Marcelo D Carattino

List of Publications by Year
in descending order

40 papers	1,407 citations	331670 21 h-index	377865 34 g-index
40 all docs	40 docs citations	40 times ranked	1362 citing authors

#	Article	IF	Citations
1	Bladder infection with uropathogenic <i>Escherichia coli</i> increases the excitability of afferent neurons. American Journal of Physiology - Renal Physiology, 2022, 322, F1-F13.	2.7	6
2	Functional roles for PIEZO1 and PIEZO2 in urothelial mechanotransduction and lower urinary tract interoception. JCI Insight, 2021, 6, .	5.0	40
3	Acid-sensing ion channels modulate bladder nociception. American Journal of Physiology - Renal Physiology, 2021, 321, F587-F599.	2.7	4
4	The Urothelium: Life in a Liquid Environment. Physiological Reviews, 2020, 100, 1621-1705.	28.8	92
5	Acid-sensing ion channels in sensory signaling. American Journal of Physiology - Renal Physiology, 2020, 318, F531-F543.	2.7	26
6	Paraoxonase 3 functions as a chaperone to decrease functional expression of the epithelial sodium channel. Journal of Biological Chemistry, 2020, 295, 4950-4962.	3.4	6
7	Molecular determinants of afferent sensitization in a rat model of cystitis with urothelial barrier dysfunction. Journal of Neurophysiology, 2019, 122, 1136-1146.	1.8	10
8	Expression and distribution of PIEZO1 in the mouse urinary tract. American Journal of Physiology - Renal Physiology, 2019, 317, F303-F321.	2.7	83
9	Renal sensory nerves increase sympathetic nerve activity and blood pressure in 2-kidney 1-clip hypertensive mice. Journal of Neurophysiology, 2019, 122, 358-367.	1.8	41
10	Urinary K+ promotes irritative voiding symptoms and pain in the face of urothelial barrier dysfunction. Scientific Reports, 2019, 9, 5509.	3.3	13
11	ASIC3 fine-tunes bladder sensory signaling. American Journal of Physiology - Renal Physiology, 2018, 315, F870-F879.	2.7	12
12	Molecular basis of inhibition of acid sensing ion channel 1A by diminazene. PLoS ONE, 2018, 13, e0196894.	2.5	18
13	Cdc42 activation couples fluid shear stress to apical endocytosis in proximal tubule cells. Physiological Reports, 2017, 5, e13460.	1.7	11
14	Urothelial Tight Junction Barrier Dysfunction Sensitizes Bladder Afferents. ENeuro, 2017, 4, ENEURO.0381-16.2017.	1.9	30
15	Expression and Analysis of Flow-regulated Ion Channels in Xenopus Oocytes. Bio-protocol, 2017, 7, .	0.4	3
16	The Thumb Domain Mediates Acid-sensing Ion Channel Desensitization. Journal of Biological Chemistry, 2016, 291, 11407-11419.	3.4	25
17	Cell-specific regulation of L-WNK1 by dietary K⁺. American Journal of Physiology - Renal Physiology, 2016, 310, F15-F26.	2.7	18
18	Increased urothelial paracellular transport promotes cystitis. American Journal of Physiology - Renal Physiology, 2015, 309, F1070-F1081.	2.7	29

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19	Intracellular Na+ Regulates Epithelial Na+ Channel Maturation. Journal of Biological Chemistry, 2015, 290, 11569-11577.	3.4	19
20	Shear Stress Dependent Regulation of Apical Endocytosis in Renal Proximal Tubule Epithelia. FASEB Journal, 2015, 29, 809.4.	0.5	0
21	Prostasin interacts with the epithelial Na⁺channel and facilitates cleavage of the Î³-subunit by a second protease. American Journal of Physiology - Renal Physiology, 2014, 307, F1080-F1087.	2.7	38
22	Shear stress-dependent regulation of apical endocytosis in renal proximal tubule cells mediated by primary cilia. Proceedings of the National Academy of Sciences of the United States of America, 2014, 111, 8506-8511.	7.1	130
23	Independent Contribution of Extracellular Proton Binding Sites to ASIC1a Activation. Journal of Biological Chemistry, 2013, 288, 34375-34383.	3.4	45
24	Gating Transitions in the Palm Domain of ASIC1a*. Journal of Biological Chemistry, 2013, 288, 5487-5495.	3.4	28
25	Bladder filling and voiding affect umbrella cell tight junction organization and function. American Journal of Physiology - Renal Physiology, 2013, 305, F1158-F1168.	2.7	53
26	Contribution of Residues in Second Transmembrane Domain of ASIC1a Protein to Ion Selectivity. Journal of Biological Chemistry, 2012, 287, 12927-12934.	3.4	22
27	Dietary Na + restriction promotes release of an inhibitory tract from the Î³ ENaC subunit. FASEB Journal, 2012, 26, 1068.1.	0.5	0
28	Structural mechanisms underlying the function of epithelial sodium channel/acid-sensing ion channel. Current Opinion in Nephrology and Hypertension, 2011, 20, 555-560.	2.0	8
29	Insights into the Mechanism of Pore Opening of Acid-sensing Ion Channel 1A. Journal of Biological Chemistry, 2011, 286, 16297-16307.	3.4	33
30	Clues to renal sodium retention. American Journal of Physiology - Renal Physiology, 2011, 300, F639-F640.	2.7	2
31	Mutations in the finger domain of the epithelial sodium channel alter the shear stress response. FASEB Journal, 2011, 25, 1041.11.	0.5	0
32	Mapping a limited inhibitory domain derived from the gamma subunit of ENaC. FASEB Journal, 2010, 24, 611.23.	0.5	0
33	Conformational Changes Associated with Proton-dependent Gating of ASIC1a. Journal of Biological Chemistry, 2009, 284, 36473-36481.	3.4	37
34	Differential contributions of Î± and Î³ ENaC subunit cleavage to channel activity. FASEB Journal, 2008, 22, 1158.10.	0.5	0
35	The Epithelial Na+ Channel Is Inhibited by a Peptide Derived from Proteolytic Processing of Its Î± Subunit. Journal of Biological Chemistry, 2006, 281, 18901-18907.	3.4	127
36	Epithelial Sodium Channel Inhibition by AMP-activated Protein Kinase in Oocytes and Polarized Renal Epithelial Cells. Journal of Biological Chemistry, 2005, 280, 17608-17616.	3.4	136

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37	Mutations in the Pore Region Modify Epithelial Sodium Channel Gating by Shear Stress. Journal of Biological Chemistry, 2005, 280, 4393-4401.	3.4	62
38	Epithelial Na+ Channels Are Activated by Laminar Shear Stress. Journal of Biological Chemistry, 2004, 279, 4120-4126.	3.4	139
39	Arachidonic Acid Regulates Surface Expression of Epithelial Sodium Channels. Journal of Biological Chemistry, 2003, 278, 36202-36213.	3.4	57
40	Studies of ultrastructure, gene expression, and marker analysis reveal that mouse bladder PDGFRA⁺ interstitial cells are fibroblasts. American Journal of Physiology - Renal Physiology, 0, , .	2.7	4