

Gerard Apodaca

List of Publications by Year in descending order

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51
papers

4,089
citations

147566

31
h-index

197535

49
g-index

52
all docs

52
docs citations

52
times ranked

4278
citing authors

#	ARTICLE	IF	CITATIONS
1	Endocytic Traffic in Polarized Epithelial Cells: Role of the Actin and Microtubule Cytoskeleton. <i>Traffic</i> , 2001, 2, 149-159.	1.3	356
2	Cell biology and physiology of the uroepithelium. <i>American Journal of Physiology - Renal Physiology</i> , 2009, 297, F1477-F1501.	1.3	302
3	The Uroepithelium: Not Just a Passive Barrier. <i>Traffic</i> , 2004, 5, 117-128.	1.3	282
4	Modulation of membrane traffic by mechanical stimuli. <i>American Journal of Physiology - Renal Physiology</i> , 2002, 282, F179-F190.	1.3	226
5	Î²-Adrenoceptor Agonists Stimulate Endothelial Nitric Oxide Synthase in Rat Urinary Bladder Urothelial Cells. <i>Journal of Neuroscience</i> , 2002, 22, 8063-8070.	1.7	209
6	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-F318.	1.3	204
7	ATP and purinergic receptor-dependent membrane traffic in bladder umbrella cells. <i>Journal of Clinical Investigation</i> , 2005, 115, 2412-2422.	3.9	196
8	Stretch-regulated Exocytosis/Endocytosis in Bladder Umbrella Cells. <i>Molecular Biology of the Cell</i> , 2002, 13, 830-846.	0.9	185
9	Clathrin-mediated Endocytosis of MUC1 Is Modulated by Its Glycosylation State. <i>Molecular Biology of the Cell</i> , 2000, 11, 819-831.	0.9	161
10	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-F229.	1.3	158
11	Bladder permeability barrier: recovery from selective injury of surface epithelial cells. <i>American Journal of Physiology - Renal Physiology</i> , 2002, 283, F242-F253.	1.3	151
12	Role of membrane traffic in the generation of epithelial cell asymmetry. <i>Nature Cell Biology</i> , 2012, 14, 1235-1243.	4.6	150
13	Urothelial pathophysiological changes in feline interstitial cystitis: a human model. <i>American Journal of Physiology - Renal Physiology</i> , 2000, 278, F540-F553.	1.3	133
14	Primary Uroepithelial Cultures. <i>Journal of Biological Chemistry</i> , 1999, 274, 15020-15029.	1.6	102
15	Disruption of bladder epithelium barrier function after spinal cord injury. <i>American Journal of Physiology - Renal Physiology</i> , 2003, 284, F966-F976.	1.3	98
16	The Urothelium: Life in a Liquid Environment. <i>Physiological Reviews</i> , 2020, 100, 1621-1705.	18.1	92
17	Expression and distribution of transient receptor potential (TRP) channels in bladder epithelium. <i>American Journal of Physiology - Renal Physiology</i> , 2011, 300, F49-F59.	1.3	91
18	Expression and distribution of PIEZO1 in the mouse urinary tract. <i>American Journal of Physiology - Renal Physiology</i> , 2019, 317, F303-F321.	1.3	83

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19	Compensatory endocytosis in bladder umbrella cells occurs through an integrin-regulated and RhoA- and dynamin-dependent pathway. <i>EMBO Journal</i> , 2010, 29, 1961-1975.	3.5	78
20	Adenosine receptor expression and function in bladder uroepithelium. <i>American Journal of Physiology - Cell Physiology</i> , 2006, 291, C254-C265.	2.1	65
21	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, 15773-15778.	3.3	65
22	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, 282-295.	0.9	58
23	Hydrostatic pressure-regulated ion transport in bladder uroepithelium. <i>American Journal of Physiology - Renal Physiology</i> , 2003, 285, F651-F663.	1.3	56
24	Bladder filling and voiding affect umbrella cell tight junction organization and function. <i>American Journal of Physiology - Renal Physiology</i> , 2013, 305, F1158-F1168.	1.3	53
25	A Rab11a-Rab8a-Myo5B network promotes stretch-regulated exocytosis in bladder umbrella cells. <i>Molecular Biology of the Cell</i> , 2013, 24, 1007-1019.	0.9	50
26	Apical Epidermal Growth Factor Receptor Signaling: Regulation of Stretch-dependent Exocytosis in Bladder Umbrella Cells. <i>Molecular Biology of the Cell</i> , 2007, 18, 1312-1323.	0.9	43
27	Functional roles for PIEZO1 and PIEZO2 in urothelial mechanotransduction and lower urinary tract interoception. <i>JCI Insight</i> , 2021, 6, .	2.3	40
28	Urothelial proliferation and regeneration after spinal cord injury. <i>American Journal of Physiology - Renal Physiology</i> , 2017, 313, F85-F102.	1.3	37
29	Generation of three-dimensional human neuronal cultures: application to modeling CNS viral infections. <i>Stem Cell Research and Therapy</i> , 2018, 9, 134.	2.4	36
30	Analysis of hydrostatic pressure-induced changes in umbrella cell surface area. <i>Methods</i> , 2003, 30, 207-217.	1.9	34
31	TBC1D9B functions as a GTPase-activating protein for Rab11a in polarized MDCK cells. <i>Molecular Biology of the Cell</i> , 2014, 25, 3779-3797.	0.9	33
32	Age-related endolysosome dysfunction in the rat urothelium. <i>PLoS ONE</i> , 2018, 13, e0198817.	1.1	32
33	Increased urothelial paracellular transport promotes cystitis. <i>American Journal of Physiology - Renal Physiology</i> , 2015, 309, F1070-F1081.	1.3	29
34	Role of Polarity Proteins in the Generation and Organization of Apical Surface Protrusions. <i>Cold Spring Harbor Perspectives in Biology</i> , 2018, 10, a027813.	2.3	24
35	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.	1.1	18
36	Acute spinal cord injury is associated with mitochondrial dysfunction in mouse urothelium. <i>Neurology and Urodynamics</i> , 2019, 38, 1551-1559.	0.8	16

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37	3D printed biaxial stretcher compatible with live fluorescence microscopy. <i>HardwareX</i> , 2020, 7, e00095.	1.1	16
38	A ¹ 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, 3798-3812.	0.9	15
39	Modulation of bladder function by luminal adenosine turnover and A ¹ receptor activation. <i>American Journal of Physiology - Renal Physiology</i> , 2012, 303, F279-F292.	1.3	14
40	RAB27B requirement for stretch-induced exocytosis in bladder umbrella cells. <i>American Journal of Physiology - Cell Physiology</i> , 2018, 314, C349-C365.	2.1	14
41	Inflammation and Tissue Remodeling in the Bladder and Urethra in Feline Interstitial Cystitis. <i>Frontiers in Systems Neuroscience</i> , 2018, 12, 13.	1.2	14
42	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.	0.9	14
43	Urinary K ⁺ promotes irritative voiding symptoms and pain in the face of urothelial barrier dysfunction. <i>Scientific Reports</i> , 2019, 9, 5509.	1.6	13
44	The molecular chaperone GRP170 protects against ER stress and acute kidney injury in mice. <i>JCI Insight</i> , 2022, 7, .	2.3	11
45	Epithelial Polarity. <i>Colloquium Series on Building Blocks of the Cell Cell Structure and Function</i> , 2013, 1, 1-115.	0.5	10
46	Membrane traffic research: challenges for the next decade. <i>Frontiers in Cell and Developmental Biology</i> , 2014, 2, 52.	1.8	7
47	Bladder infection with uropathogenic <i>Escherichia coli</i> increases the excitability of afferent neurons. <i>American Journal of Physiology - Renal Physiology</i> , 2022, 322, F1-F13.	1.3	6
48	Studies of ultrastructure, gene expression, and marker analysis reveal that mouse bladder PDGFRA ⁺ interstitial cells are fibroblasts. <i>American Journal of Physiology - Renal Physiology</i> , 0, , .	1.3	4
49	A Phosphotyrosine Switch for Cargo Sequestration at Clathrin-coated Buds. <i>Journal of Biological Chemistry</i> , 2014, 289, 17497-17514.	1.6	2
50	Measuring receptor recycling in polarized MDCK cells. <i>Methods in Cell Biology</i> , 2015, 130, 247-269.	0.5	1
51	Protein Interactions of Uroplakin IIIa in Urinary Bladder Umbrella Cells. <i>FASEB Journal</i> , 2006, 20, .	0.2	0