

# 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	Airway Surface Liquid pH Regulation in Airway Epithelium Current Understandings and Gaps in Knowledge. <i>International Journal of Molecular Sciences</i> , 2021, 22, 3384.	4.1	48
2	A variant of ASIC2 mediates sodium retention in nephrotic syndrome. <i>JCI Insight</i> , 2021, 6, .	5.0	4
3	Analysis of <i>CLCNKB</i> mutations at dimer interface, calcium binding site, and pore reveals a variety of functional alterations in ClC-Kb channel leading to Bartter syndrome. <i>Human Mutation</i> , 2020, 41, 774-785.	2.5	6
4	Phosphomimetic substitution at Ser-33 of the chloroquine resistance transporter PfCRT reconstitutes drug responses in <i>Plasmodium falciparum</i> . <i>Journal of Biological Chemistry</i> , 2019, 294, 12766-12778.	3.4	11
5	ANP-stimulated Na <sup>+</sup> secretion in the collecting duct prevents Na <sup>+</sup> retention in the renal adaptation to acid load. <i>American Journal of Physiology - Renal Physiology</i> , 2019, 317, F435-F443.	2.7	4
6	Airway surface liquid acidification initiates host defense abnormalities in Cystic Fibrosis. <i>Scientific Reports</i> , 2019, 9, 6516.	3.3	61
7	Renal Chloride Channels in Relation to Sodium Chloride Transport. , 2018, 9, 301-342.		12
8	Increased expression of ATP12A proton pump in cystic fibrosis airways. <i>JCI Insight</i> , 2018, 3, .	5.0	43
9	In silico model of the human ClC-Kb chloride channel: pore mapping, biostructural pathology and drug screening. <i>Scientific Reports</i> , 2017, 7, 7249.	3.3	15
10	Iron is a substrate of the <i>Plasmodium falciparum</i> chloroquine resistance transporter PfCRT in <i>Xenopus</i> oocytes. <i>Journal of Biological Chemistry</i> , 2017, 292, 16109-16121.	3.4	19
11	Rattlesnake Phospholipase A2 Increases CFTR-Chloride Channel Current and Corrects $\Delta F508$ CFTR Dysfunction: Impact in Cystic Fibrosis. <i>Journal of Molecular Biology</i> , 2016, 428, 2898-2915.	4.2	22
12	Functional and electrophysiological characterization of four non-truncating mutations responsible for creatine transporter ( <i>SLC6A8</i> ) deficiency syndrome. <i>Journal of Inherited Metabolic Disease</i> , 2013, 36, 103-112.	3.6	14
13	Characterization of SLC26A9 in Patients with CF-Like Lung Disease. <i>Human Mutation</i> , 2013, 34, 1404-1414.	2.5	36
14	The testis anion transporter TAT1 (SLC26A8) physically and functionally interacts with the cystic fibrosis transmembrane conductance regulator channel: a potential role during sperm capacitation. <i>Human Molecular Genetics</i> , 2012, 21, 1287-1298.	2.9	70
15	Long-term CFTR inhibition modulates 15d-prostaglandin J2 in human pulmonary cells. <i>International Journal of Biochemistry and Cell Biology</i> , 2012, 44, 1009-1018.	2.8	9
16	A New Human NHERF1 Mutation Decreases Renal Phosphate Transporter NPT2a Expression by a PTH-Independent Mechanism. <i>PLoS ONE</i> , 2012, 7, e34764.	2.5	44
17	Functional Interaction between CFTR and the Sodium-Phosphate Co-Transport Type 2a in <i>Xenopus laevis</i> Oocytes. <i>PLoS ONE</i> , 2012, 7, e34879.	2.5	3
18	Resveratrol rescues cAMP-dependent anionic transport in the cystic fibrosis pancreatic cell line CFPAC1. <i>British Journal of Pharmacology</i> , 2011, 163, 876-886.	5.4	20

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19	PfCHA is a mitochondrial divalent cation/H <sup>+</sup> antiporter in Plasmodium falciparum. Molecular Microbiology, 2010, 76, 1591-1606.	2.5	37
20	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
21	<i>NHERF1</i> Mutations and Responsiveness of Renal Parathyroid Hormone. New England Journal of Medicine, 2008, 359, 1128-1135.	27.0	178
22	Ammonium Homeostasis and Human Rhesus Glycoproteins. Nephron Physiology, 2006, 105, p11-p17.	1.2	25
23	Rescue of $\Delta$ 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
24	Expression of the human erythroid Rh glycoprotein (RhAG) enhances both NH <sub>3</sub> and NH <sub>4</sub> <sup>+</sup> transport in HeLa cells. Pflugers Archiv European Journal of Physiology, 2005, 450, 155-167.	2.8	53
25	NH <sub>3</sub> Is Involved in the Transport Induced by the Functional Expression of the Human Rh C Glycoprotein. Journal of Biological Chemistry, 2004, 279, 15975-15983.	3.4	106
26	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
27	Chloride transport in the renal proximal tubule. Pflugers Archiv European Journal of Physiology, 2004, 448, 561-570.	2.8	25
28	Nephrolithiasis and Osteoporosis Associated with Hypophosphatemia Caused by Mutations in the Type 2a Sodium-Phosphate Cotransporter. New England Journal of Medicine, 2002, 347, 983-991.	27.0	322
29	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
30	Effect of reactive oxygen species on NH <sub>4</sub> <sup>+</sup> permeation in Xenopus laevis oocytes. American Journal of Physiology - Cell Physiology, 2002, 282, C1445-C1453.	4.6	20
31	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
32	Ammonium transport by the colonic H <sup>+</sup> -K <sup>+</sup> -ATPase expressed in Xenopus oocytes. American Journal of Physiology - Cell Physiology, 1999, 277, C280-C287.	4.6	42
33	Evidence for apical K <sup>+</sup> conductance and Na-K-2Cl cotransport in the endolymphatic sac of guinea pig. Hearing Research, 1999, 128, 45-50.	2.0	10
34	Extracellular ATP raises cytosolic calcium and activates basolateral chloride conductance in Necturus proximal tubule. Journal of Physiology, 1998, 510, 535-548.	2.9	23
35	Further investigation of ionic diffusive properties and of NH <sub>4</sub> <sup>+</sup> pathways in Xenopus laevis oocyte cell membrane. Pflugers Archiv European Journal of Physiology, 1996, 431, 658-667.	2.8	39
36	Further investigation of ionic diffusive properties and of NH <sub>4</sub> <sup>+</sup> pathways in Xenopus laevis oocyte cell membrane. Pflugers Archiv European Journal of Physiology, 1996, 431, 658-667.	2.8	3

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37	Triflocin, a novel inhibitor for the Na <sup>+</sup> HCO <sub>3</sub> <sup>-</sup> symport in the proximal tubule. British Journal of Pharmacology, 1994, 112, 465-470.	5.4	5
38	Millimolar amiloride concentrations block K conductance in proximal tubular cells. British Journal of Pharmacology, 1992, 107, 532-538.	5.4	9
39	Basolateral electrogenic Na/HCO <sub>3</sub> symport in the amphibian distal tubule. Pflugers Archiv European Journal of Physiology, 1991, 417, 582-590.	2.8	8