# Michael B Butterworth

List of Publications by Year
in descending order



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|---|---|---|---|
| 42 papers | 1,700 citations | 331670 21 h-index | 345221 36 g-index |
| 42 all docs | 42 docs citations | 42 times ranked | 1646 citing authors |

| # | Article | IF | Citations |
|---|---|---|---|
| 1 | Acute ENaC Stimulation by cAMP in a Kidney Cell Line is Mediated by Exocytic Insertion from a Recycling Channel Pool. Journal of General Physiology, 2005, 125, 81-101. | 1.9 | 152 |
| 2 | Regulation of the epithelial sodium channel (ENaC) by membrane trafficking. Biochimica Et Biophysica Acta - Molecular Basis of Disease, 2010, 1802, 1166-1177. | 3.8 | 125 |
| 3 | Rab11b Regulates the Apical Recycling of the Cystic Fibrosis Transmembrane Conductance Regulator in Polarized Intestinal Epithelial Cells. Molecular Biology of the Cell, 2009, 20, 2337-2350. | 2.1 | 114 |
| 4 | Regulation of the epithelial sodium channel by membrane trafficking. American Journal of Physiology - Renal Physiology, 2009, 296, F10-F24. | 2.7 | 110 |
| 5 | The Deubiquitinating Enzyme UCH-L3 Regulates the Apical Membrane Recycling of the Epithelial Sodium Channel. Journal of Biological Chemistry, 2007, 282, 37885-37893. | 3.4 | 104 |
| 6 | Clathrin-mediated Endocytosis of the Epithelial Sodium Channel. Journal of Biological Chemistry, 2006, 281, 14129-14135. | 3.4 | 103 |
| 7 | Airway Surface Liquid Volume Regulates ENaC by Altering the Serine Protease-Protease Inhibitor Balance. Journal of Biological Chemistry, 2006, 281, 27942-27949. | 3.4 | 99 |
| 8 | Rab11b regulates the trafficking and recycling of the epithelial sodium channel (ENaC). American Journal of Physiology - Renal Physiology, 2012, 302, F581-F590. | 2.7 | 76 |
| 9 | Acute Regulation of the Epithelial Sodium Channel in Airway Epithelia by Proteases and Trafficking. American Journal of Respiratory Cell and Molecular Biology, 2010, 43, 712-719. | 2.9 | 73 |
| 10 | 14-3-3 Isoforms Are Induced by Aldosterone and Participate in Its Regulation of Epithelial Sodium Channels. Journal of Biological Chemistry, 2006, 281, 16323-16332. | 3.4 | 67 |
| 11 | The Epithelial Sodium Channel (ENaC) Traffics to Apical Membrane in Lipid Rafts in Mouse Cortical Collecting Duct Cells. Journal of Biological Chemistry, 2007, 282, 37402-37411. | 3.4 | 65 |
| 12 | Activation of the Epithelial Sodium Channel (ENaC) by the Alkaline Protease from Pseudomonas aeruginosa. Journal of Biological Chemistry, 2012, 287, 32556-32565. | 3.4 | 58 |
| 13 | Alternatively spliced proline-rich cassettes link WNK1 to aldosterone action. Journal of Clinical Investigation, 2015, 125, 3433-3448. | 8.2 | 58 |
| 14 | An Obligatory Heterodimer of 14-3-3Î² and 14-3-3Ïµ Is Required for Aldosterone Regulation of the Epithelial Sodium Channel. Journal of Biological Chemistry, 2008, 283, 27418-27425. | 3.4 | 56 |
| 15 | AS160 Modulates Aldosterone-stimulated Epithelial Sodium Channel Forward Trafficking. Molecular Biology of the Cell, 2010, 21, 2024-2033. | 2.1 | 50 |
| 16 | cAMP-sensitive endocytic trafficking in A6 epithelia. American Journal of Physiology - Cell Physiology, 2001, 280, C752-C762. | 4.6 | 49 |
| 17 | Regulation of Epithelial Na+ Transport by Soluble Adenylyl Cyclase in Kidney Collecting Duct Cells. Journal of Biological Chemistry, 2009, 284, 5774-5783. | 3.4 | 47 |
| 18 | Aldosterone Regulates MicroRNAs in the Cortical Collecting Duct to Alter Sodium Transport. Journal of the American Society of Nephrology: JASN, 2014, 25, 2445-2457. | 6.1 | 42 |

| # | Article | IF | Citations |
|---|---|---|---|
| 19 | Ankyrin G Expression Regulates Apical Delivery of the Epithelial Sodium Channel (ENaC). Journal of Biological Chemistry, 2017, 292, 375-385. | 3.4 | 34 |
| 20 | Modulation of the Epithelial Sodium Channel (ENaC) by Bacterial Metalloproteases and Protease Inhibitors. PLoS ONE, 2014, 9, e100313. | 2.5 | 26 |
| 21 | Anterograde Trafficking of KCa3.1 in Polarized Epithelia Is Rab1- and Rab8-Dependent and Recycling Endosome-Independent. PLoS ONE, 2014, 9, e92013. | 2.5 | 23 |
| 22 | A MicroRNA Cluster miRâ€23â€“24â€“27 Is Upregulated by Aldosterone in the Distal Kidney Nephron Where it Alters Sodium Transport. Journal of Cellular Physiology, 2017, 232, 1306-1317. | 4.1 | 22 |
| 23 | The Epithelial Sodium Channel (ENaC) Establishes a Trafficking Vesicle Pool Responsible for Its Regulation. PLoS ONE, 2012, 7, e46593. | 2.5 | 22 |
| 24 | Some Assembly Required: Putting the Epithelial Sodium Channel Together. Journal of Biological Chemistry, 2008, 283, 35305-35309. | 3.4 | 18 |
| 25 | MicroRNAs and the regulation of aldosterone signaling in the kidney. American Journal of Physiology - Cell Physiology, 2015, 308, C521-C527. | 4.6 | 17 |
| 26 | Specific Palmitoyltransferases Associate with and Activate the Epithelial Sodium Channel. Journal of Biological Chemistry, 2017, 292, 4152-4163. | 3.4 | 17 |
| 27 | Role of microRNAs in aldosterone signaling. Current Opinion in Nephrology and Hypertension, 2018, 27, 390-394. | 2.0 | 16 |
| 28 | Expression of a Diverse Array of Ca2+-Activated K+ Channels (SK1/3, IK1, BK) that Functionally Couple to the Mechanosensitive TRPV4 Channel in the Collecting Duct System of Kidney. PLoS ONE, 2016, 11, e0155006. | 2.5 | 12 |
| 29 | Loss ofmiR-17~92results in dysregulation ofCftrin nephron progenitors. American Journal of Physiology - Renal Physiology, 2019, 316, F993-F1005. | 2.7 | 10 |
| 30 | Regulation of Aldosterone Signaling by MicroRNAs. Vitamins and Hormones, 2019, 109, 69-103. | 1.7 | 9 |
| 31 | Cytochemical localization of adenylate cyclase in cultured renal epithelial (A6) cells. Microscopy Research and Technique, 1998, 40, 455-462. | 2.2 | 8 |
| 32 | Non-coding RNAs and the mineralocorticoid receptor in the kidney. Molecular and Cellular Endocrinology, 2021, 521, 111115. | 3.2 | 7 |
| 33 | The Lhx1-Ldb1 complex interacts with Furry to regulate microRNA expression during pronephric kidney development. Scientific Reports, 2018, 8, 16029. | 3.3 | 6 |
| 34 | USP10: the nexus between nexin and vasopressin. American Journal of Physiology - Renal Physiology, 2008, 295, F888-F888. | 2.7 | 2 |
| 35 | Histone deacetylase inhibitors (HDACi) increase expression of KCa2.3 (SK3) in primary microvascular endothelial cells. American Journal of Physiology - Cell Physiology, 2022, 322, C338-C353. | 4.6 | 2 |
| 36 | Basolateral trafficking of KCa3.1 in a polarized epithelium. FASEB Journal, 2011, 25, 860.13. | 0.5 | 1 |

| # | Article | IF | Citations |
|---|---|---|---|
| 37 | The tale of two (distal nephron) cell types. American Journal of Physiology - Renal Physiology, 2018, 314, F930-F931. | 2.7 | 0 |
| 38 | Lipid rafts mediate constitutive apical delivery of the epithelial sodium channel (ENaC). FASEB Journal, 2007, 21, A954. | 0.5 | 0 |
| 39 | The Rabâ€GAP, AS160, participates in the regulation of apical membrane epithelial sodium channel (ENaC) density and recycling. FASEB Journal, 2010, 24, 1024.1. | 0.5 | 0 |
| 40 | Myosin 5 is involved in cAMPâ€induced ENaC trafficking in a mCCD cell line. FASEB Journal, 2011, 25, 1041.40. | 0.5 | 0 |
| 41 | Active ENaC channels are selectively recycled. FASEB Journal, 2013, 27, 911.10. | 0.5 | 0 |
| 42 | MicroRNA Regulation of Channels and Transporters. Physiology in Health and Disease, 2020, , 543-563. | 0.3 | 0 |