

C Chris Yun

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75
papers

3,166
citations

33
h-index

55
g-index

94
ext. papers

3,435
ext. citations

5.6
avg, IF

4.89
L-index

| # | Paper | IF | Citations |
|----|--|------|-----------|
| 75 | Differential roles of NHERF1, NHERF2, and PDZK1 in regulating CFTR-mediated intestinal anion secretion in mice. <i>Journal of Clinical Investigation</i> , 2009 , 119, 540-50 | 15.9 | 278 |
| 74 | Na(+)/H(+) exchanger regulatory factor 2 directs parathyroid hormone 1 receptor signalling. <i>Nature</i> , 2002 , 417, 858-61 | 50.4 | 261 |
| 73 | Glucocorticoid activation of Na(+)/H(+) exchanger isoform 3 revisited. The roles of SGK1 and NHERF2. <i>Journal of Biological Chemistry</i> , 2002 , 277, 7676-83 | 5.4 | 146 |
| 72 | The serum and glucocorticoid-inducible kinase SGK1 and the Na+/H+ exchange regulating factor NHERF2 synergize to stimulate the renal outer medullary K+ channel ROMK1. <i>Journal of the American Society of Nephrology: JASN</i> , 2002 , 13, 2823-30 | 12.7 | 112 |
| 71 | Structure/function studies of the epithelial isoforms of the mammalian Na+/H+ exchanger gene family. <i>Journal of Membrane Biology</i> , 1993 , 135, 93-108 | 2.3 | 112 |
| 70 | The absence of LPA2 attenuates tumor formation in an experimental model of colitis-associated cancer. <i>Gastroenterology</i> , 2009 , 136, 1711-20 | 13.3 | 105 |
| 69 | LPA2 receptor mediates mitogenic signals in human colon cancer cells. <i>American Journal of Physiology - Cell Physiology</i> , 2005 , 289, C2-11 | 5.4 | 103 |
| 68 | Evidence for ezrin-radixin-moesin-binding phosphoprotein 50 (EBP50) self-association through PDZ-PDZ interactions. <i>Journal of Biological Chemistry</i> , 2000 , 275, 25039-45 | 5.4 | 99 |
| 67 | Development of a unique small molecule modulator of CXCR4. <i>PLoS ONE</i> , 2012 , 7, e34038 | 3.7 | 90 |
| 66 | P2Y1 receptor signaling is controlled by interaction with the PDZ scaffold NHERF-2. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , 2005 , 102, 8042-7 | 11.5 | 86 |
| 65 | The down regulated in adenoma (dra) gene product binds to the second PDZ domain of the NHE3 kinase A regulatory protein (E3KARP), potentially linking intestinal Cl-/HCO3- exchange to Na+/H+ exchange. <i>Biochemistry</i> , 2002 , 41, 12336-42 | 3.2 | 86 |
| 64 | Lysophosphatidic acid stimulates the intestinal brush border Na(+)/H(+) exchanger 3 and fluid absorption via LPA(5) and NHERF2. <i>Gastroenterology</i> , 2010 , 138, 649-58 | 13.3 | 84 |
| 63 | cGMP inhibition of Na+/H+ antiporter 3 (NHE3) requires PDZ domain adapter NHERF2, a broad specificity protein kinase G-anchoring protein. <i>Journal of Biological Chemistry</i> , 2005 , 280, 16642-50 | 5.4 | 80 |
| 62 | Regulation of the epithelial Ca2+ channel TRPV5 by the NHE regulating factor NHERF2 and the serum and glucocorticoid inducible kinase isoforms SGK1 and SGK3 expressed in <i>Xenopus</i> oocytes. <i>Cellular Physiology and Biochemistry</i> , 2004 , 14, 203-12 | 3.9 | 69 |
| 61 | The NHE3 juxtamembrane cytoplasmic domain directly binds ezrin: dual role in NHE3 trafficking and mobility in the brush border. <i>Molecular Biology of the Cell</i> , 2006 , 17, 2661-73 | 3.5 | 67 |
| 60 | Lysophosphatidic acid facilitates proliferation of colon cancer cells via induction of Kröppel-like factor 5. <i>Journal of Biological Chemistry</i> , 2007 , 282, 15541-9 | 5.4 | 64 |
| 59 | Activation of NHE3 by dexamethasone requires phosphorylation of NHE3 at Ser663 by SGK1. <i>American Journal of Physiology - Cell Physiology</i> , 2005 , 289, C802-10 | 5.4 | 64 |

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|----|---|------|----|
| 58 | Concerted roles of SGK1 and the Na ⁺ /H ⁺ exchanger regulatory factor 2 (NHERF2) in regulation of NHE3. <i>Cellular Physiology and Biochemistry</i> , 2003 , 13, 29-40 | 3.9 | 61 |
| 57 | Mechanisms of the regulation of the intestinal Na ⁺ /H ⁺ exchanger NHE3. <i>Journal of Biomedicine and Biotechnology</i> , 2010 , 2010, 238080 | | 58 |
| 56 | Activation of Na ⁺ /H ⁺ exchanger NHE3 by angiotensin II is mediated by inositol 1,4,5-triphosphate (IP3) receptor-binding protein released with IP3 (IRBIT) and Ca ²⁺ /calmodulin-dependent protein kinase II. <i>Journal of Biological Chemistry</i> , 2010 , 285, 27869-78 | 5.4 | 57 |
| 55 | Regulation of hypoxia-inducible factor 1 (HIF-1) by lysophosphatidic acid is dependent on interplay between p53 and Krüppel-like factor 5. <i>Journal of Biological Chemistry</i> , 2013 , 288, 25244-25253 | 5.4 | 55 |
| 54 | Acute activation of NHE3 by dexamethasone correlates with activation of SGK1 and requires a functional glucocorticoid receptor. <i>American Journal of Physiology - Cell Physiology</i> , 2007 , 292, C396-404 | 5.4 | 52 |
| 53 | Molecular requirements for the regulation of the renal outer medullary K(+) channel ROMK1 by the serum- and glucocorticoid-inducible kinase SGK1. <i>Biochemical and Biophysical Research Communications</i> , 2003 , 311, 629-34 | 3.4 | 52 |
| 52 | MAGI-3 competes with NHERF-2 to negatively regulate LPA2 receptor signaling in colon cancer cells. <i>Gastroenterology</i> , 2011 , 140, 924-34 | 13.3 | 48 |
| 51 | MAGI-3 regulates LPA-induced activation of Erk and RhoA. <i>Cellular Signalling</i> , 2007 , 19, 261-8 | 4.9 | 47 |
| 50 | IRBIT, inositol 1,4,5-triphosphate (IP3) receptor-binding protein released with IP3, binds Na ⁺ /H ⁺ exchanger NHE3 and activates NHE3 activity in response to calcium. <i>Journal of Biological Chemistry</i> , 2008 , 283, 33544-53 | 5.4 | 46 |
| 49 | Serum- and glucocorticoid-induced kinase 3 in recycling endosomes mediates acute activation of Na ⁺ /H ⁺ exchanger NHE3 by glucocorticoids. <i>Molecular Biology of the Cell</i> , 2011 , 22, 3812-25 | 3.5 | 43 |
| 48 | The PDZ scaffold NHERF-2 interacts with mGluR5 and regulates receptor activity. <i>Journal of Biological Chemistry</i> , 2006 , 281, 29949-61 | 5.4 | 43 |
| 47 | Distinct phospholipase C-isozymes mediate lysophosphatidic acid receptor 1 effects on intestinal epithelial homeostasis and wound closure. <i>Molecular and Cellular Biology</i> , 2013 , 33, 2016-28 | 4.8 | 37 |
| 46 | The absence of LPA receptor 2 reduces the tumorigenesis by ApcMin mutation in the intestine. <i>American Journal of Physiology - Renal Physiology</i> , 2010 , 299, G1128-38 | 5.1 | 37 |
| 45 | Molecular Properties, Kinetics and Regulation of Mammalian Na ⁺ /H ⁺ Exchangers. <i>Cellular Physiology and Biochemistry</i> , 1994 , 4, 282-300 | 3.9 | 36 |
| 44 | Lysophosphatidic acid 5 receptor induces activation of Na(+)/H(+) exchanger 3 via apical epidermal growth factor receptor in intestinal epithelial cells. <i>American Journal of Physiology - Cell Physiology</i> , 2011 , 301, C1008-16 | 5.4 | 35 |
| 43 | Colorectal cancer cells - Proliferation, survival and invasion by lysophosphatidic acid. <i>International Journal of Biochemistry and Cell Biology</i> , 2010 , 42, 1907-10 | 5.6 | 34 |
| 42 | Na ⁺ -H ⁺ exchanger regulatory factor 1 is a PDZ scaffold for the astroglial glutamate transporter GLAST. <i>Glia</i> , 2007 , 55, 119-29 | 9 | 33 |
| 41 | Loss of PDZ-adaptor protein NHERF2 affects membrane localization and cGMP- and [Ca ²⁺]- but not cAMP-dependent regulation of Na ⁺ /H ⁺ exchanger 3 in murine intestine. <i>Journal of Physiology</i> , 2010 , 588, 5049-63 | 3.9 | 32 |

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| 40 | Protein inhibitor of activated STAT1 interacts with and up-regulates activities of the pro-proliferative transcription factor Kr̄pel-like factor 5. <i>Journal of Biological Chemistry</i> , 2007 , 282, 4782-4793 | 5.4 | 32 |
| 39 | Regulation of expression and function of scavenger receptor class B, type I (SR-BI) by Na ⁺ /H ⁺ exchanger regulatory factors (NHERFs). <i>Journal of Biological Chemistry</i> , 2013 , 288, 11416-35 | 5.4 | 30 |
| 38 | Lysophosphatidic acid prevents apoptosis of Caco-2 colon cancer cells via activation of mitogen-activated protein kinase and phosphorylation of Bad. <i>Biochimica Et Biophysica Acta - General Subjects</i> , 2007 , 1770, 1194-203 | 4 | 29 |
| 37 | Human intestinal epithelial cell line SK-CO15 is a new model system to study Na ⁽⁺⁾ /H ⁽⁺⁾ exchanger 3. <i>American Journal of Physiology - Renal Physiology</i> , 2012 , 303, G180-8 | 5.1 | 25 |
| 36 | Kr̄pel-like factor 5 incorporates into the Eatenin/TCF complex in response to LPA in colon cancer cells. <i>Cellular Signalling</i> , 2015 , 27, 961-8 | 4.9 | 23 |
| 35 | Restoration of Na ⁺ /H ⁺ exchanger NHE3-containing macrocomplexes ameliorates diabetes-associated fluid loss. <i>Journal of Clinical Investigation</i> , 2015 , 125, 3519-31 | 15.9 | 23 |
| 34 | Diverse roles of LPA signaling in the intestinal epithelium. <i>Experimental Cell Research</i> , 2015 , 333, 201-207.2 | 4.2 | 18 |
| 33 | Muscarinic-induced recruitment of plasma membrane Ca ²⁺ -ATPase involves PSD-95/Dlg/Zo-1-mediated interactions. <i>Journal of Biological Chemistry</i> , 2009 , 284, 1820-30 | 5.4 | 18 |
| 32 | Regulation of NHE3 by lysophosphatidic acid is mediated by phosphorylation of NHE3 by RSK2. <i>American Journal of Physiology - Cell Physiology</i> , 2015 , 309, C14-21 | 5.4 | 17 |
| 31 | Lysophosphatidic Acid Receptor 1 Is Important for Intestinal Epithelial Barrier Function and Susceptibility to Colitis. <i>American Journal of Pathology</i> , 2018 , 188, 353-366 | 5.8 | 17 |
| 30 | Differential association of the Na ⁺ /H ⁺ Exchanger Regulatory Factor (NHERF) family of adaptor proteins with the raft- and the non-raft brush border membrane fractions of NHE3. <i>Cellular Physiology and Biochemistry</i> , 2013 , 32, 1386-402 | 3.9 | 16 |
| 29 | The electroneutral sodium/bicarbonate cotransporter containing an amino terminal 123-amino-acid cassette is expressed predominantly in the heart. <i>Journal of Biomedical Science</i> , 2006 , 13, 593-5 | 13.3 | 15 |
| 28 | The NHERF1 PDZ1 domain and IRBIT interact and mediate the activation of Na ⁺ /H ⁺ exchanger 3 by ANG II. <i>American Journal of Physiology - Renal Physiology</i> , 2016 , 311, F343-51 | 4.3 | 14 |
| 27 | Lysophosphatidic Acid and Autotaxin-associated Effects on the Initiation and Progression of Colorectal Cancer. <i>Cancers</i> , 2019 , 11, | 6.6 | 13 |
| 26 | Coexpression of MAST205 inhibits the activity of Na ⁺ /H ⁺ exchanger NHE3. <i>American Journal of Physiology - Renal Physiology</i> , 2006 , 290, F428-37 | 4.3 | 13 |
| 25 | Impaired intestinal NHE3 activity in the PDK1 hypomorphic mouse. <i>American Journal of Physiology - Renal Physiology</i> , 2006 , 291, G868-76 | 5.1 | 13 |
| 24 | Autotaxin determines colitis severity in mice and is secreted by B cells in the colon. <i>FASEB Journal</i> , 2019 , 33, 3623-3635 | 0.9 | 13 |
| 23 | Development of CXCR4 modulators by virtual HTS of a novel amide-sulfamide compound library. <i>European Journal of Medicinal Chemistry</i> , 2017 , 126, 464-475 | 6.8 | 12 |

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| 22 | HIF1 β Induced by Lysophosphatidic Acid Is Stabilized via Interaction with MIF and CSN5. <i>PLoS ONE</i> , 2015 , 10, e0137513 | 3.7 | 12 |
| 21 | Systematic family-wide analysis of sodium bicarbonate cotransporter NBCn1/SLC4A7 interactions with PDZ scaffold proteins. <i>Physiological Reports</i> , 2014 , 2, e12016 | 2.6 | 12 |
| 20 | Astrocytic and neuronal localization of the scaffold protein Na ⁺ /H ⁺ exchanger regulatory factor 2 (NHERF-2) in mouse brain. <i>Journal of Comparative Neurology</i> , 2006 , 494, 752-62 | 3.4 | 12 |
| 19 | GLAST stability and activity are enhanced by interaction with the PDZ scaffold NHERF-2. <i>Neuroscience Letters</i> , 2011 , 487, 3-7 | 3.3 | 11 |
| 18 | PSD-95 interacts with NBCn1 and enhances channel-like activity without affecting Na/HCO ₃ cotransport. <i>Cellular Physiology and Biochemistry</i> , 2012 , 30, 1444-55 | 3.9 | 11 |
| 17 | Group II metabotropic glutamate receptor interactions with NHERF scaffold proteins: Implications for receptor localization in brain. <i>Neuroscience</i> , 2017 , 353, 58-75 | 3.9 | 9 |
| 16 | Unique regulation of human Na ⁺ /H ⁺ exchanger 3 (NHE3) by Nedd4-2 ligase that differs from non-primate NHE3s. <i>Journal of Biological Chemistry</i> , 2014 , 289, 18360-72 | 5.4 | 9 |
| 15 | Deletion of Na ⁺ /H ⁺ exchanger regulatory factor 2 represses colon cancer progress by suppression of Stat3 and CD24. <i>American Journal of Physiology - Renal Physiology</i> , 2016 , 310, G586-98 | 5.1 | 7 |
| 14 | Hyperglycemia promotes microvillus membrane expression of DMT1 in intestinal epithelial cells in a PKC δ -dependent manner. <i>FASEB Journal</i> , 2019 , 33, 3549-3561 | 0.9 | 7 |
| 13 | Expression of lysophosphatidic acid receptor 5 is necessary for the regulation of intestinal Na/H exchanger 3 by lysophosphatidic acid in vivo. <i>American Journal of Physiology - Renal Physiology</i> , 2018 , 315, G433-G442 | 5.1 | 6 |
| 12 | Inhibition of autotaxin alleviates inflammation and increases the expression of sodium-dependent glucose cotransporter 1 and Na/H exchanger 3 in SAMP1/Fc mice. <i>American Journal of Physiology - Renal Physiology</i> , 2018 , 315, G762-G771 | 5.1 | 5 |
| 11 | Ubiquitin-specific peptidase 7 (USP7) and USP10 mediate deubiquitination of human NHE3 regulating its expression and activity. <i>FASEB Journal</i> , 2020 , 34, 16476-16488 | 0.9 | 4 |
| 10 | Transgenic Expression of Human Lysophosphatidic Acid Receptor LPA2 in Mouse Intestinal Epithelial Cells Induces Intestinal Dysplasia. <i>PLoS ONE</i> , 2016 , 11, e0154527 | 3.7 | 4 |
| 9 | Postnatal developmental expression of the PDZ scaffolds Na ⁺ -H ⁺ exchanger regulatory factors 1 and 2 in the rat cochlea. <i>Cell and Tissue Research</i> , 2006 , 323, 53-70 | 4.2 | 2 |
| 8 | Nedd4-2-dependent Ubiquitination Potentiates the Inhibition of Human NHE3 by Cholera Toxin and Enteropathogenic Escherichia coli. <i>Cellular and Molecular Gastroenterology and Hepatology</i> , 2021 , | 7.9 | 1 |
| 7 | Control of Intestinal Epithelial Permeability by Lysophosphatidic Acid Receptor 5. <i>Cellular and Molecular Gastroenterology and Hepatology</i> , 2021 , 12, 1073-1092 | 7.9 | 1 |
| 6 | Metformin Inhibits Na/H Exchanger NHE3 Resulting in Intestinal Water Loss.. <i>Frontiers in Physiology</i> , 2022 , 13, 867244 | 4.6 | 0 |
| 5 | Role of Lysophosphatidic Acid (LPA) in the Intestine 2013 , 507-527 | | |

- 4 IRBIT Mediates Trafficking and Activation of Na⁺,K⁺-ATPase by Angiotensin II. *FASEB Journal*, **2015**, 29, 969.8 0.9
- 3 The absence of LPA1 results in aberrant intestinal epithelial cell migration. *FASEB Journal*, **2012**, 26, 1158.4 0.9
- 2 Insulin Activates Intestinal NHE3 via IRBIT. *FASEB Journal*, **2012**, 26, 1152.21 0.9
- 1 Activation of intestinal NHE3 by insulin depends on the coordination of IRBIT, NHERF1, and Ezrin. *FASEB Journal*, **2013**, 27, 1210.11 0.9