Fernando MartÃ-n Belmonte

List of Publications by Year
in descending order

51 papers	4,048 citations	236925 25 h-index	243625 44 g-index
53 all docs	53 docs citations	53 times ranked	5223 citing authors

#	Article	IF	Citations
1	PTEN-Mediated Apical Segregation of Phosphoinositides Controls Epithelial Morphogenesis through Cdc42. Cell, 2007, 128, 383-397.	28.9	653
2	A molecular network for de novo generation of the apical surface and lumen. Nature Cell Biology, 2010, 12, 1035-1045.	10.3	529
3	Epithelial cell polarity, stem cells and cancer. Nature Reviews Cancer, 2012, 12, 23-38.	28.4	476
4	Phosphatidylinositol-3,4,5-trisphosphate regulates the formation of the basolateral plasma membrane in epithelial cells. Nature Cell Biology, 2006, 8, 963-970.	10.3	267
5	Regulation of cell polarity during epithelial morphogenesis. Current Opinion in Cell Biology, 2008, 20, 227-234.	5.4	236
6	MARVEL: a conserved domain involved in membrane apposition events. Trends in Biochemical Sciences, 2002, 27, 599-601.	7.5	199
7	Cell-Polarity Dynamics Controls the Mechanism of Lumen Formation in Epithelial Morphogenesis. Current Biology, 2008, 18, 507-513.	3.9	190
8	The MAL Proteolipid Is Necessary for Normal Apical Transport and Accurate Sorting of the Influenza Virus Hemagglutinin in Madin-Darby Canine Kidney Cells. Journal of Cell Biology, 1999, 145, 141-151.	5.2	161
9	MAL2, a novel raft protein of the MAL family, is an essential component of the machinery for transcytosis in hepatoma HepG2 cells. Journal of Cell Biology, 2002, 159, 37-44.	5.2	124
10	Synaptotagmin-like proteins control the formation of a single apical membrane domain in epithelial cells. Nature Cell Biology, 2012, 14, 838-849.	10.3	124
11	The Cdc42 GEF Intersectin 2 controls mitotic spindle orientation to form the lumen during epithelial morphogenesis. Journal of Cell Biology, 2010, 189, 725-738.	5.2	121
12	Cell confinement controls centrosome positioning and lumen initiation during epithelial morphogenesis. Journal of Cell Biology, 2012, 198, 1011-1023.	5.2	103
13	The Formin INF2 Regulates Basolateral-to-Apical Transcytosis and Lumen Formation in Association with Cdc42 and MAL2. Developmental Cell, 2010, 18, 814-827.	7.0	81
14	Cargo Sorting in the Endocytic Pathway: A Key Regulator of Cell Polarity and Tissue Dynamics. Cold Spring Harbor Perspectives in Biology, 2014, 6, a016899-a016899.	5.5	60
15	Developmental regulation of apical endocytosis controls epithelial patterning in vertebrate tubularÂorgans. Nature Cell Biology, 2015, 17, 241-250.	10.3	60
16	Phosphoinositides Control Epithelial Development. Cell Cycle, 2007, 6, 1957-1961.	2.6	58
17	MAL Mediates Apical Transport of Secretory Proteins in Polarized Epithelial Madin-Darby Canine Kidney Cells. Journal of Biological Chemistry, 2001, 276, 49337-49342.	3.4	56
18	Semaphorin-Plexin Signaling Controls Mitotic Spindle Orientation during Epithelial Morphogenesis and Repair. Developmental Cell, 2015, 33, 299-313.	7.0	56

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19	Mechanosensitive adhesion complexes in epithelial architecture and cancer onset. Current Opinion in Cell Biology, 2018, 50, 42-49.	5.4	43
20	Divide and polarize: recent advances in the molecular mechanism regulating epithelial tubulogenesis. Current Opinion in Cell Biology, 2011, 23, 638-646.	5.4	37
21	EGFR controls IQGAP basolateral membrane localization and mitotic spindle orientation during epithelial morphogenesis. EMBO Journal, 2014, 33, 129-145.	7.8	37
22	MAL regulates clathrin-mediated endocytosis at the apical surface of Madinâ€“Darby canine kidney cells. Journal of Cell Biology, 2003, 163, 155-164.	5.2	36
23	Crossroads of Wnt and Hippo in epithelial tissues. Trends in Cell Biology, 2013, 23, 380-389.	7.9	35
24	Phosphatase of regenerating liver (PRL)-3 disrupts epithelial architecture by altering the post-mitotic midbody position. Journal of Cell Science, 2016, 129, 4130-4142.	2.0	33
25	Thyroglobulin Is Selected as Luminal Protein Cargo for Apical Transport via Detergent-resistant Membranes in Epithelial Cells. Journal of Biological Chemistry, 2000, 275, 41074-41081.	3.4	29
26	The Amino-Terminal Nine Amino Acid Sequence of Poliovirus Capsid VP4 Protein Is Sufficient To Confer N-Myristoylation and Targeting to Detergent-Insoluble Membranesâ€. Biochemistry, 2000, 39, 1083-1090.	2.5	28
27	DIDO as a Switchboard that Regulates Self-Renewal and Differentiation inÂEmbryonic Stem Cells. Stem Cell Reports, 2017, 8, 1062-1075.	4.8	25
28	Signaling Networks in Epithelial Tube Formation. Cold Spring Harbor Perspectives in Biology, 2017, 9, a027946.	5.5	24
29	Expression and Distribution of MAL2, an Essential Element of the Machinery for Basolateral-to-Apical Transcytosis, in Human Thyroid Epithelial Cells. Endocrinology, 2004, 145, 1011-1016.	2.8	21
30	Endocytic turnover of Rab8 controls cell polarization. Journal of Cell Science, 2017, 130, 1147-1157.	2.0	21
31	Chapter 3 Acquisition of Membrane Polarity in Epithelial Tube Formation. International Review of Cell and Molecular Biology, 2009, 274, 129-182.	3.2	19
32	Picking up the threads: extracellular matrix signals in epithelial morphogenesis. Current Opinion in Cell Biology, 2014, 30, 83-90.	5.4	19
33	Mechanical control of epithelial lumen formation. Small GTPases, 2013, 4, 136-140.	1.6	18
34	Micropattern-based platform as a physiologically relevant model to study epithelial morphogenesis and nephrotoxicity. Biomaterials, 2019, 218, 119339.	11.4	17
35	The vertebrate epithelial apical junctional complex: Dynamic interplay between Rho GTPase activity and cell polarization processes. Biochimica Et Biophysica Acta - Biomembranes, 2020, 1862, 183398.	2.6	13
36	Sfrp3 modulates stromalâ€“epithelial crosstalk during mammary gland development by regulating Wnt levels. Nature Communications, 2019, 10, 2481.	12.8	10

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37	The hole picture. Nature, 2006, 442, 363-364.	27.8	7
38	Smoothelin-like 2 Inhibits Coronin-1B to Stabilize the Apical Actin Cortex during Epithelial Morphogenesis. Current Biology, 2021, 31, 696-706.e9.	3.9	7
39	Methods for Analysis of Apical Lumen Trafficking Using Micropatterned 3D Systems. Methods in Cell Biology, 2013, 118, 105-123.	1.1	6
40	Deciphering the interplay between autophagy and polarity in epithelial tubulogenesis. Seminars in Cell and Developmental Biology, 2022, 131, 160-172.	5.0	3
41	Tip-end fusion of a rod-shaped secretory organelle. Cellular and Molecular Life Sciences, 2022, 79, .	5.4	2
42	Isolation of Lipid Raft-Associated Proteolipids. , 2003, 228, 223-230.		1
43	Cell-Polarity Dynamics Controls the Mechanism of Lumen Formation in Epithelial Morphogenesis. Current Biology, 2008, 18, 1016.	3.9	1
44	KIF16B delivers for transcytosis. EMBO Journal, 2013, 32, 2093-2095.	7.8	1
45	Breast cancer has a new metabolic Achillesâ€™ heel. Nature Metabolism, 2021, 3, 590-592.	11.9	1
46	Cell-Polarity Dynamics Controls the Mechanism of Lumen Formation in Epithelial Morphogenesis. Current Biology, 2008, 18, 630.	3.9	0
47	Apical poles without neighbouring cells. Nature Materials, 2020, 19, 935-937.	27.5	0
48	Intercalate or invaginate: PI(3,4,5)P3 governs a membrane constriction switch in cell shaping. Developmental Cell, 2021, 56, 2542-2544.	7.0	0
49	The Smoothelin-Like 2, Cortactin and Coronin-1B Network Controls the Apical Actin Cortex During Epithelial Morphogenesis. SSRN Electronic Journal, 0, , .	0.4	0
50	Methods to Generate Tube Micropatterns for Epithelial Morphogenetic Analyses and Tissue Engineering. Methods in Molecular Biology, 2021, 2179, 227-242.	0.9	0
51	Actomyosin fibers DApPLE epithelial apical junctions. Journal of Cell Biology, 2022, 221, .	5.2	0