

Gerard Apodaca

List of Publications by Citations

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48
papers

3,302
citations

27
h-index

52
g-index

52
ext. papers

3,666
ext. citations

6.2
avg, IF

5.39
L-index

#	Paper	IF	Citations
48	Endocytic traffic in polarized epithelial cells: role of the actin and microtubule cytoskeleton. <i>Traffic</i> , 2001 , 2, 149-59	5.7	327
47	Cell biology and physiology of the uroepithelium. <i>American Journal of Physiology - Renal Physiology</i> , 2009 , 297, F1477-501	4.3	254
46	The uroepithelium: not just a passive barrier. <i>Traffic</i> , 2004 , 5, 117-28	5.7	236
45	Modulation of membrane traffic by mechanical stimuli. <i>American Journal of Physiology - Renal Physiology</i> , 2002 , 282, F179-90	4.3	187
44	Beta-adrenoceptor agonists stimulate endothelial nitric oxide synthase in rat urinary bladder urothelial cells. <i>Journal of Neuroscience</i> , 2002 , 22, 8063-70	6.6	185
43	Distribution of the tight junction proteins ZO-1, occludin, and claudin-4, -8, and -12 in bladder epithelium. <i>American Journal of Physiology - Renal Physiology</i> , 2004 , 287, F305-18	4.3	180
42	ATP and purinergic receptor-dependent membrane traffic in bladder umbrella cells. <i>Journal of Clinical Investigation</i> , 2005 , 115, 2412-22	15.9	173
41	Stretch-regulated exocytosis/endocytosis in bladder umbrella cells. <i>Molecular Biology of the Cell</i> , 2002 , 13, 830-46	3.5	167
40	Clathrin-mediated endocytosis of MUC1 is modulated by its glycosylation state. <i>Molecular Biology of the Cell</i> , 2000 , 11, 819-31	3.5	142
39	Bladder permeability barrier: recovery from selective injury of surface epithelial cells. <i>American Journal of Physiology - Renal Physiology</i> , 2002 , 283, F242-53	4.3	126
38	Role of membrane traffic in the generation of epithelial cell asymmetry. <i>Nature Cell Biology</i> , 2012 , 14, 1235-43	23.4	125
37	Urothelial pathophysiological changes in feline interstitial cystitis: a human model. <i>American Journal of Physiology - Renal Physiology</i> , 2000 , 278, F540-53	4.3	115
36	Adrenergic- and capsaicin-evoked nitric oxide release from urothelium and afferent nerves in urinary bladder. <i>American Journal of Physiology - Renal Physiology</i> , 1998 , 275, F226-9	4.3	107
35	Primary uroepithelial cultures. A model system to analyze umbrella cell barrier function. <i>Journal of Biological Chemistry</i> , 1999 , 274, 15020-9	5.4	89
34	Expression and distribution of transient receptor potential (TRP) channels in bladder epithelium. <i>American Journal of Physiology - Renal Physiology</i> , 2011 , 300, F49-59	4.3	85
33	Disruption of bladder epithelium barrier function after spinal cord injury. <i>American Journal of Physiology - Renal Physiology</i> , 2003 , 284, F966-76	4.3	78
32	Adenosine receptor expression and function in bladder uroepithelium. <i>American Journal of Physiology - Cell Physiology</i> , 2006 , 291, C254-65	5.4	59

31	Rab11a-dependent exocytosis of discoidal/fusiform vesicles in bladder umbrella cells. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , 2008 , 105, 15773-8	11.5	57
30	Compensatory endocytosis in bladder umbrella cells occurs through an integrin-regulated and RhoA- and dynamin-dependent pathway. <i>EMBO Journal</i> , 2010 , 29, 1961-75	13	56
29	Hydrostatic pressure-regulated ion transport in bladder uroepithelium. <i>American Journal of Physiology - Renal Physiology</i> , 2003 , 285, F651-63	4.3	52
28	Distinct apical and basolateral membrane requirements for stretch-induced membrane traffic at the apical surface of bladder umbrella cells. <i>Molecular Biology of the Cell</i> , 2009 , 20, 282-95	3.5	48
27	Apical epidermal growth factor receptor signaling: regulation of stretch-dependent exocytosis in bladder umbrella cells. <i>Molecular Biology of the Cell</i> , 2007 , 18, 1312-23	3.5	40
26	A Rab11a-Rab8a-Myo5B network promotes stretch-regulated exocytosis in bladder umbrella cells. <i>Molecular Biology of the Cell</i> , 2013 , 24, 1007-19	3.5	39
25	Bladder filling and voiding affect umbrella cell tight junction organization and function. <i>American Journal of Physiology - Renal Physiology</i> , 2013 , 305, F1158-68	4.3	38
24	Expression and distribution of PIEZO1 in the mouse urinary tract. <i>American Journal of Physiology - Renal Physiology</i> , 2019 , 317, F303-F321	4.3	32
23	Analysis of hydrostatic pressure-induced changes in umbrella cell surface area. <i>Methods</i> , 2003 , 30, 207-17.6	4.6	32
22	The Urothelium: Life in a Liquid Environment. <i>Physiological Reviews</i> , 2020 , 100, 1621-1705	47.9	31
21	Generation of three-dimensional human neuronal cultures: application to modeling CNS viral infections. <i>Stem Cell Research and Therapy</i> , 2018 , 9, 134	8.3	26
20	TBC1D9B functions as a GTPase-activating protein for Rab11a in polarized MDCK cells. <i>Molecular Biology of the Cell</i> , 2014 , 25, 3779-97	3.5	26
19	Urothelial proliferation and regeneration after spinal cord injury. <i>American Journal of Physiology - Renal Physiology</i> , 2017 , 313, F85-F102	4.3	24
18	Increased urothelial paracellular transport promotes cystitis. <i>American Journal of Physiology - Renal Physiology</i> , 2015 , 309, F1070-81	4.3	23
17	Age-related endolysosome dysfunction in the rat urothelium. <i>PLoS ONE</i> , 2018 , 13, e0198817	3.7	18
16	Requirement for a uroplakin 3a-like protein in the development of zebrafish pronephric tubule epithelial cell function, morphogenesis, and polarity. <i>PLoS ONE</i> , 2012 , 7, e41816	3.7	15
15	Role of Polarity Proteins in the Generation and Organization of Apical Surface Protrusions. <i>Cold Spring Harbor Perspectives in Biology</i> , 2018 , 10,	10.2	13
14	Modulation of bladder function by luminal adenosine turnover and A1 receptor activation. <i>American Journal of Physiology - Renal Physiology</i> , 2012 , 303, F279-92	4.3	12

13	A1 adenosine receptor-stimulated exocytosis in bladder umbrella cells requires phosphorylation of ADAM17 Ser-811 and EGF receptor transactivation. <i>Molecular Biology of the Cell</i> , 2014 , 25, 3798-812	3.5	11
12	Urinary K promotes irritative voiding symptoms and pain in the face of urothelial barrier dysfunction. <i>Scientific Reports</i> , 2019 , 9, 5509	4.9	10
11	Acute spinal cord injury is associated with mitochondrial dysfunction in mouse urothelium. <i>Neurourology and Urodynamics</i> , 2019 , 38, 1551-1559	2.3	9
10	3D printed biaxial stretcher compatible with live fluorescence microscopy.. <i>HardwareX</i> , 2020 , 7,	2.7	9
9	Expansion and contraction of the umbrella cell apical junctional ring in response to bladder filling and voiding. <i>Molecular Biology of the Cell</i> , 2019 , 30, 2037-2052	3.5	8
8	RAB27B requirement for stretch-induced exocytosis in bladder umbrella cells. <i>American Journal of Physiology - Cell Physiology</i> , 2018 , 314, C349-C365	5.4	8
7	Inflammation and Tissue Remodeling in the Bladder and Urethra in Feline Interstitial Cystitis. <i>Frontiers in Systems Neuroscience</i> , 2018 , 12, 13	3.5	8
6	Epithelial Polarity 2013 , 1, 1-115		8
5	Membrane traffic research: challenges for the next decade. <i>Frontiers in Cell and Developmental Biology</i> , 2014 , 2, 52	5.7	5
4	Functional roles for PIEZO1 and PIEZO2 in urothelial mechanotransduction and lower urinary tract interoception. <i>JCI Insight</i> , 2021 , 6,	9.9	4
3	A phosphotyrosine switch for cargo sequestration at clathrin-coated buds. <i>Journal of Biological Chemistry</i> , 2014 , 289, 17497-514	5.4	2
2	Measuring receptor recycling in polarized MDCK cells. <i>Methods in Cell Biology</i> , 2015 , 130, 247-69	1.8	1
1	Bladder infection with uropathogenic Escherichia coli increases the excitability of afferent neurons. <i>American Journal of Physiology - Renal Physiology</i> , 2021 ,	4.3	1