

Jenny Aj Van Der Wijst

List of Publications by Year in descending order

Source: <https://exaly.com/author-pdf/3136359/publications.pdf>

Version: 2024-02-01

35
papers

1,515
citations

394390

19
h-index

377849

34
g-index

38
all docs

38
docs citations

38
times ranked

1884
citing authors

#	ARTICLE	IF	CITATIONS
1	Impaired basolateral sorting of pro-EGF causes isolated recessive renal hypomagnesemia. <i>Journal of Clinical Investigation</i> , 2007, 117, 2260-2267.	8.2	307
2	A missense mutation in the Kv1.1 voltage-gated potassium channelâ€œencoding gene KCNA1 is linked to human autosomal dominant hypomagnesemia. <i>Journal of Clinical Investigation</i> , 2009, 119, 936-942.	8.2	138
3	Targeted Next-Generation Sequencing of a 12.5 Mb Homozygous Region Reveals ANO10 Mutations in Patients with Autosomal-Recessive Cerebellar Ataxia. <i>American Journal of Human Genetics</i> , 2010, 87, 813-819.	6.2	125
4	Structural insight into TRPV5 channel function and modulation. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , 2019, 116, 8869-8878.	7.1	78
5	Methionine Sulfoxide Reductase B1 (MsrB1) Recovers TRPM6 Channel Activity during Oxidative Stress. <i>Journal of Biological Chemistry</i> , 2010, 285, 26081-26087.	3.4	71
6	New TRPM6 missense mutations linked to hypomagnesemia with secondary hypocalcemia. <i>European Journal of Human Genetics</i> , 2014, 22, 497-504.	2.8	70
7	RACK1 Inhibits TRPM6 Activity via Phosphorylation of the Fused Î±-Kinase Domain. <i>Current Biology</i> , 2008, 18, 168-176.	3.9	67
8	TRP channels in calcium homeostasis: from hormonal control to structure-function relationship of TRPV5 and TRPV6. <i>Biochimica Et Biophysica Acta - Molecular Cell Research</i> , 2017, 1864, 883-893.	4.1	65
9	Regulation of the Epithelial Mg ²⁺ Channel TRPM6 by Estrogen and the Associated Repressor Protein of Estrogen Receptor Activity (REA). <i>Journal of Biological Chemistry</i> , 2009, 284, 14788-14795.	3.4	63
10	Learning Physiology from Inherited Kidney Disorders. <i>Physiological Reviews</i> , 2019, 99, 1575-1653.	28.8	60
11	Functional Analysis of the Kv1.1 N255D Mutation Associated with Autosomal Dominant Hypomagnesemia. <i>Journal of Biological Chemistry</i> , 2010, 285, 171-178.	3.4	50
12	Renal Handling of Circulating and Renal-Synthesized Hepcidin and Its Protective Effects against Hemoglobinâ€œMediated Kidney Injury. <i>Journal of the American Society of Nephrology: JASN</i> , 2016, 27, 2720-2732.	6.1	50
13	Effects of the EGFR Inhibitor Erlotinib on Magnesium Handling. <i>Journal of the American Society of Nephrology: JASN</i> , 2010, 21, 1309-1316.	6.1	47
14	Regulation of Two Renal Chloride Transporters, AE1 and Pendrin, by Electrolytes and Aldosterone. <i>PLoS ONE</i> , 2013, 8, e55286.	2.5	36
15	Mg ²⁺ homeostasis. <i>Current Opinion in Nephrology and Hypertension</i> , 2014, 23, 361-369.	2.0	35
16	Low gut microbiota diversity and dietary magnesium intake are associated with the development of PPIâ€œinduced hypomagnesemia. <i>FASEB Journal</i> , 2019, 33, 11235-11246.	0.5	32
17	Epithelial Mg ²⁺ channel TRPM6: insight into theâ€œmolecular regulation. <i>Magnesium Research</i> , 2009, 22, 127-132.	0.5	31
18	Effects of a high-sodium/low-potassium diet on renal calcium, magnesium, and phosphate handling. <i>American Journal of Physiology - Renal Physiology</i> , 2018, 315, F110-F122.	2.7	27

#	ARTICLE	IF	CITATIONS
19	A Gate Hinge Controls the Epithelial Calcium Channel TRPV5. <i>Scientific Reports</i> , 2017, 7, 45489.	3.3	23
20	A de novo <i>KCNA1</i> Mutation in a Patient with Tetany and Hypomagnesemia. <i>Nephron</i> , 2018, 139, 359-366.	1.8	22
21	High-resolution structures of <sc>transient receptor potential vanilloid</sc> channels: Unveiling a functionally diverse group of ion channels. <i>Protein Science</i> , 2020, 29, 1569-1580.	7.6	20
22	TRPV5 in renal tubular calcium handling and its potential relevance for nephrolithiasis. <i>Kidney International</i> , 2019, 96, 1283-1291.	5.2	17
23	Kinase and channel activity of TRPM6 are co-ordinated by a dimerization motif and pocket interaction. <i>Biochemical Journal</i> , 2014, 460, 165-175.	3.7	15
24	Epithelial Mg ²⁺ channel TRPM6: insight into the molecular regulation. <i>Magnesium Research</i> , 2009, 22, 127-32.	0.5	14
25	TRPC5 inhibition to treat progressive kidney disease. <i>Nature Reviews Nephrology</i> , 2018, 14, 145-146.	9.6	9
26	Renal sodium and magnesium reabsorption are not coupled in a mouse model of Gordon syndrome. <i>Physiological Reports</i> , 2018, 6, e13728.	1.7	8
27	Interspecies differences in PTH-mediated PKA phosphorylation of the epithelial calcium channel TRPV5. <i>Pflügers Archiv European Journal of Physiology</i> , 2017, 469, 1301-1311.	2.8	7
28	Urinary Î ² -galactosidase stimulates Ca ²⁺ transport by stabilizing TRPV5 at the plasma membrane. <i>Glycobiology</i> , 2016, 26, 472-481.	2.5	6
29	Possible role for rare <i>TRPM7</i> variants in patients with hypomagnesaemia with secondary hypocalcaemia. <i>Nephrology Dialysis Transplantation</i> , 2023, 38, 679-690.	0.7	6
30	Dominant functional role of the novel phosphorylation site S811 in the human renal NaCl cotransporter. <i>FASEB Journal</i> , 2018, 32, 4482-4493.	0.5	5
31	Role of the alternative splice variant of NCC in blood pressure control. <i>Channels</i> , 2018, 12, 346-355.	2.8	4
32	Colonic expression of calcium transporter TRPV6 is regulated by dietary sodium butyrate. <i>Pflügers Archiv European Journal of Physiology</i> , 2022, 474, 293-302.	2.8	3
33	Modeling Distal Convolute Tubule (Patho)Physiology: An Overview of Past Developments and an Outlook Toward the Future. <i>Tissue Engineering - Part C: Methods</i> , 2021, 27, 200-212.	2.1	2
34	Effects of flow and polycystinâ€1 dysfunction on ATP release in the inner medullary collecting duct of the kidney. <i>FASEB Journal</i> , 2022, 36, .	0.5	0
35	Title: Jealous protons sour another happy marriage; the story of how TRPV5 and PI(4,5)P2 split up.. <i>Cell Calcium</i> , 2022, , 102609.	2.4	0