Gabrielle Planelles

List of Publications by Year
in descending order

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39 papers	1,814 citations	331670 21 h-index	289244 40 g-index
41 all docs	41 docs citations	41 times ranked	2051 citing authors

#	Article	IF	Citations
1	Nephrolithiasis and Osteoporosis Associated with Hypophosphatemia Caused by Mutations in the Type 2a Sodiumâ€“Phosphate Cotransporter. New England Journal of Medicine, 2002, 347, 983-991.	27.0	322
2	Functional Characterization of a Calcium-Sensing Receptor Mutation in Severe Autosomal Dominant Hypocalcemia with a Bartter-Like Syndrome. Journal of the American Society of Nephrology: JASN, 2002, 13, 2259-2266.	6.1	309
3	NHERF1Mutations and Responsiveness of Renal Parathyroid Hormone. New England Journal of Medicine, 2008, 359, 1128-1135.	27.0	178
4	NH3 Is Involved in the <mml:math xmlns:mml="http://www.w3.org/1998/Math/MathML" altimg="si1.gif"><mml:msubsup><mml:mi>NH</mml:mi><mml:mrow><mml:mn>4</mml:mn></mml:mrow><mml:mo>+</mml:mo></m Transport Induced by the Functional Expression of the Human Rh C Glycoprotein. Journal of Biological Chemistry, 2004, 279, 15975-15983.	3.4	106
5	The testis anion transporter TAT1 (SLC26A8) physically and functionally interacts with the cystic fibrosis transmembrane conductance regulator channel: a potential role during sperm capacitation. Human Molecular Genetics, 2012, 21, 1287-1298.	2.9	70
6	Airway surface liquid acidification initiates host defense abnormalities in Cystic Fibrosis. Scientific Reports, 2019, 9, 6516.	3.3	61
7	Rescue of Î”F508-CFTR (Cystic Fibrosis Transmembrane Conductance Regulator) by Curcumin: Involvement of the Keratin 18 Network. Journal of Pharmacology and Experimental Therapeutics, 2006, 317, 500-505.	2.5	60
8	Expression of the human erythroid Rh glycoprotein (RhAG) enhances both NH3 and NH4+ transport in HeLa cells. Pflugers Archiv European Journal of Physiology, 2005, 450, 155-167.	2.8	53
9	Airway Surface Liquid pH Regulation in Airway Epithelium Current Understandings and Gaps in Knowledge. International Journal of Molecular Sciences, 2021, 22, 3384.	4.1	48
10	A New Human NHERF1 Mutation Decreases Renal Phosphate Transporter NPT2a Expression by a PTH-Independent Mechanism. PLoS ONE, 2012, 7, e34764.	2.5	44
11	Increased expression of ATP12A proton pump in cystic fibrosis airways. JCI Insight, 2018, 3, .	5.0	43
12	Ammonium transport by the colonic H⁺-K⁺-ATPase expressed inXenopusoocytes. American Journal of Physiology - Cell Physiology, 1999, 277, C280-C287.	4.6	42
13	Evidence for Activation of Endogenous Transporters in Xenopus laevis Oocytes Expressing the Plasmodium falciparum Chloroquine Resistance Transporter, PfCRT. Journal of Biological Chemistry, 2004, 279, 39438-39446.	3.4	41
14	Further investigation of ionic diffusive properties and of NH 4 + pathways inXenopus laevis oocyte cell membrane. Pflugers Archiv European Journal of Physiology, 1996, 431, 658-667.	2.8	39
15	PfCHA is a mitochondrial divalent cation/H+ antiporter in Plasmodium falciparum. Molecular Microbiology, 2010, 76, 1591-1606.	2.5	37
16	Characterization of SLC26A9 in Patients with CF-Like Lung Disease. Human Mutation, 2013, 34, 1404-1414.	2.5	36
17	Effect of locally applied drugs on the pH of luminal fluid in the endolymphatic sac of guinea pig. American Journal of Physiology - Regulatory Integrative and Comparative Physiology, 2000, 279, R1695-R1700.	1.8	26
18	Control of Basal CFTR Gene Expression by Bicarbonate-Sensitive Adenylyl Cyclase in Human Pulmonary Cells. Cellular Physiology and Biochemistry, 2008, 21, 075-086.	1.6	26

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19	Chloride transport in the renal proximal tubule. Pflugers Archiv European Journal of Physiology, 2004, 448, 561-570.	2.8	25
20	Ammonium Homeostasis and Human Rhesus Glycoproteins. Nephron Physiology, 2006, 105, p11-p17.	1.2	25
21	Extracellular ATP raises cytosolic calcium and activates basolateral chloride conductance inNecturusproximal tubule. Journal of Physiology, 1998, 510, 535-548.	2.9	23
22	Rattlesnake Phospholipase A2 Increases CFTR-Chloride Channel Current and Corrects âˆ† F508CFTR Dysfunction: Impact in Cystic Fibrosis. Journal of Molecular Biology, 2016, 428, 2898-2915.	4.2	22
23	Effect of reactive oxygen species on NH 4 + permeation in Xenopus laevis oocytes. American Journal of Physiology - Cell Physiology, 2002, 282, C1445-C1453.	4.6	20
24	Resveratrol rescues cAMPâ€dependent anionic transport in the cystic fibrosis pancreatic cell line CFPAC1. British Journal of Pharmacology, 2011, 163, 876-886.	5.4	20
25	Iron is a substrate of the Plasmodium falciparum chloroquine resistance transporter PfCRT in Xenopus oocytes. Journal of Biological Chemistry, 2017, 292, 16109-16121.	3.4	19
26	In silico model of the human ClC-Kb chloride channel: pore mapping, biostructural pathology and drug screening. Scientific Reports, 2017, 7, 7249.	3.3	15
27	Functional and electrophysiological characterization of four nonâ€truncating mutations responsible for creatine transporter (SLC6A8) deficiency syndrome. Journal of Inherited Metabolic Disease, 2013, 36, 103-112.	3.6	14
28	Renal Chloride Channels in Relation to Sodium Chloride Transport. , 2018, 9, 301-342.		12
29	Phosphomimetic substitution at Ser-33 of the chloroquine resistance transporter PfCRT reconstitutes drug responses in Plasmodium falciparum. Journal of Biological Chemistry, 2019, 294, 12766-12778.	3.4	11
30	Evidence for apical K conductance and Na-K-2Cl cotransport in the endolymphatic sac of guinea pig. Hearing Research, 1999, 128, 45-50.	2.0	10
31	Millimolar amiloride concentrations block K conductance in proximal tubular cells. British Journal of Pharmacology, 1992, 107, 532-538.	5.4	9
32	Long-term CFTR inhibition modulates 15d-prostaglandin J2 in human pulmonary cells. International Journal of Biochemistry and Cell Biology, 2012, 44, 1009-1018.	2.8	9
33	Basolateral electrogenic Na/HCO3 symport in the amphibian distal tubule. Pflugers Archiv European Journal of Physiology, 1991, 417, 582-590.	2.8	8
34	Analysis ofCLCNKBmutations at dimerâ€interface, calciumâ€binding site, and pore reveals a variety of functional alterations in ClCâ€Kb channel leading to Bartter syndrome. Human Mutation, 2020, 41, 774-785.	2.5	6
35	Triflocin, a novel inhibitor for the Naâ€HCO₃ symport in the proximal tubule. British Journal of Pharmacology, 1994, 112, 465-470.	5.4	5
36	ANP-stimulated Na+ secretion in the collecting duct prevents Na+ retention in the renal adaptation to acid load. American Journal of Physiology - Renal Physiology, 2019, 317, F435-F443.	2.7	4

#	Article	IF	Citations
37	A variant of ASIC2 mediates sodium retention in nephrotic syndrome. JCI Insight, 2021, 6, .	5.0	4
38	Further investigation of ionic diffusive properties and of NH 4 + pathways in Xenopus laevis oocyte cell membrane. Pflugers Archiv European Journal of Physiology, 1996, 431, 658-667.	2.8	3
39	Functional Interaction between CFTR and the Sodium-Phosphate Co-Transport Type 2a in Xenopus laevis Oocytes. PLoS ONE, 2012, 7, e34879.	2.5	3