# Michael J Caplan

List of Publications by Year
in descending order



| | | | |
|---|---|---|---|
| 160 papers | 9,836 citations | 34105 52 h-index | 37204 96 g-index |
| 166 all docs | 166 docs citations | 166 times ranked | 11919 citing authors |

| # | Article | IF | Citations |
|---|---|---|---|
| 1 | Olfactory receptor responding to gut microbiota-derived signals plays a role in renin secretion and blood pressure regulation. Proceedings of the National Academy of Sciences of the United States of America, 2013, 110, 4410-4415. | 7.1 | 893 |
| 2 | Curcumin, a Major Constituent of Turmeric, Corrects Cystic Fibrosis Defects. Science, 2004, 304, 600-602. | 12.6 | 532 |
| 3 | Exosome release of Î²-catenin: a novel mechanism that antagonizes Wnt signaling. Journal of Cell Biology, 2010, 190, 1079-1091. | 5.2 | 455 |
| 4 | The uptake and intracellular fate of PLGA nanoparticles in epithelial cells. Biomaterials, 2009, 30, 2790-2798. | 11.4 | 363 |
| 5 | Activating AMP-activated protein kinase (AMPK) slows renal cystogenesis. Proceedings of the National Academy of Sciences of the United States of America, 2011, 108, 2462-2467. | 7.1 | 276 |
| 6 | Monoclonal antibody to Na,K-ATPase: Immunocytochemical localization along nephron segments. Kidney International, 1985, 28, 899-913. | 5.2 | 266 |
| 7 | Regulation of myocardial glucose uptake and transport during ischemia and energetic stress. American Journal of Cardiology, 1999, 83, 25-30. | 1.6 | 264 |
| 8 | Inflammasome-activating nanoparticles as modular systems for optimizing vaccine efficacy. Vaccine, 2009, 27, 3013-3021. | 3.8 | 261 |
| 9 | Mechanical stimuli induce cleavage and nuclear translocation of the polycystin-1 C terminus. Journal of Clinical Investigation, 2004, 114, 1433-1443. | 8.2 | 247 |
| 10 | AMP-activated protein kinase regulates the assembly of epithelial tight junctions. Proceedings of the National Academy of Sciences of the United States of America, 2006, 103, 17272-17277. | 7.1 | 236 |
| 11 | Intracellular sorting and polarized cell surface delivery of (Na+,K+)ATPase, an endogenous component of MDCK cell basolateral plasma membranes. Cell, 1986, 46, 623-631. | 28.9 | 234 |
| 12 | The cell biology of polycystic kidney disease. Journal of Cell Biology, 2010, 191, 701-710. | 5.2 | 232 |
| 13 | Dependence on pH of polarized sorting of secreted proteins. Nature, 1987, 329, 632-635. | 27.8 | 199 |
| 14 | Calcium-pump inhibitors induce functional surface expression of Î”F508-CFTR protein in cystic fibrosis epithelial cells. Nature Medicine, 2002, 8, 485-492. | 30.7 | 199 |
| 15 | Macrophages Promote Cyst Growth in Polycystic Kidney Disease. Journal of the American Society of Nephrology: JASN, 2011, 22, 1809-1814. | 6.1 | 192 |
| 16 | Functional expression of the olfactory signaling system in the kidney. Proceedings of the National Academy of Sciences of the United States of America, 2009, 106, 2059-2064. | 7.1 | 189 |
| 17 | Antigen-specific, antibody-coated, exosome-like nanovesicles deliver suppressor T-cell microRNA-150 to effector T cells to inhibit contact sensitivity. Journal of Allergy and Clinical Immunology, 2013, 132, 170-181.e9. | 2.9 | 187 |
| 18 | Low-Flow Ischemia Leads to Translocation of Canine Heart GLUT-4 and GLUT-1 Glucose Transporters to the Sarcolemma In Vivo. Circulation, 1997, 95, 415-422. | 1.6 | 186 |

| # | Article | IF | Citations |
|---|---|---|---|
| 19 | Polycystin-1 C-terminal tail associates with Î²-catenin and inhibits canonical Wnt signaling. Human Molecular Genetics, 2008, 17, 3105-3117. | 2.9 | 163 |
| 20 | Partial Correction of Cystic Fibrosis Defects with PLGA Nanoparticles Encapsulating Curcumin. Molecular Pharmaceutics, 2010, 7, 86-93. | 4.6 | 123 |
| 21 | Metabolism and mitochondria in polycystic kidney disease research andÂtherapy. Nature Reviews Nephrology, 2018, 14, 678-687. | 9.6 | 122 |
| 22 | Polycystin-2 and phosphodiesterase 4C are components of a ciliary A-kinase anchoring protein complex that is disrupted in cystic kidney diseases. Proceedings of the National Academy of Sciences of the United States of America, 2011, 108, 10679-10684. | 7.1 | 117 |
| 23 | Transport Protein Trafficking in Polarized Cells. Annual Review of Cell and Developmental Biology, 2003, 19, 333-366. | 9.4 | 112 |
| 24 | Tyrosine-based Membrane Protein Sorting Signals Are Differentially Interpreted by Polarized Madin-Darby Canine Kidney and LLC-PK1 Epithelial Cells. Journal of Biological Chemistry, 1998, 273, 26862-26869. | 3.4 | 109 |
| 25 | TLR9-Targeted Biodegradable Nanoparticles as Immunization Vectors Protect against West Nile Encephalitis. Journal of Immunology, 2010, 185, 2989-2997. | 0.8 | 104 |
| 26 | Evidence for a high and specific concentration of (Na+,K+)ATPase in the plasma membrane of the osteoclast. Cell, 1986, 46, 311-320. | 28.9 | 103 |
| 27 | The tetraspanin CD63 enhances the internalization of the H,K-ATPase Â-subunit. Proceedings of the National Academy of Sciences of the United States of America, 2003, 100, 15560-15565. | 7.1 | 101 |
| 28 | A Tyrosine-Based Signal Targets H/K-ATPase to a Regulated Compartment and Is Required for the Cessation of Gastric Acid Secretion. Cell, 1997, 90, 501-510. | 28.9 | 99 |
| 29 | Trafficking to the Apical and Basolateral Membranes in Polarized Epithelial Cells. Journal of the American Society of Nephrology: JASN, 2014, 25, 1375-1386. | 6.1 | 90 |
| 30 | Cell-specific Sorting of Biogenic Amine Transporters Expressed in Epithelial Cells. Journal of Biological Chemistry, 1996, 271, 18100-18106. | 3.4 | 89 |
| 31 | Identification of Sorting Determinants in the C-terminal Cytoplasmic Tails of the Î³-Aminobutyric Acid Transporters GAT-2 and GAT-3. Journal of Biological Chemistry, 1998, 273, 25616-25627. | 3.4 | 89 |
| 32 | Regulated Intramembrane Proteolysis: Signaling Pathways and Biological Functions. Physiology, 2011, 26, 34-44. | 3.1 | 87 |
| 33 | Everything You Always Wanted to Know about Î²3-AR * (* But Were Afraid to Ask). Cells, 2019, 8, 357. | 4.1 | 86 |
| 34 | Na+,K+-ATPase in the Choroid Plexus. Journal of Biological Chemistry, 1995, 270, 2427-2430. | 3.4 | 85 |
| 35 | Polycystin-1 Distribution Is Modulated by Polycystin-2 Expression in Mammalian Cells. Journal of Biological Chemistry, 2003, 278, 36786-36793. | 3.4 | 85 |
| 36 | Membrane proteins follow multiple pathways to the basolateral cell surface in polarized epithelial cells. Journal of Cell Biology, 2009, 186, 269-282. | 5.2 | 85 |

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| 37 | Investigation of peanut oral immunotherapy with CpG/peanut nanoparticles in a murine model of peanut allergy. Journal of Allergy and Clinical Immunology, 2016, 138, 536-543.e4. | 2.9 | 83 |
| 38 | Preactivation of AMPK by metformin may ameliorate the epithelial cell damage caused by renal ischemia. American Journal of Physiology - Renal Physiology, 2011, 301, F1346-F1357. | 2.7 | 81 |
| 39 | A Transmembrane Segment Determines the Steady-State Localization of an Ion-Transporting Adenosine Triphosphatase. Journal of Cell Biology, 2000, 148, 769-778. | 5.2 | 81 |
| 40 | Additive Effects of Hyperinsulinemia and Ischemia on Myocardial GLUT1 and GLUT4 Translocation In Vivo. Circulation, 1998, 98, 2180-2186. | 1.6 | 77 |
| 41 | Ion Pumps in Polarized Cells: Sorting and Regulation of the Na+,K+- and H+,K+-ATPases. Journal of Biological Chemistry, 2001, 276, 29617-29620. | 3.4 | 77 |
| 42 | Exon Loss Accounts for Differential Sorting of Na-K-Cl Cotransporters in Polarized Epithelial Cells. Molecular Biology of the Cell, 2008, 19, 4341-4351. | 2.1 | 75 |
| 43 | The polycystins are modulated by cellular oxygen-sensing pathways and regulate mitochondrial function. Molecular Biology of the Cell, 2017, 28, 261-269. | 2.1 | 73 |
| 44 | Polycystin-1 Is a Cardiomyocyte Mechanosensor That Governs L-Type Ca <sup>2+</sup> Channel Protein Stability. Circulation, 2015, 131, 2131-2142. | 1.6 | 71 |
| 45 | Polycystin-1 Surface Localization Is Stimulated by Polycystin-2 and Cleavage at the G Protein-coupled Receptor Proteolytic Site. Molecular Biology of the Cell, 2010, 21, 4338-4348. | 2.1 | 67 |
| 46 | Artificial bacterial biomimetic nanoparticles synergize pathogen-associated molecular patterns for vaccine efficacy. Biomaterials, 2016, 97, 85-96. | 11.4 | 66 |
| 47 | Polycystic kidney disease: Pathogenesis and potential therapies. Biochimica Et Biophysica Acta - Molecular Basis of Disease, 2011, 1812, 1337-1343. | 3.8 | 63 |
| 48 | Sorting of Two Polytopic Proteins, the Î³-Aminobutyric Acid and Betaine Transporters, in Polarized Epithelial Cells. Journal of Biological Chemistry, 1997, 272, 6584-6592. | 3.4 | 61 |
| 49 | The Î³-Secretase Cleavage Product of Polycystin-1 Regulates TCF and CHOP-Mediated Transcriptional Activation through a p300-Dependent Mechanism. Developmental Cell, 2012, 22, 197-210. | 7.0 | 61 |
| 50 | CFTR is required for PKA-regulated ATP sensitivity of Kir1.1 potassium channels in mouse kidney. Journal of Clinical Investigation, 2006, 116, 797-807. | 8.2 | 61 |
| 51 | Polarized Expression of GABA Transporters in Madin-Darby Canine Kidney Cells and Cultured Hippocampal Neurons. Journal of Biological Chemistry, 1996, 271, 6917-6924. | 3.4 | 54 |
| 52 | MAL decreases the internalization of the aquaporin-2 water channel. Proceedings of the National Academy of Sciences of the United States of America, 2007, 104, 16696-16701. | 7.1 | 54 |
| 53 | ATP1AL1, a Member of the Non-gastric H,K-ATPase Family, Functions as a Sodium Pump. Journal of Biological Chemistry, 1998, 273, 27772-27778. | 3.4 | 53 |
| 54 | Polycystin-2 Regulates Proliferation and Branching Morphogenesis in Kidney Epithelial Cells. Journal of Biological Chemistry, 2006, 281, 137-144. | 3.4 | 49 |

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| 55 | The Roles of Carbohydrate Chains of the Î²-Subunit on the Functional Expression of Gastric H+,K+-ATPase. Journal of Biological Chemistry, 2000, 275, 8324-8330. | 3.4 | 46 |
| 56 | AMP-activated Protein Kinase (AMPK) Activation and Glycogen Synthase Kinase-3Î² (GSK-3Î²) Inhibition Induce Ca2+-independent Deposition of Tight Junction Components at the Plasma Membrane. Journal of Biological Chemistry, 2011, 286, 16879-16890. | 3.4 | 46 |
| 57 | Aquaporin-2: COOH terminus is necessary but not sufficient for routing to the apical membrane. American Journal of Physiology - Renal Physiology, 2002, 282, F330-F340. | 2.7 | 42 |
| 58 | Implications of AMPK in the Formation of Epithelial Tight Junctions. International Journal of Molecular Sciences, 2018, 19, 2040. | 4.1 | 39 |
| 59 | AS160 Associates with the Na<sup>+</sup>,K<sup>+</sup>-ATPase and Mediates the Adenosine Monophosphate-stimulated Protein Kinase-dependent Regulation of Sodium Pump Surface Expression. Molecular Biology of the Cell, 2010, 21, 4400-4408. | 2.1 | 37 |
| 60 | The cell biology of ion pumps: sorting and regulation. European Journal of Cell Biology, 2000, 79, 557-563. | 3.6 | 36 |
| 61 | The NH<sub>2</sub>-terminus of Norepinephrine Transporter Contains a Basolateral Localization Signal for Epithelial Cells. Molecular Biology of the Cell, 2001, 12, 3797-3807. | 2.1 | 36 |
| 62 | Arrestins and Spinophilin Competitively Regulate Na<sup>+</sup>,K<sup>+</sup>-ATPase Trafficking through Association with a Large Cytoplasmic Loop of the Na<sup>+</sup>,K<sup>+</sup>-ATPase. Molecular Biology of the Cell, 2007, 18, 4508-4518. | 2.1 | 35 |
| 63 | Activation of the calcium-sensing receptor induces deposition of tight junction components to the epithelial cell plasma membrane. Journal of Cell Science, 2013, 126, 5132-42. | 2.0 | 35 |
| 64 | Polycystin-1 C-terminal Cleavage Is Modulated by Polycystin-2 Expression. Journal of Biological Chemistry, 2009, 284, 21011-21026. | 3.4 | 32 |
| 65 | Gastric parietal cell acid secretion in mice can be regulated independently of H+/K+ ATPase endocytosis. Gastroenterology, 2004, 127, 145-154. | 1.3 | 30 |
| 66 | The C-Terminal Tail of the Polycystin-1 Protein Interacts with the Na,K-ATPase Î±-Subunit. Molecular Biology of the Cell, 2005, 16, 5087-5093. | 2.1 | 30 |
| 67 | MAL/VIP17, a New Player in the Regulation of NKCC2 in the Kidney. Molecular Biology of the Cell, 2010, 21, 3985-3997. | 2.1 | 30 |
| 68 | Polarized traffic towards the cell surface: how to find the route. Biology of the Cell, 2010, 102, 75-91. | 2.0 | 28 |
| 69 | Residues of the Fourth Transmembrane Segments of the Na,K-ATPase and the Gastric H,K-ATPase Contribute to Cation Selectivity. Journal of Biological Chemistry, 2000, 275, 1749-1756. | 3.4 | 27 |
| 70 | Chapter 4 Protein Trafficking in Polarized Cells. International Review of Cell and Molecular Biology, 2008, 270, 145-179. | 3.2 | 27 |
| 71 | Knockdown of ezrin causes intrahepatic cholestasis by the dysregulation of bile fluidity in the bile duct epithelium in mice. Hepatology, 2015, 61, 1660-1671. | 7.3 | 27 |
| 72 | Sorting of H,K-ATPase Î²-Subunit in MDCK and LLC-PK1 Cells is Independent of Î¼1B Adaptin Expression. Traffic, 2004, 5, 449-461. | 2.7 | 26 |

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| 73 | Epithelial morphogenesis of MDCK cells in three-dimensional collagen culture is modulated by interleukin-8. American Journal of Physiology - Cell Physiology, 2013, 304, C966-C975. | 4.6 | 26 |
| 74 | Polycystin-1 cleavage and the regulation of transcriptional pathways. Pediatric Nephrology, 2014, 29, 505-511. | 1.7 | 25 |
| 75 | Polycystin-1 regulates bone development through an interaction with the transcriptional coactivator TAZ. Human Molecular Genetics, 2019, 28, 16-30. | 2.9 | 25 |
| 76 | Protein Phosphatase 2A Interacts with the Na+,K+-ATPase and Modulates Its Trafficking by Inhibition of Its Association with Arrestin. PLoS ONE, 2011, 6, e29269. | 2.5 | 25 |
| 77 | Cell surface biotinylation in the determination of epithelial membrane polarity. Cytotechnology, 1992, 14, 173-180. | 0.3 | 24 |
| 78 | POSH Stimulates the Ubiquitination and the Clathrin-independent Endocytosis of ROMK1 Channels. Journal of Biological Chemistry, 2009, 284, 29614-29624. | 3.4 | 24 |
| 79 | Ligand-modified gene carriers increased uptake in target cells but reduced DNA release and transfection efficiency. Nanomedicine: Nanotechnology, Biology, and Medicine, 2010, 6, 334-343. | 3.3 | 23 |
| 80 | Expression of Tetraspan Protein CD63 Activates Protein-tyrosine Kinase (PTK) and Enhances the PTK-induced Inhibition of ROMK Channels. Journal of Biological Chemistry, 2008, 283, 7674-7681. | 3.4 | 21 |
| 81 | Lymphocytes Accelerate Epithelial Tight Junction Assembly: Role of AMP-Activated Protein Kinase (AMPK). PLoS ONE, 2010, 5, e12343. | 2.5 | 21 |
| 82 | Interactions between Î²-Catenin and the HSlo Potassium Channel Regulates HSlo Surface Expression. PLoS ONE, 2011, 6, e28264. | 2.5 | 21 |
| 83 | The COOH-terminal tail of the GAT-2 GABA transporter contains a novel motif that plays a role in basolateral targeting. American Journal of Physiology - Cell Physiology, 2004, 286, C1071-C1077. | 4.6 | 20 |
| 84 | Renal Cystic Disease Proteins Play Critical Roles in the Organization of the Olfactory Epithelium. PLoS ONE, 2011, 6, e19694. | 2.5 | 20 |
| 85 | Chloride channels regulate differentiation and barrier functions of the mammalian airway. ELife, 2020, 9, . | 6.0 | 20 |
| 86 | Differential localization of human nongastric H<sup>+</sup>-K<sup>+</sup>-ATPase ATP1AL1 in polarized renal epithelial cells. American Journal of Physiology - Renal Physiology, 2000, 279, F417-F425. | 2.7 | 19 |
| 87 | Ion Pumpâ€Interacting Proteins: Promising New Partners. Annals of the New York Academy of Sciences, 2003, 986, 360-368. | 3.8 | 19 |
| 88 | Effects of okadaic acid, calyculin A, and PDBu on state of phosphorylation of rat renal Na<sup>+</sup>-K<sup>+</sup>-ATPase. American Journal of Physiology - Renal Physiology, 1998, 275, F863-F869. | 2.7 | 18 |
| 89 | Extracellular Domains, Transmembrane Segments, and Intracellular Domains Interact To Determine the Cation Selectivity of Na,K- and Gastric H,K-ATPaseâ€. Biochemistry, 2002, 41, 9803-9812. | 2.5 | 18 |
| 90 | The Cytoplasmic Tail Dileucine Motif LL572 Determines the Glycosylation Pattern of Membrane-type 1 Matrix Metalloproteinase. Journal of Biological Chemistry, 2008, 283, 35410-35418. | 3.4 | 18 |

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| 91 | Tetraspan proteins: regulators of renal structure and function. Current Opinion in Nephrology and Hypertension, 2007, 16, 353-358. | 2.0 | 17 |
| 92 | Novel sensory signaling systems in the kidney. Current Opinion in Nephrology and Hypertension, 2012, 21, 404-409. | 2.0 | 17 |
| 93 | Akt Substrate of 160 kD Regulates Na+,K+-ATPase Trafficking in Response to Energy Depletion and Renal Ischemia. Journal of the American Society of Nephrology: JASN, 2015, 26, 2765-2776. | 6.1 | 17 |
| 94 | A tyrosine-based signal regulates H-K-ATPase-mediated potassium reabsorption in the kidney. American Journal of Physiology - Renal Physiology, 1998, 275, F818-F826. | 2.7 | 16 |
| 95 | The C-terminal Tail of the Metabotropic Glutamate Receptor Subtype 7 Is Necessary but Not Sufficient for Cell Surface Delivery and Polarized Targeting in Neurons and Epithelia. Journal of Biological Chemistry, 2001, 276, 9133-9140. | 3.4 | 16 |
| 96 | Epithelial junctions and polarity: complexes and kinases. Current Opinion in Nephrology and Hypertension, 2008, 17, 506-512. | 2.0 | 16 |
| 97 | Cation Selectivity of Gastric H,K-ATPase and Na,K-ATPase Chimeras. Journal of Biological Chemistry, 1999, 274, 18374-18381. | 3.4 | 15 |
| 98 | Developmental Lung Malformations in Children. Journal of Thoracic Imaging, 2015, 30, 29-45. | 1.5 | 15 |
| 99 | A cut above (and below): Protein cleavage in the regulation of polycystin trafficking and signaling. Cellular Signalling, 2020, 72, 109634. | 3.6 | 15 |
| 100 | The periciliary ring in polarized epithelial cells is a hot spot for delivery of the apical protein gp135. Journal of Cell Biology, 2015, 211, 287-294. | 5.2 | 14 |
| 101 | Chemical and Physical Sensors in the Regulation of Renal Function. Clinical Journal of the American Society of Nephrology: CJASN, 2015, 10, 1626-1635. | 4.5 | 14 |
| 102 | Gastric H+/K+-ATPase: targeting signals in the regulation of physiologic function. Current Opinion in Cell Biology, 1998, 10, 468-473. | 5.4 | 13 |
| 103 | Association with Î²-COP Regulates the Trafficking of the Newly Synthesized Na,K-ATPase*. Journal of Biological Chemistry, 2010, 285, 33737-33746. | 3.4 | 13 |
| 104 | The Future of the Pump. Journal of Clinical Gastroenterology, 2007, 41, S217-S222. | 2.2 | 12 |
| 105 | Sorting of ion transport proteins in polarized cells. Journal of Cell Science, 1993, 1993, 13-20. | 2.0 | 11 |
| 106 | Dual pulse-chase microscopy reveals early divergence in the biosynthetic trafficking of the Na,K-ATPase and E-cadherin. Molecular Biology of the Cell, 2015, 26, 4401-4411. | 2.1 | 11 |
| 107 | Newly synthesized polycystinâ€1 takes different trafficking pathways to the apical and ciliary membranes. Traffic, 2018, 19, 933-945. | 2.7 | 10 |
| 108 | Ion pump sorting in polarized renal epithelial cells. Kidney International, 2001, 60, 427-430. | 5.2 | 8 |

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| 109 | VIP17/MAL expression modulates epithelial cyst formation and ciliogenesis. American Journal of Physiology - Cell Physiology, 2012, 303, C862-C871. | 4.6 | 8 |
| 110 | The secretory pathway at 50: a golden anniversary for some momentous grains of silver. Molecular Biology of the Cell, 2017, 28, 229-232. | 2.1 | 8 |
| 111 | Sorting of Ion Pumps in Polarized Epithelial Cells.. Annals of the New York Academy of Sciences, 1997, 834, 514-523. | 3.8 | 7 |
| 112 | An Extracellular Loop of the Human Non-Gastric H,K-ATPase a-subunit is Involved in Apical Plasma Membrane Polarization. Cellular Physiology and Biochemistry, 2006, 18, 75-84. | 1.6 | 7 |
| 113 | Î²3 adrenergic receptor as potential therapeutic target in ADPKD. Physiological Reports, 2021, 9, e15058. | 1.7 | 7 |
| 114 | Detecting the Surface Localization and Cytoplasmic Cleavage of Membrane-Bound Proteins. Methods in Cell Biology, 2009, 94, 223-239. | 1.1 | 6 |
| 115 | Telling kidneys to cease and decyst. Nature Medicine, 2010, 16, 751-752. | 30.7 | 6 |
| 116 | Incidental Mucocele of the Appendix in a 15-Year-Old Girl. Pediatric Emergency Care, 2014, 30, 555-557. | 0.9 | 6 |
| 117 | AMPK and Polycystic Kidney Disease Drug Development: An Interesting Off-Target Target. Frontiers in Medicine, 2022, 9, 753418. | 2.6 | 6 |
| 118 | Chapter 2 Biogenesis and Sorting of Plasma Membrane Proteins. Current Topics in Membranes, 1991, 39, 37-86. | 0.9 | 5 |
| 119 | The generation of epithelial polarity in mammalian and Drosophila embryos. Seminars in Developmental Biology, 1995, 6, 39-46. | 1.3 | 5 |
| 120 | Sorting and trafficking of ion transport proteins in polarized epithelial cells. Current Opinion in Nephrology and Hypertension, 1997, 6, 455-459. | 2.0 | 5 |
| 121 | Mechanisms involved in AMPK-mediated deposition of tight junction components to the plasma membrane. American Journal of Physiology - Cell Physiology, 2020, 318, C486-C501. | 4.6 | 5 |
| 122 | Sorting of the Gastric H,K-ATPase in Endocrine and Epithelial Cells. Annals of the New York Academy of Sciences, 1994, 733, 212-222. | 3.8 | 4 |
| 123 | An inversin convergence. Focus on â€œInversin modulates the cortical actin network during mitosisâ€• American Journal of Physiology - Cell Physiology, 2013, 305, C22-C23. | 4.6 | 4 |
| 124 | Newly synthesized and recycling pools of the apical protein gp135 do not occupy the same compartments. Traffic, 2016, 17, 1272-1285. | 2.7 | 4 |
| 125 | SNAP-Tag to Monitor Trafficking of Membrane Proteins in Polarized Epithelial Cells. Methods in Molecular Biology, 2014, 1174, 171-182. | 0.9 | 4 |
| 126 | How megalin finds its way: identification of a novel apical sorting motif.Focus on â€œIdentification of an apical sorting determinant in the cytoplasmic tail of megalinâ€• American Journal of Physiology - Cell Physiology, 2003, 284, C1101-C1104. | 4.6 | 3 |

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| 127 | Physiology and Physiology: Back to the Future. Physiology, 2004, 19, 232-232. | 3.1 | 3 |
| 128 | Dystroglycan and AMP Kinase: Polarity's Protectors when the Power Goes Out. Developmental Cell, 2009, 16, 1-2. | 7.0 | 3 |
| 129 | Holding open the door reveals a new view of polycystin channel function. EMBO Reports, 2019, 20, e49156. | 4.5 | 3 |
| 130 | Chapter 8 Synthesis and Sorting of Ion Pumps in Polarized Cells. Current Topics in Membranes, 1994, 41, 143-168. | 0.9 | 2 |
| 131 | [25] Expression of neurotransmitter transport systems in polarized cells. Methods in Enzymology, 1998, 296, 370-388. | 1.0 | 2 |
| 132 | The Polycystin Complex Reveals Its Complexity. Biochemistry, 2018, 57, 6917-6918. | 2.5 | 2 |
| 133 | Teach Your Children Well. . . .. Physiology, 2007, 22, 298-298. | 3.1 | 1 |
| 134 | Interesting Times. Physiology, 2009, 24, 74-74. | 3.1 | 1 |
| 135 | Systems Biology and the Biology of Systems. Physiology, 2010, 25, 58-58. | 3.1 | 1 |
| 136 | Autosomal Dominant Polycystic Kidney Disease. , 2013, , 2645-2688. | | 1 |
| 137 | Mechanical stimuli induce cleavage and nuclear translocation of the polycystin-1 C terminus. Journal of Clinical Investigation, 2005, 115, 788-788. | 8.2 | 1 |
| 138 | Polycystinâ€1 stimulates skeletogenesis via TAZâ€mediated activation of RunX2. FASEB Journal, 2012, 26, lb811. | 0.5 | 1 |
| 139 | Polycystin 1 is an atypical adhesion GPCR that responds to nonâ€canonical WNT signals and inhibits GSK3Î². FASEB Journal, 2019, 33, 863.10. | 0.5 | 1 |
| 140 | Signals and Mechanisms of Sorting in Epithelial Polarity. Advances in Molecular and Cell Biology, 1998, , 95-131. | 0.1 | 0 |
| 141 | Cell biology of ABC transporters. Kidney International, 2002, 62, 1514-1515. | 5.2 | 0 |
| 142 | A Failure to Communicate . . .. Physiology, 2006, 21, 156-156. | 3.1 | 0 |
| 143 | Epithelial Cell Structure and Polarity. , 2008, , 1-34. | | 0 |
| 144 | Look Who's Talking. . . .. Physiology, 2011, 26, 306-306. | 3.1 | 0 |

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| 145 | Epithelial Cell Structure and Polarity. , 2013, , 3-43. | | 0 |
| 146 | 2016 Robert W. Berliner Award for Excellence in Renal Physiology. American Journal of Physiology - Renal Physiology, 2016, 310, F803-F804. | 2.7 | 0 |
| 147 | The tail of polycystin-1 pays the kidney a complement. American Journal of Physiology - Renal Physiology, 2016, 310, F1180-F1181. | 2.7 | 0 |
| 148 | Physiology and Physiology, 2021. Physiology, 2021, 36, 268-269. | 3.1 | 0 |
| 149 | In Celebration of Unsung Heroes. Physiology, 2005, 20, 286-286. | 3.1 | 0 |
| 150 | Autosomal Dominant Polycystic Kidney Disease and Inherited Cystic Diseases. , 2008, , 2283-2313. | | 0 |
| 151 | POSH decreases ROMK1 channel activity through stimulating clatharinâ€independent and dynaminâ€dependent endocytosis.. FASEB Journal, 2008, 22, 1180.1. | 0.5 | 0 |
| 152 | Apical membrane expression of NKCC2 is directed by a domain within its cytoplasmic Câ€terminus. FASEB Journal, 2008, 22, 935.4. | 0.5 | 0 |
| 153 | Exosomeâ€release of betaâ€catenin: A novel mechanism to antagonize Wnt signaling. FASEB Journal, 2010, 24, 715.3. | 0.5 | 0 |
| 154 | Biosynthetic sorting of the sodium pump: Visualization of the segregation of newly synthesized epithelial Na,Kâ€ATPase from apically directed proteins. FASEB Journal, 2012, 26, 885.6. | 0.5 | 0 |
| 155 | AS160: a new Na,Kâ€ATPase partner that regulates the trafficking of the sodium pump in response to energy depletion and renal ischemia. FASEB Journal, 2012, 26, lb808. | 0.5 | 0 |
| 156 | Role of Calcineurin in Polycystin Protein Trafficking to the Primary Cilium in LLCPK Cells. FASEB Journal, 2012, 26, 868.3. | 0.5 | 0 |
| 157 | The periciliary ring in polarized epithelial cells is a hot spot for delivery of the apical protein gp135. Journal of General Physiology, 2015, 146, 1466OIA69. | 1.9 | 0 |
| 158 | Novel protein trafficking and signaling pathways in kidney physiology and pathophysiology. FASEB Journal, 2019, 33, 20.2. | 0.5 | 0 |
| 159 | Membrane phosphoinositides and renal epithelial cell polarity determination in the Xenopus pronephros in vivo. FASEB Journal, 2022, 36, . | 0.5 | 0 |
| 160 | Polycystin 1 ciliary localization is regulated by its aGPCR activity. FASEB Journal, 2022, 36, . | 0.5 | 0 |