

# RubÃ©n G Contreras

## List of Publications by Year in descending order

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62  
papers

2,817  
citations

172457

29  
h-index

175258

52  
g-index

63  
all docs

63  
docs citations

63  
times ranked

2469  
citing authors

#	ARTICLE	IF	CITATIONS
1	Assembly and sealing of tight junctions: Possible participation of G-proteins, phospholipase C, protein kinase C and calmodulin. <i>Journal of Membrane Biology</i> , 1991, 122, 193-202.	2.1	257
2	ROLE OF TIGHT JUNCTIONS IN ESTABLISHING AND MAINTAINING CELL POLARITY. <i>Annual Review of Physiology</i> , 1998, 60, 161-177.	13.1	244
3	Role of calcium in tight junction formation between epithelial cells. <i>American Journal of Physiology - Cell Physiology</i> , 1990, 259, C978-C986.	4.6	223
4	Cell Adhesion, Polarity, and Epithelia in the Dawn of Metazoans. <i>Physiological Reviews</i> , 2004, 84, 1229-1262.	28.8	145
5	Tight junction and polarity interaction in the transporting epithelial phenotype. <i>Biochimica Et Biophysica Acta - Biomembranes</i> , 2008, 1778, 770-793.	2.6	128
6	Molecular Physiology and Pathophysiology of Tight Junctions I. Biogenesis of tight junctions and epithelial polarity. <i>American Journal of Physiology - Renal Physiology</i> , 2000, 279, G477-G482.	3.4	123
7	The Polarized Expression of Na <sup>+</sup> ,K <sup>+</sup> -ATPase in Epithelia Depends on the Association between $\hat{1}^2$ -Subunits Located in Neighboring Cells. <i>Molecular Biology of the Cell</i> , 2005, 16, 1071-1081.	2.1	104
8	Sodium/potassium ATPase (Na <sup>+</sup> , K <sup>+</sup> -ATPase) and ouabain/related cardiac glycosides: a new paradigm for development of anti- breast cancer drugs?. <i>Breast Cancer Research and Treatment</i> , 2006, 96, 1-15.	2.5	89
9	Ouabain modulates epithelial cell tight junction. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , 2010, 107, 11387-11392.	7.1	86
10	New Diseases Derived or Associated with the Tight Junction. <i>Archives of Medical Research</i> , 2007, 38, 465-478.	3.3	82
11	The making of a tight junction. <i>Journal of Cell Science</i> , 1993, 1993, 127-132.	2.0	80
12	Interaction of calcium with plasma membrane of epithelial (MDCK) cells during junction formation. <i>American Journal of Physiology - Cell Physiology</i> , 1992, 263, C313-C318.	4.6	72
13	Ouabain Binding to Na <sup>+</sup> ,K <sup>+</sup> -ATPase Relaxes Cell Attachment and Sends a SpecificSignal (NACos) to the Nucleus. <i>Journal of Membrane Biology</i> , 2004, 198, 147-158.	2.1	66
14	Repolarization of Na <sup>+</sup> -K <sup>+</sup> pumps during establishment of epithelial monolayers. <i>American Journal of Physiology - Cell Physiology</i> , 1989, 257, C896-C905.	4.6	60
15	Contacts and cooperation between cells depend on the hormone ouabain. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , 2006, 103, 10911-10916.	7.1	59
16	Relationship between Na <sup>(+)</sup> ,K <sup>(+)</sup> -ATPase and cell attachment. <i>Journal of Cell Science</i> , 1999, 112 ( Pt 23), 4223-32.	2.0	59
17	Development and Alteration of Polarity. <i>Annual Review of Physiology</i> , 1989, 51, 785-795.	13.1	57
18	The Na <sup>+</sup> -K <sup>+</sup> -ATPase as self-adhesion molecule and hormone receptor. <i>American Journal of Physiology - Cell Physiology</i> , 2012, 302, C473-C481.	4.6	52

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19	The E6 Oncoprotein from HPV16 Enhances the Canonical Wnt/ $\beta$ -Catenin Pathway in Skin Epidermis <i>In Vivo</i> . <i>Molecular Cancer Research</i> , 2012, 10, 250-258.	3.4	49
20	Control of tight junctional sealing: role of epidermal growth factor. <i>American Journal of Physiology - Renal Physiology</i> , 2007, 292, F828-F836.	2.7	48
21	EGF Regulates Claudin-2 and -4 Expression Through Src and STAT3 in MDCK Cells. <i>Journal of Cellular Physiology</i> , 2015, 230, 105-115.	4.1	48
22	Molecular Characterization of the Tight Junction Protein ZO-1 in MDCK Cells. <i>Experimental Cell Research</i> , 1999, 248, 97-109.	2.6	46
23	The Polarized Distribution of Na <sup>+</sup> ,K <sup>+</sup> -ATPase: Role of the Interaction between $\beta$ Subunits. <i>Molecular Biology of the Cell</i> , 2010, 21, 2217-2225.	2.1	43
24	Control of tight junctional sealing: roles of epidermal growth factor and prostaglandin E <sub>2</sub> . <i>American Journal of Physiology - Cell Physiology</i> , 2009, 297, C611-C620.	4.6	34
25	Ouabain resistance of the epithelial cell line (Ma104) is not due to lack of affinity of its pumps for the drug. <i>Journal of Membrane Biology</i> , 1995, 145, 295-300.	2.1	32
26	Ouabain modulates ciliogenesis in epithelial cells. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , 2011, 108, 20591-20596.	7.1	32
27	21-Benzylidene Digoxin: A Proapoptotic Cardenolide of Cancer Cells That Up-Regulates Na,K-ATPase and Epithelial Tight Junctions. <i>PLoS ONE</i> , 2014, 9, e108776.	2.5	32
28	E-Cadherin and tight junctions between epithelial cells of different animal species. <i>Pflügers Archiv European Journal of Physiology</i> , 2002, 444, 467-475.	2.8	31
29	Tight Junctions and the Experimental Modifications of Lipid Content. <i>Journal of Membrane Biology</i> , 1998, 164, 59-69.	2.1	30
30	Ouabain induces endocytosis and degradation of tight junction proteins through ERK1/2-dependent pathways. <i>Experimental Cell Research</i> , 2014, 320, 108-118.	2.6	28
31	The Polarized Distribution of Na <sup>+</sup> , K <sup>+</sup> -ATPase and Active Transport across Epithelia. <i>Journal of Membrane Biology</i> , 2001, 184, 299-304.	2.1	27
32	Cytochalasin-D retards sperm incorporation deep into the egg cytoplasm but not membrane fusion with the egg plasma membrane. <i>Molecular Reproduction and Development</i> , 2002, 63, 518-528.	2.0	27
33	Epithelial Tight Junctions. <i>The American Review of Respiratory Disease</i> , 1988, 138, S17-S21.	2.9	26
34	A novel type of cell-cell cooperation between epithelial cells. <i>Journal of Membrane Biology</i> , 1995, 145, 305-10.	2.1	26
35	Ouabain Increases Gap Junctional Communication in Epithelial Cells. <i>Cellular Physiology and Biochemistry</i> , 2014, 34, 2081-2090.	1.6	25
36	Exocytosis of a 60 kDa protein (Calreticulin) from activated hamster oocytes. <i>Molecular Reproduction and Development</i> , 2001, 60, 405-413.	2.0	21

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37	Accumulation, Biotransformation, Histopathology and Paralysis in the Pacific Calico Scallop <i>Argopecten ventricosus</i> by the Paralyzing Toxins of the Dinoflagellate <i>Gymnodinium catenatum</i> . <i>Marine Drugs</i> , 2012, 10, 1044-1065.	4.6	21
38	Ouabain Modulates the Distribution of Connexin 43 in Epithelial Cells. <i>Cellular Physiology and Biochemistry</i> , 2016, 39, 1329-1338.	1.6	19
39	Inhibitors of glycosphingolipid biosynthesis reduce transepithelial electrical resistance in MDCK I and FRT cells. <i>American Journal of Physiology - Cell Physiology</i> , 2003, 284, C1021-C1030.	4.6	18
40	Membrane targeting. <i>Progress in Biophysics and Molecular Biology</i> , 2003, 81, 81-115.	2.9	17
41	Expression of potassium channels in epithelial cells depends on calcium-activated cell-cell contacts. <i>Journal of Membrane Biology</i> , 1995, 143, 219-26.	2.1	16
42	Tight Junctions are Sensitive to Peptides Eliminated in the Urine. <i>Journal of Membrane Biology</i> , 2002, 188, 33-42.	2.1	14
43	Na <sup>+</sup> ,K <sup>+</sup> -ATPase and hormone ouabain:new roles for an old enzyme and an old inhibitor. <i>Cellular and Molecular Biology</i> , 2006, 52, 31-40.	0.9	14
44	Apoptosis of hemocytes from lions-paw scallop <i>Nodipecten subnodosus</i> induced with paralyzing shellfish poison from <i>Gymnodinium catenatum</i> . <i>Immunobiology</i> , 2014, 219, 964-974.	1.9	12
45	The Paracellular Pathway. <i>Pharmaceutical Biotechnology</i> , 1993, , 3-21.	0.3	11
46	Involvement of Src signaling in the synergistic effect between cisplatin and digoxin on cancer cell viability. <i>Journal of Cellular Biochemistry</i> , 2018, 119, 3352-3362.	2.6	10
47	A Low Cost Antibody Signal Enhancer Improves Immunolabeling in Cell Culture, Primate Brain and Human Cancer Biopsy. <i>Neuroscience</i> , 2020, 439, 275-286.	2.3	10
48	In vitro Evaluation of Programmed Cell Death in the Immune System of Pacific Oyster <i>Crassostrea gigas</i> by the Effect of Marine Toxins. <i>Frontiers in Immunology</i> , 2021, 12, 634497.	4.8	10
49	Ouabain Modulates the Adherens Junction in Renal Epithelial Cells. <i>Cellular Physiology and Biochemistry</i> , 2019, 52, 1381-1397.	1.6	10
50	Ouabain Modulates Cell Contacts as well as Functions that Depend on Cell Adhesion. <i>Methods in Molecular Biology</i> , 2011, 763, 155-168.	0.9	8
51	Anterior and intermediate pituitary tissues express claudin 4 in follicle stellate cells and claudins 2 and 5 in endothelial cells. <i>Cell and Tissue Research</i> , 2014, 357, 309-321.	2.9	6
52	Lysosomal Degradation of Junctional Proteins. , 0, , .		6
53	Differential homologous desensitization of the human histamine H <sub>3</sub> receptors of 445 and 365 amino acids expressed in CHO-K1 cells. <i>Neurochemistry International</i> , 2018, 112, 114-123.	3.8	5
54	Ouabain Accelerates Collective Cell Migration Through a cSrc and ERK1/2 Sensitive Metalloproteinase Activity. <i>Journal of Membrane Biology</i> , 2019, 252, 549-559.	2.1	4

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55	Biogenesis of Epithelial Polarity and Tight Junctions. , 2001, , .		4
56	The Role of Calcium in the Making of a Transporting Epithelium. Physiology, 1992, 7, 105-108.	3.1	3
57	The PDZ-Binding Motif of HPV16-E6 Oncoprotein Modulates the Keratinization and Stemness Transcriptional Profile <i>In Vivo</i> . BioMed Research International, 2017, 2017, 1-9.	1.9	3
58	HPV16-E6 Oncoprotein Activates TGF- $\beta$ and Wnt-Catenin Pathways in the Epithelium-Mesenchymal Transition of Cataracts in a Transgenic Mouse Model. BioMed Research International, 2018, 2018, 1-17.	1.9	2
59	Regulation of Tight Junctions' Functional Integrity. , 2006, , 146-163.		2
60	Epithelial polarity. , 1996, , 49-69.		1
61	Evolution of the Transporting Epithelium Phenotype. , 2006, , 1-18.		0
62	The Polarized Distribution of the Na <sup>+</sup> ,K <sup>+</sup> -ATPase. , 2015, , 189-204.		0