

# Shmuel Muallem

## List of Publications by Year in descending order

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125  
papers

12,396  
citations

18482

62  
h-index

24258

110  
g-index

126  
all docs

126  
docs citations

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times ranked

8242  
citing authors

| #  | ARTICLE   | IF   | CITATIONS |
|----|---|------|-----------|
| 1  | TRPC3 channel gating by lipids requires localization at the ER/PM junctions defined by STIM1. <i>Journal of Cell Biology</i> , 2022, 221, .   | 5.2  | 13        |
| 2  | Ca <sup>2+</sup> Signaling in Exocrine Cells. <i>Cold Spring Harbor Perspectives in Biology</i> , 2020, 12, a035279.  | 5.5  | 11        |
| 3  | Cl <sup>−</sup> as a bona fide signaling ion. <i>American Journal of Physiology - Cell Physiology</i> , 2020, 318, C125-C136.   | 4.6  | 42        |
| 4  | No Zoom Required: Meeting at the I <sup>2</sup> -Intercalated Cells. <i>Journal of the American Society of Nephrology: JASN</i> , 2020, 31, 1655-1657.  | 6.1  | 1         |
| 5  | Ca <sup>2+</sup> Influx Channel Inhibitor SARAF Protects Mice From Acute Pancreatitis. <i>Gastroenterology</i> , 2019, 157, 1660-1672.e2.   | 1.3  | 33        |
| 6  | Anoctamin 8 tethers endoplasmic reticulum and plasma membrane for assembly of Ca <sup>2+</sup> signaling complexes at the ER/PM compartment. <i>EMBO Journal</i> , 2019, 38, .  | 7.8  | 53        |
| 7  | Oncogenes calling on a lysosomal Ca <sup>2+</sup> channel. <i>EMBO Reports</i> , 2019, 20, .  | 4.5  | 5         |
| 8  | Systemic Succinate Homeostasis and Local Succinate Signaling Affect Blood Pressure and Modify Risks for Calcium Oxalate Lithogenesis. <i>Journal of the American Society of Nephrology: JASN</i> , 2019, 30, 381-392. | 6.1  | 30        |
| 9  | Palmitoylation controls trafficking of the intracellular Ca <sup>2+</sup> channel MCOLN3/TRPML3 to regulate autophagy. <i>Autophagy</i> , 2019, 15, 327-340.  | 9.1  | 50        |
| 10 | CFTR is not a gluten lover either. <i>EMBO Journal</i> , 2019, 38, .  | 7.8  | 0         |
| 11 | CRAC channels in secretory epithelial cell function and disease. <i>Cell Calcium</i> , 2019, 78, 48-55.   | 2.4  | 9         |
| 12 | Exosomal release through TRPML1-mediated lysosomal exocytosis is required for adipogenesis. <i>Biochemical and Biophysical Research Communications</i> , 2019, 510, 409-415.  | 2.1  | 25        |
| 13 | Homer2 and Homer3 modulate RANKL-induced NFATc1 signaling in osteoclastogenesis and bone metabolism. <i>Journal of Endocrinology</i> , 2019, 242, 241-249.  | 2.6  | 15        |
| 14 | Modulation of Cl <sup>−</sup> signaling and ion transport by recruitment of kinases and phosphatases mediated by the regulatory protein IRBIT. <i>Science Signaling</i> , 2018, 11, .                                 | 3.6  | 16        |
| 15 | Orai1-Mediated Antimicrobial Secretion from Pancreatic Acini Shapes the Gut Microbiome and Regulates Gut Innate Immunity. <i>Cell Metabolism</i> , 2017, 25, 635-646.   | 16.2 | 127       |
| 16 | Ca <sup>2+</sup> influx at the ER/PM junctions. <i>Cell Calcium</i> , 2017, 63, 29-32.  | 2.4  | 30        |
| 17 | Correction of Ductal CFTR Activity Rescues Acinar Cell and Pancreatic and Salivary Gland Functions in Mouse Models of Autoimmune Disease. <i>Gastroenterology</i> , 2017, 153, 1148-1159.                             | 1.3  | 63        |
| 18 | The forefront of technology of science: Methods for monitoring cell function. <i>Cell Calcium</i> , 2017, 64, 1-2.  | 2.4  | 0         |

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|----|--|------|-----------|
| 19 | Lysosome signaling controls the migration of dendritic cells. <i>Science Immunology</i> , 2017, 2, .   | 11.9 | 119       |
| 20 | Lipids at membrane contact sites: cell signaling and ion transport. <i>EMBO Reports</i> , 2017, 18, 1893-1904.   | 4.5  | 71        |
| 21 | Opening the Orai1 gates. <i>Science Signaling</i> , 2017, 10, .  | 3.6  | 1         |
| 22 | Lysosomal Ca <sup>2+</sup> Signaling is Essential for Osteoclastogenesis and Bone Remodeling. <i>Journal of Bone and Mineral Research</i> , 2017, 32, 385-396.   | 2.8  | 30        |
| 23 | STIM-TRP Pathways and Microdomain Organization: Ca <sup>2+</sup> Influx Channels: The Orai-STIM1-TRPC Complexes. <i>Advances in Experimental Medicine and Biology</i> , 2017, 993, 139-157.  | 1.6  | 31        |
| 24 | Fusion of lysosomes with secretory organelles leads to uncontrolled exocytosis in the lysosomal storage disease mucopolipidosis type IV. <i>EMBO Reports</i> , 2016, 17, 266-278.  | 4.5  | 39        |
| 25 | The TRPCs, Orais and STIMs in ER/PM Junctions. <i>Advances in Experimental Medicine and Biology</i> , 2016, 898, 47-66.  | 1.6  | 15        |
| 26 | ROS and Ca <sup>2+</sup> Partners in sickness and in health. <i>Cell Calcium</i> , 2016, 60, 51-54.  | 2.4  | 7         |
| 27 | ROS in Ca <sup>2+</sup> signaling and disease-part 2. <i>Cell Calcium</i> , 2016, 60, 153-154.   | 2.4  | 2         |
| 28 | The CAR that drives Ca <sup>2+</sup> to Orai1. <i>Science Signaling</i> , 2016, 9, fs5.  | 3.6  | 2         |
| 29 | TRPML1 as lysosomal fusion guard. <i>Channels</i> , 2016, 10, 261-263.   | 2.8  | 5         |
| 30 | Orai1 and STIM1 in ER/PM junctions: roles in pancreatic cell function and dysfunction. <i>American Journal of Physiology - Cell Physiology</i> , 2016, 310, C414-C422.   | 4.6  | 18        |
| 31 | ROS and intracellular ion channels. <i>Cell Calcium</i> , 2016, 60, 108-114.   | 2.4  | 79        |
| 32 | Properties and Function of the Solute Carrier 26 Family of Anion Transporters. , 2016, , 465-489.  |      | 1         |
| 33 | CFTR: A New Horizon in the Pathomechanism and Treatment of Pancreatitis. <i>Reviews of Physiology, Biochemistry and Pharmacology</i> , 2016, 170, 37-66.   | 1.6  | 82        |
| 34 | Essential role of carbonic anhydrase XII in secretory gland fluid and HCO <sub>3</sub> <sup>-</sup> secretion revealed by disease causing human mutation. <i>Journal of Physiology</i> , 2015, 593, 5299-5312.                                     | 2.9  | 37        |
| 35 | Intracellular Cl <sup>-</sup> as a signaling ion that potently regulates Na <sup>+</sup> /HCO <sub>3</sub> <sup>-</sup> transporters. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , 2015, 112, E329-37. | 7.1  | 57        |
| 36 | The ER/PM microdomain, PI(4,5)P2 and the regulation of STIM1-Orai1 channel function. <i>Cell Calcium</i> , 2015, 58, 342-348.  | 2.4  | 47        |

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|----|---|------|-----------|
| 37 | Transient Receptor Potential Canonical Type 3 Channels Control the Vascular Contractility of Mouse Mesenteric Arteries. PLoS ONE, 2014, 9, e110413.   | 2.5  | 26        |
| 38 | Homer2 Protein Regulates Plasma Membrane Ca <sup>2+</sup> -ATPase-mediated Ca <sup>2+</sup> Signaling in Mouse Parotid Gland Acinar Cells. Journal of Biological Chemistry, 2014, 289, 24971-24979.   | 3.4  | 23        |
| 39 | Convergent regulation of the lysosomal two-pore channel-2 by Mg <sup>2+</sup> , NAADP, PI(3,5)P <sub>2</sub> and multiple protein kinases. EMBO Journal, 2014, 33, 501-511.   | 7.8  | 162       |
| 40 | How does NAADP release lysosomal Ca <sup>2+</sup> ? Channels, 2014, 8, 174-175.   | 2.8  | 6         |
| 41 | Translocation between PI(4,5)P <sub>2</sub> -poor and PI(4,5)P <sub>2</sub> -rich microdomains during store depletion determines STIM1 conformation and Orai1 gating. Nature Communications, 2014, 5, 5843.   | 12.8 | 121       |
| 42 | CFTR does it again: control of insulin secretion. Science China Life Sciences, 2014, 57, 1046-1046.   | 4.9  | 0         |
| 43 | Molecular Determinants Mediating Gating of Transient Receptor Potential Canonical (TRPC) Channels by Stromal Interaction Molecule 1 (STIM1). Journal of Biological Chemistry, 2014, 289, 6372-6382.   | 3.4  | 80        |
| 44 | Multiple Roles of the SO <sub>4</sub> <sup>2-</sup> /Cl <sup>-</sup> /OH <sup>-</sup> Exchanger Protein Slc26a2 in Chondrocyte Functions. Journal of Biological Chemistry, 2014, 289, 1993-2001.  | 3.4  | 30        |
| 45 | cAMP and Ca <sup>2+</sup> signaling in secretory epithelia: Crosstalk and synergism. Cell Calcium, 2014, 55, 385-393.   | 2.4  | 69        |
| 46 | The TRPCsâ€“STIM1â€“Orai Interaction. Handbook of Experimental Pharmacology, 2014, 223, 1035-1054.  | 1.8  | 39        |
| 47 | Mechanism and synergism in epithelial fluid and electrolyte secretion. Pflügers Archiv European Journal of Physiology, 2014, 466, 1487-1499.  | 2.8  | 52        |
| 48 | SLC26A6 and NaDC-1 Transporters Interact to Regulate Oxalate and Citrate Homeostasis. Journal of the American Society of Nephrology: JASN, 2013, 24, 1617-1626.   | 6.1  | 58        |
| 49 | Irbt Mediates Synergy Between Ca <sup>2+</sup> and cAMP Signaling Pathways During Epithelial Transport in Mice. Gastroenterology, 2013, 145, 232-241.   | 1.3  | 81        |
| 50 | Convergence of IRBIT, phosphatidylinositol (4,5) bisphosphate, and WNK/SPAK kinases in regulation of the Na <sup>+</sup> -HCO <sub>3</sub> <sup>-</sup> cotransporters family. Proceedings of the National Academy of Sciences of the United States of America, 2013, 110, 4105-4110. | 7.1  | 69        |
| 51 | The STIM1 CTID domain determines access of SARAF to SOAR to regulate Orai1 channel function. Journal of Cell Biology, 2013, 202, 71-79.   | 5.2  | 110       |
| 52 | Molecular Determinants of TRPC Channels Gating by STIM1. FASEB Journal, 2013, 27, 729.8.  | 0.5  | 0         |
| 53 | The WNK/SPAK and IRBIT/PP1 Pathways in Epithelial Fluid and Electrolyte Transport. Physiology, 2012, 27, 291-299.   | 3.1  | 36        |
| 54 | Solute Carrier Family 26 Member a2 (Slc26a2) Protein Functions as an Electroneutral SO <sub>4</sub> <sup>2-</sup> /OH <sup>-</sup> /Cl <sup>-</sup> Exchanger Regulated by Extracellular Cl <sup>-</sup> . Journal of Biological Chemistry, 2012, 287, 5122-5132.                     | 3.4  | 43        |

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|----|--|------|-----------|
| 55 | Selective $Cl^{-}$ Subunits as Novel Direct Activators of Transient Receptor Potential Canonical (TRPC)4 and TRPC5 Channels. <i>Journal of Biological Chemistry</i> , 2012, 287, 17029-17039.  | 3.4  | 85        |
| 56 | Membrane Potential Regulates Nicotinic Acid Adenine Dinucleotide Phosphate (NAADP) Dependence of the pH- and $Ca^{2+}$ -sensitive Organellar Two-pore Channel TPC1. <i>Journal of Biological Chemistry</i> , 2012, 287, 20407-20416. | 3.4  | 71        |
| 57 | The intracellular $Ca^{2+}$ channels of membrane traffic. <i>Channels</i> , 2012, 6, 344-351.  | 2.8  | 24        |
| 58 | Molecular Mechanism of Pancreatic and Salivary Gland Fluid and $HCO_3^{-}$ Secretion. <i>Physiological Reviews</i> , 2012, 92, 39-74.  | 28.8 | 323       |
| 59 | A Role for the $Ca^{2+}$ Channel TRPML1 in Gastric Acid Secretion, Based on Analysis of Knockout Mice. <i>Gastroenterology</i> , 2011, 140, 857-867.e1.  | 1.3  | 54        |
| 60 | Genetic and Pharmacologic Inhibition of the $Ca^{2+}$ Influx Channel TRPC3 Protects Secretory Epithelia From $Ca^{2+}$ -Dependent Toxicity. <i>Gastroenterology</i> , 2011, 140, 2107-2115.e4.                                       | 1.3  | 94        |
| 61 | Polarized but Differential Localization and Recruitment of STIM1, Orai1 and TRPC Channels in Secretory Cells. <i>Traffic</i> , 2011, 12, 232-245.  | 2.7  | 116       |
| 62 | TRPML: Transporters of metals in lysosomes essential for cell survival?. <i>Cell Calcium</i> , 2011, 50, 288-294.  | 2.4  | 59        |
| 63 | IRBIT: It Is Everywhere. <i>Neurochemical Research</i> , 2011, 36, 1166-1174.  | 3.3  | 29        |
| 64 | Determinants of coupled transport and uncoupled current by the electrogenic SLC26 transporters. <i>Journal of General Physiology</i> , 2011, 137, 239-251.   | 1.9  | 53        |
| 65 | Transient Receptor Potential Mucolipin 1 (TRPML1) and Two-pore Channels Are Functionally Independent Organellar Ion Channels. <i>Journal of Biological Chemistry</i> , 2011, 286, 22934-22942.                                       | 3.4  | 91        |
| 66 | IRBIT governs epithelial secretion in mice by antagonizing the WNK/SPAK kinase pathway. <i>Journal of Clinical Investigation</i> , 2011, 121, 956-965.   | 8.2  | 92        |
| 67 | Aberrant $Ca^{2+}$ handling in lysosomal storage disorders. <i>Cell Calcium</i> , 2010, 47, 103-111.   | 2.4  | 46        |
| 68 | An endoplasmic reticulum/plasma membrane junction: STIM1/Orai1/TRPCs. <i>FEBS Letters</i> , 2010, 584, 2022-2027.  | 2.8  | 125       |
| 69 | STIM1-dependent and STIM1-independent Function of Transient Receptor Potential Canonical (TRPC) Channels Tunes Their Store-operated Mode. <i>Journal of Biological Chemistry</i> , 2010, 285, 38666-38673.                           | 3.4  | 75        |
| 70 | Properties of the TRPML3 Channel Pore and Its Stable Expansion by the Varitint-Waddler-causing Mutation. <i>Journal of Biological Chemistry</i> , 2010, 285, 16513-16520.  | 3.4  | 22        |
| 71 | Corticosteroids Correct Aberrant CFTR Localization in the Duct and Regenerate Acinar Cells in Autoimmune Pancreatitis. <i>Gastroenterology</i> , 2010, 138, 1988-1996.e3.  | 1.3  | 98        |
| 72 | IRBIT regulates the WNK/SPAK pathway. <i>FASEB Journal</i> , 2010, 24, 1002.19.  | 0.5  | 0         |

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|----|--|------|-----------|
| 73 | Native Store-operated Ca <sup>2+</sup> Influx Requires the Channel Function of Orai1 and TRPC1. <i>Journal of Biological Chemistry</i> , 2009, 284, 9733-9741.   | 3.4  | 139       |
| 74 | Molecular determinants of fast Ca <sup>2+</sup> -dependent inactivation and gating of the Orai channels. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , 2009, 106, 14687-14692.  | 7.1  | 129       |
| 75 | Diverse transport modes by the solute carrier 26 family of anion transporters. <i>Journal of Physiology</i> , 2009, 587, 2179-2185.  | 2.9  | 114       |
| 76 | SOAR and the polybasic STIM1 domains gate and regulate Orai channels. <i>Nature Cell Biology</i> , 2009, 11, 337-343.  | 10.3 | 594       |
| 77 | The Ca <sup>2+</sup> Channel TRPML3 Regulates Membrane Trafficking and Autophagy. <i>Traffic</i> , 2009, 10, 1157-1167.  | 2.7  | 152       |
| 78 | Deletion of TRPC3 in Mice Reduces Store-Operated Ca <sup>2+</sup> Influx and the Severity of Acute Pancreatitis. <i>Gastroenterology</i> , 2009, 137, 1509-1517.   | 1.3  | 129       |
| 79 | IRBIT coordinates epithelial fluid and HCO <sub>3</sub> <sup>-</sup> secretion by stimulating the transporters pNBC1 and CFTR in the murine pancreatic duct. <i>Journal of Clinical Investigation</i> , 2009, 119, 193-202.  | 8.2  | 113       |
| 80 | A novel mode of TRPML3 regulation by extracytosolic pH absent in the varitint-waddler phenotype. <i>EMBO Journal</i> , 2008, 27, 1197-1205.  | 7.8  | 92        |
| 81 | The Slc26a4 transporter functions as an electroneutral Cl <sup>-</sup> /I <sup>-</sup> /HCO <sub>3</sub> <sup>-</sup> exchanger: role of Slc26a4 and Slc26a6 in I <sup>-</sup> and HCO <sub>3</sub> <sup>-</sup> secretion and in regulation of CFTR in the parotid duct. <i>Journal of Physiology</i> , 2008, 586, 3813-3824. | 2.9  | 130       |
| 82 | STIM1 Gates TRPC Channels, but Not Orai1, by Electrostatic Interaction. <i>Molecular Cell</i> , 2008, 32, 439-448.   | 9.7  | 287       |
| 83 | The Solute Carrier 26 Family of Proteins in Epithelial Ion Transport. <i>Physiology</i> , 2008, 23, 104-114.   | 3.1  | 166       |
| 84 | Regulatory Interaction between CFTR and the SLC26 Transporters. <i>Novartis Foundation Symposium</i> , 2008, , 177-192.  | 1.1  | 52        |
| 85 | Gain-of-function Mutation in TRPML3 Causes the Mouse Varitint-Waddler Phenotype. <i>Journal of Biological Chemistry</i> , 2007, 282, 36138-36142.  | 3.4  | 102       |
| 86 | TRPpathies. <i>Journal of Physiology</i> , 2007, 578, 641-653.   | 2.9  | 57        |
| 87 | SLC26A9 is a Cl <sup>-</sup> channel regulated by the WNK kinases. <i>Journal of Physiology</i> , 2007, 584, 333-345.  | 2.9  | 116       |
| 88 | STIM1 heteromultimerizes TRPC channels to determine their function as store-operated channels. <i>Nature Cell Biology</i> , 2007, 9, 636-645.  | 10.3 | 453       |
| 89 | TRPC channels as STIM1-regulated store-operated channels. <i>Cell Calcium</i> , 2007, 42, 205-211.   | 2.4  | 207       |
| 90 | Homer proteins in Ca <sup>2+</sup> signaling by excitable and non-excitable cells. <i>Cell Calcium</i> , 2007, 42, 363-371.  | 2.4  | 121       |

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|-----|---|------|-----------|
| 91  | Calcium Signaling: Pyruvate and CRAC Meet at the Crossroads. <i>Current Biology</i> , 2007, 17, R549-R551.  | 3.9  | 4         |
| 92  | When EGF is offside, magnesium is wasted. <i>Journal of Clinical Investigation</i> , 2007, 117, 2086-2089.  | 8.2  | 48        |
| 93  | STIM1 carboxyl-terminus activates native SOC, Icrac and TRPC1 channels. <i>Nature Cell Biology</i> , 2006, 8, 1003-1010.  | 10.3 | 583       |
| 94  | Slc26a6 regulates CFTR activity in vivo to determine pancreatic duct HCO <sub>3</sub> <sup>-</sup> secretion: relevance to cystic fibrosis. <i>EMBO Journal</i> , 2006, 25, 5049-5057.  | 7.8  | 141       |
| 95  | Calcium signaling complexes in microdomains of polarized secretory cells. <i>Cell Calcium</i> , 2006, 40, 451-459.  | 2.4  | 58        |
| 96  | Coupling Modes and Stoichiometry of Cl <sup>-</sup> /HCO <sub>3</sub> <sup>-</sup> Exchange by slc26a3 and slc26a6. <i>Journal of General Physiology</i> , 2006, 127, 511-524.  | 1.9  | 165       |
| 97  | TRP-ML1 Regulates Lysosomal pH and Acidic Lysosomal Lipid Hydrolytic Activity. <i>Journal of Biological Chemistry</i> , 2006, 281, 7294-7301.   | 3.4  | 200       |
| 98  | Homer 1 Mediates Store- and Inositol 1,4,5-Trisphosphate Receptor-dependent Translocation and Retrieval of TRPC3 to the Plasma Membrane. <i>Journal of Biological Chemistry</i> , 2006, 281, 32540-32549.   | 3.4  | 108       |
| 99  | Regulatory interaction between CFTR and the SLC26 transporters. <i>Novartis Foundation Symposium</i> , 2006, 273, 177-86; discussion 186-92, 261-4.   | 1.1  | 31        |
| 100 | TRP-ML1 Is a Lysosomal Monovalent Cation Channel That Undergoes Proteolytic Cleavage. <i>Journal of Biological Chemistry</i> , 2005, 280, 43218-43223.  | 3.4  | 134       |
| 101 | SLC26A7 Is a Cl <sup>-</sup> Channel Regulated by Intracellular pH. <i>Journal of Biological Chemistry</i> , 2005, 280, 6463-6470.  | 3.4  | 106       |
| 102 | Decoding Ca <sup>2+</sup> signals. <i>Journal of Cell Biology</i> , 2005, 170, 173-175.   | 5.2  | 6         |
| 103 | Dynamic Control of Cystic Fibrosis Transmembrane Conductance Regulator Cl <sup>-</sup> /HCO <sub>3</sub> <sup>-</sup> Selectivity by External Cl <sup>-</sup> . <i>Journal of Biological Chemistry</i> , 2004, 279, 21857-21865.  | 3.4  | 91        |
| 104 | Functional Mapping of Ca <sup>2+</sup> Signaling Complexes in Plasma Membrane Microdomains of Polarized Cells. <i>Journal of Biological Chemistry</i> , 2004, 279, 27837-27840.   | 3.4  | 37        |
| 105 | Gating of CFTR by the STAS domain of SLC26 transporters. <i>Nature Cell Biology</i> , 2004, 6, 343-350.   | 10.3 | 431       |
| 106 | Signalling specificity in GPCR-dependent Ca <sup>2+</sup> signalling. <i>Cellular Signalling</i> , 2003, 15, 243-253.   | 3.6  | 100       |
| 107 | Homer Binds TRPC Family Channels and Is Required for Gating of TRPC1 by IP <sub>3</sub> Receptors. <i>Cell</i> , 2003, 114, 777-789.  | 28.9 | 473       |
| 108 | The Cystic Fibrosis Transmembrane Conductance Regulator Interacts with and Regulates the Activity of the HCO <sub>3</sub> <sup>-</sup> Salvage Transporter Human Na <sup>+</sup> -HCO <sub>3</sub> <sup>-</sup> Cotransport Isoform 3. <i>Journal of Biological Chemistry</i> , 2002, 277, 50503-50509. | 3.4  | 87        |

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|-----|--|------|-----------|
| 109 | Transporter-mediated bile acid uptake causes Ca <sup>2+</sup> -dependent cell death in rat pancreatic acinar cells. <i>Gastroenterology</i> , 2002, 122, 1941-1953.  | 1.3  | 156       |
| 110 | A molecular mechanism for aberrant CFTR-dependent HCO <sub>3</sub> <sup>-</sup> transport in cystic fibrosis. <i>EMBO Journal</i> , 2002, 21, 5662-5672.   | 7.8  | 287       |
| 111 | Aberrant CFTR-dependent HCO <sub>3</sub> <sup>-</sup> transport in mutations associated with cystic fibrosis. <i>Nature</i> , 2001, 410, 94-97.  | 27.8 | 362       |
| 112 | HCO <sub>3</sub> <sup>-</sup> Salvage Mechanisms in the Submandibular Gland Acinar and Duct Cells. <i>Journal of Biological Chemistry</i> , 2001, 276, 9808-9816.  | 3.4  | 76        |
| 113 | Polarized Expression of G Protein-coupled Receptors and an All-or-None Discharge of Ca <sup>2+</sup> Pools at Initiation Sites of [Ca <sup>2+</sup> ] Waves in Polarized Exocrine Cells. <i>Journal of Biological Chemistry</i> , 2001, 276, 44146-44156.    | 3.4  | 56        |
| 114 | Regulatory Interaction between the Cystic Fibrosis Transmembrane Conductance Regulator and HCO <sub>3</sub> <sup>-</sup> Salvage Mechanisms in Model Systems and the Mouse Pancreatic Duct. <i>Journal of Biological Chemistry</i> , 2001, 276, 17236-17243. | 3.4  | 100       |
| 115 | Receptor-specific Ca <sup>2+</sup> signaling in polarized cells. <i>Journal of Korean Medical Science</i> , 2000, 15, S46.   | 2.5  | 0         |
| 116 | Na <sup>+</sup> -dependent transporters mediate HCO <sub>3</sub> <sup>-</sup> salvage across the luminal membrane of the main pancreatic duct. <i>Journal of Clinical Investigation</i> , 2000, 105, 1651-1658.  | 8.2  | 63        |
| 117 | Multiple functional P2X and P2Y receptors in the luminal and basolateral membranes of pancreatic duct cells. <i>American Journal of Physiology - Cell Physiology</i> , 1999, 277, C205-C215.   | 4.6  | 70        |
| 118 | RGS Proteins Determine Signaling Specificity of Gq-coupled Receptors. <i>Journal of Biological Chemistry</i> , 1999, 274, 3549-3556.   | 3.4  | 241       |
| 119 | Functional interaction between InsP3 receptors and store-operated Htrp3 channels. <i>Nature</i> , 1998, 396, 478-482.  | 27.8 | 605       |
| 120 | Membrane-limited expression and regulation of Na <sup>+</sup> -H <sup>+</sup> -exchanger isoforms by P2 receptors in the rat submandibular gland duct. <i>Journal of Physiology</i> , 1998, 513, 341-357.  | 2.9  | 68        |
| 121 | The N-terminal Domain of RGS4 Confers Receptor-selective Inhibition of G Protein Signaling. <i>Journal of Biological Chemistry</i> , 1998, 273, 34687-34690.   | 3.4  | 222       |
| 122 | Polarized Expression of Ca <sup>2+</sup> Pumps in Pancreatic and Salivary Gland Cells. <i>Journal of Biological Chemistry</i> , 1997, 272, 15771-15776.  | 3.4  | 173       |
| 123 | Polarized Expression of Ca <sup>2+</sup> Channels in Pancreatic and Salivary Gland Cells. <i>Journal of Biological Chemistry</i> , 1997, 272, 15765-15770.   | 3.4  | 259       |
| 124 | Na <sup>+</sup> , K <sup>+</sup> , and H <sup>+</sup> /HCO <sub>3</sub> <sup>-</sup> Transport in Submandibular Salivary Ducts. <i>Journal of Biological Chemistry</i> , 1995, 270, 19599-19605.   | 3.4  | 61        |
| 125 | Dissociation between parathyroid hormone-stimulated cAMP and calcium increase in UMR-106-01 cells. <i>Journal of Cellular Physiology</i> , 1992, 152, 520-528.   | 4.1  | 12        |