ channel (ECAC1) in autosomal dominant idiopathic hypercalciuria. Nephrology Dialysis Transplantation, 2002, 17, 1614-1620.	0.4	42
107	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.	1.3	42
108	The Epithelial Calcium Channel TRPV5 Is Regulated Differentially by Klotho and Sialidase. Journal of Biological Chemistry, 2013, 288, 29238-29246.	1.6	42

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109	Epithelial calcium channel: gate-keeper of active calcium reabsorption. Current Opinion in Nephrology and Hypertension, 2000, 9, 335-340.	1.0	41
110	Murine TNFÎ"ARE CrohnÊ¼s disease model displays diminished expression of intestinal Ca2+ transporters. Inflammatory Bowel Diseases, 2008, 14, 803-811.	0.9	41
111	Loss of transcriptional activation of the potassium channel Kir5.1 by HNF1Î² drives autosomal dominant tubulointerstitial kidney disease. Kidney International, 2017, 92, 1145-1156.	2.6	41
112	Sensing of tubular flow and renal electrolyte transport. Nature Reviews Nephrology, 2020, 16, 337-351.	4.1	41
113	The rise and fall of novel renal magnesium transporters. American Journal of Physiology - Renal Physiology, 2018, 314, F1027-F1033.	1.3	40
114	Inhibition of PRL-2Â·CNNM3 Protein Complex Formation Decreases Breast Cancer Proliferation and Tumor Growth. Journal of Biological Chemistry, 2016, 291, 10716-10725.	1.6	39
115	Vitamin D attenuates proteinuria by inhibition of heparanase expression in the podocyte. Journal of Pathology, 2015, 237, 472-481.	2.1	38
116	Characterization of a murine renal distal convoluted tubule cell line for the study of transcellular calcium transport. American Journal of Physiology - Renal Physiology, 2004, 286, F483-F489.	1.3	37
117	The immunophilin FKBP52 inhibits the activity of the epithelial Ca2+ channel TRPV5. American Journal of Physiology - Renal Physiology, 2006, 290, F1253-F1259.	1.3	36
118	Insight into renal Mg2+ transporters. Current Opinion in Nephrology and Hypertension, 2011, 20, 169-176.	1.0	36
119	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.	2.0	36
120	TRPV5 Is Internalized via Clathrin-dependent Endocytosis to Enter a Ca2+-controlled Recycling Pathway. Journal of Biological Chemistry, 2008, 283, 4077-4086.	1.6	35
121	Mg2+ homeostasis. Current Opinion in Nephrology and Hypertension, 2014, 23, 361-369.	1.0	35
122	Autosomal Dominant Hypercalciuria in a Mouse Model Due to a Mutation of the Epithelial Calcium Channel, TRPV5. PLoS ONE, 2013, 8, e55412.	1.1	35
123	Genome-Wide Meta-Analysis Unravels Interactions between Magnesium Homeostasis and Metabolic Phenotypes. Journal of the American Society of Nephrology: JASN, 2018, 29, 335-348.	3.0	34
124	Regulation of the epithelial calcium channel TRPV5 by extracellular factors. Current Opinion in Nephrology and Hypertension, 2007, 16, 319-324.	1.0	33
125	Function and Regulation of the Na+-Ca2+ Exchanger NCX3 Splice Variants in Brain and Skeletal Muscle. Journal of Biological Chemistry, 2014, 289, 11293-11303.	1.6	33
126	Coordinated regulation of TRPV5-mediated Ca2+ transport in primary distal convolution cultures. Pflugers Archiv European Journal of Physiology, 2014, 466, 2077-2087.	1.3	33

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127	Interaction of the epithelial Ca2+ channels TRPV5 and TRPV6 with the intestine- and kidney-enriched PDZ protein NHERF4. Pflugers Archiv European Journal of Physiology, 2006, 452, 407-417.	1.3	32
128	Low gut microbiota diversity and dietary magnesium intake are associated with the development of PPIâ€induced hypomagnesemia. FASEB Journal, 2019, 33, 11235-11246.	0.2	32
129	Epithelial Mg2+ channel TRPM6: insight into theÂmolecular regulation. Magnesium Research, 2009, 22, 127-132.	0.4	31
130	Regulation of magnesium reabsorption in DCT. Pflugers Archiv European Journal of Physiology, 2009, 458, 89-98.	1.3	31
131	A primary culture of distal convoluted tubules expressing functional thiazide-sensitive NaCl transport. American Journal of Physiology - Renal Physiology, 2012, 303, F886-F892.	1.3	31
132	Recent Advances in Extracellular Vesicles as Drug Delivery Systems and Their Potential in Precision Medicine. Pharmaceutics, 2020, 12, 1006.	2.0	31
133	Mechanisms of proton pump inhibitorâ€induced hypomagnesemia. Acta Physiologica, 2022, 235, .	1.8	31
134	Expression of the Novel Epithelial Ca2+ Channel ECaC1 in Rat Pancreatic Islets. Journal of Histochemistry and Cytochemistry, 2002, 50, 789-798.	1.3	30
135	Identification of BSPRY as a Novel Auxiliary Protein Inhibiting TRPV5 Activity. Journal of the American Society of Nephrology: JASN, 2006, 17, 26-30.	3.0	30
136	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.	1.0	30
137	NaCl cotransporter abundance in urinary vesicles is increased by calcineurin inhibitors and predicts thiazide sensitivity. PLoS ONE, 2017, 12, e0176220.	1.1	30
138	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.	2.3	30
139	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.	0.7	29
140	SLC41A1 is essential for magnesium homeostasis in vivo. Pflugers Archiv European Journal of Physiology, 2019, 471, 845-860.	1.3	29
141	Novel molecular pathways in renal Mg2+ transport: a guided tour along the nephron. Current Opinion in Nephrology and Hypertension, 2010, 19, 456-462.	1.0	27
142	Evaluation of Hypomagnesemia: Lessons From Disorders of Tubular Transport. American Journal of Kidney Diseases, 2013, 62, 377-383.	2.1	27
143	P2X4 receptor regulation of transient receptor potential melastatin type 6 (TRPM6) Mg2+ channels. Pflugers Archiv European Journal of Physiology, 2014, 466, 1941-1952.	1.3	27
144	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.	1.3	27

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145	Identification of Nipsnap1 as a novel auxiliary protein inhibiting TRPV6 activity. Pflugers Archiv European Journal of Physiology, 2008, 457, 91-101.	1.3	26
146	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.	1.8	26
147	Routine hemodialysis induces a decline in plasma magnesium concentration in most patients: a prospective observational cohort study. Scientific Reports, 2018, 8, 10256.	1.6	26
148	Bone Resorption Inhibitor Alendronate Normalizes the Reduced Bone Thickness of TRPV5âˆ’/âˆ’ Mice. Journal of Bone and Mineral Research, 2008, 23, 1815-1824.	3.1	25
149	Nephron mass determines the excretion rate of urinary extracellular vesicles. Journal of Extracellular Vesicles, 2022, 11, e12181.	5.5	25
150	Dietary Inulin Fibers Prevent Proton-Pump Inhibitor (PPI)-Induced Hypocalcemia in Mice. PLoS ONE, 2015, 10, e0138881.	1.1	24
151	Epithelial Ca2+ and Mg2+ Channels in Kidney Disease. Advances in Chronic Kidney Disease, 2006, 13, 110-117.	0.6	23
152	Na/P i cotransporter (Npt2) gene disruption increases duodenal calcium absorption and expression of epithelial calcium channels 1 and 2. Pflugers Archiv European Journal of Physiology, 2002, 444, 670-676.	1.3	22
153	Thrombin receptor deficiency leads to a high bone mass phenotype by decreasing the RANKL/OPG ratio. Bone, 2015, 72, 14-22.	1.4	22
154	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.	1.3	22
155	Magnesium to prevent kidney diseaseâ€"associated vascular calcification: crystal clear?. Nephrology Dialysis Transplantation, 2022, 37, 421-429.	0.4	22
156	The epithelial calcium channel, ECaC1: molecular details of a novel player in renal calcium handling. Nephrology Dialysis Transplantation, 2001, 16, 1329-1335.	0.4	21
157	Î³-Adducin Stimulates the Thiazide-sensitive NaCl Cotransporter. Journal of the American Society of Nephrology: JASN, 2011, 22, 508-517.	3.0	21
158	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.	3.0	21
159	The phenotypic and genetic spectrum of patients with heterozygous mutations in cyclin M2 (CNNM2). Human Mutation, 2021, 42, 473-486.	1.1	21
160	Serum Magnesium Is Inversely Associated With Heart Failure, Atrial Fibrillation, and Microvascular Complications in Type 2 Diabetes. Diabetes Care, 2021, 44, 1757-1765.	4.3	21
161	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.	1.3	20
162	1,25-Vitamin D3 Deficiency Induces Albuminuria. American Journal of Pathology, 2016, 186, 794-804.	1.9	20

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