

# C Chris Yun

## List of Publications by Year in descending order

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76  
papers

3,726  
citations

117571

34  
h-index

128225

60  
g-index

94  
all docs

94  
docs citations

94  
times ranked

3961  
citing authors

#	ARTICLE	IF	CITATIONS
1	Differential roles of NHERF1, NHERF2, and PDZK1 in regulating CFTR-mediated intestinal anion secretion in mice. <i>Journal of Clinical Investigation</i> , 2009, 119, 540-550.	3.9	330
2	Na <sup>+</sup> /H <sup>+</sup> exchanger regulatory factor 2 directs parathyroid hormone 1 receptor signalling. <i>Nature</i> , 2002, 417, 858-861.	13.7	292
3	Glucocorticoid Activation of Na <sup>+</sup> /H <sup>+</sup> Exchanger Isoform 3 Revisited. <i>Journal of Biological Chemistry</i> , 2002, 277, 7676-7683.	1.6	165
4	Structure/function studies of the epithelial isoforms of the mammalian Na <sup>+</sup> /H <sup>+</sup> exchanger gene family. <i>Journal of Membrane Biology</i> , 1993, 135, 93-108.	1.0	138
5	LPA2 receptor mediates mitogenic signals in human colon cancer cells. <i>American Journal of Physiology - Cell Physiology</i> , 2005, 289, C2-C11.	2.1	118
6	The Serum and Glucocorticoid-Inducible Kinase SGK1 and the Na <sup>+</sup> /H <sup>+</sup> Exchange Regulating Factor NHERF2 Synergize to Stimulate the Renal Outer Medullary K <sup>+</sup> Channel ROMK1. <i>Journal of the American Society of Nephrology: JASN</i> , 2002, 13, 2823-2830.	3.0	116
7	The Absence of LPA2 Attenuates Tumor Formation in an Experimental Model of Colitis-Associated Cancer. <i>Gastroenterology</i> , 2009, 136, 1711-1720.	0.6	116
8	Evidence for Ezrin-Radixin-Moesin-binding Phosphoprotein 50 (EBP50) Self-association through PDZ-PDZ Interactions. <i>Journal of Biological Chemistry</i> , 2000, 275, 25039-25045.	1.6	105
9	Lysophosphatidic Acid Stimulates the Intestinal Brush Border Na <sup>+</sup> /H <sup>+</sup> Exchanger 3 and Fluid Absorption via LPA5 and NHERF2. <i>Gastroenterology</i> , 2010, 138, 649-658.	0.6	105
10	Development of a Unique Small Molecule Modulator of CXCR4. <i>PLoS ONE</i> , 2012, 7, e34038.	1.1	104
11	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 <sup>-</sup> /HCO <sub>3</sub> <sup>-</sup> Exchange to Na <sup>+</sup> /H <sup>+</sup> Exchange. <i>Biochemistry</i> , 2002, 41, 12336-12342.	1.2	97
12	cGMP Inhibition of Na <sup>+</sup> /H <sup>+</sup> Antiporter 3 (NHE3) Requires PDZ Domain Adapter NHERF2, a Broad Specificity Protein Kinase G-anchoring Protein. <i>Journal of Biological Chemistry</i> , 2005, 280, 16642-16650.	1.6	89
13	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, 8042-8047.	3.3	88
14	Regulation of the Epithelial Ca <sup>2+</sup> 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, 203-212.	1.1	79
15	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, 2661-2673.	0.9	79
16	Mechanisms of the Regulation of the Intestinal Na <sup>+</sup> /H <sup>+</sup> Exchanger NHE3. <i>Journal of Biomedicine and Biotechnology</i> , 2010, 2010, 1-10.	1.0	76
17	Activation of NHE3 by dexamethasone requires phosphorylation of NHE3 at Ser663 by SGK1. <i>American Journal of Physiology - Cell Physiology</i> , 2005, 289, C802-C810.	2.1	71
18	Lysophosphatidic Acid Facilitates Proliferation of Colon Cancer Cells via Induction of KrÄppel-like Factor 5. <i>Journal of Biological Chemistry</i> , 2007, 282, 15541-15549.	1.6	71

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19	Activation of Na <sup>+</sup> /H <sup>+</sup> Exchanger NHE3 by Angiotensin II Is Mediated by Inositol 1,4,5-Triphosphate (IP3) Receptor-binding Protein Released with IP3 (IRBIT) and Ca <sup>2+</sup> /Calmodulin-dependent Protein Kinase II. <i>Journal of Biological Chemistry</i> , 2010, 285, 27869-27878.	1.6	69
20	Concerted Roles of SGK1 and the Na <sup>+</sup> /H <sup>+</sup> Exchanger Regulatory Factor 2 (NHERF2) in Regulation of NHE3. <i>Cellular Physiology and Biochemistry</i> , 2003, 13, 29-40.	1.1	66
21	MAGI-3 Competes With NHERF-2 to Negatively Regulate LPA2 Receptor Signaling in Colon Cancer Cells. <i>Gastroenterology</i> , 2011, 140, 924-934.	0.6	61
22	Regulation of Hypoxia-inducible Factor 1 $\alpha$ (HIF-1 $\alpha$ ) by Lysophosphatidic Acid Is Dependent on Interplay between p53 and Kr $\Delta$ 1/4ppel-like Factor 5. <i>Journal of Biological Chemistry</i> , 2013, 288, 25244-25253.	1.6	61
23	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-C404.	2.1	60
24	IRBIT, Inositol 1,4,5-Triphosphate (IP3) Receptor-binding Protein Released with IP3, Binds Na <sup>+</sup> /H <sup>+</sup> Exchanger NHE3 and Activates NHE3 Activity in Response to Calcium. <i>Journal of Biological Chemistry</i> , 2008, 283, 33544-33553.	1.6	58
25	Molecular requirements for the regulation of the renal outer medullary K <sup>+</sup> channel ROMK1 by the serum- and glucocorticoid-inducible kinase SGK1. <i>Biochemical and Biophysical Research Communications</i> , 2003, 311, 629-634.	1.0	53
26	MAGI-3 regulates LPA-induced activation of Erk and RhoA. <i>Cellular Signalling</i> , 2007, 19, 261-268.	1.7	53
27	Serum- and glucocorticoid-induced kinase 3 in recycling endosomes mediates acute activation of Na <sup>+</sup> /H <sup>+</sup> exchanger NHE3 by glucocorticoids. <i>Molecular Biology of the Cell</i> , 2011, 22, 3812-3825.	0.9	49
28	Distinct Phospholipase C- $\beta$ Isozymes Mediate Lysophosphatidic Acid Receptor 1 Effects on Intestinal Epithelial Homeostasis and Wound Closure. <i>Molecular and Cellular Biology</i> , 2013, 33, 2016-2028.	1.1	49
29	The absence of LPA receptor 2 reduces the tumorigenesis by <i>Apc</i> <sup>Min</sup> mutation in the intestine. <i>American Journal of Physiology - Renal Physiology</i> , 2010, 299, G1128-G1138.	1.6	48
30	The PDZ Scaffold NHERF-2 Interacts with mGluR5 and Regulates Receptor Activity. <i>Journal of Biological Chemistry</i> , 2006, 281, 29949-29961.	1.6	46
31	Colorectal cancer cells " Proliferation, survival and invasion by lysophosphatidic acid. <i>International Journal of Biochemistry and Cell Biology</i> , 2010, 42, 1907-1910.	1.2	44
32	Na <sup>+</sup> /H <sup>+</sup> exchanger regulatory factor 1 is a PDZ scaffold for the astroglial glutamate transporter GLAST. <i>Glia</i> , 2007, 55, 119-129.	2.5	41
33	Molecular Properties, Kinetics and Regulation of Mammalian Na <sup>+</sup> /H <sup>+</sup> Exchangers. <i>Cellular Physiology and Biochemistry</i> , 1994, 4, 282-300.	1.1	39
34	Lysophosphatidic acid 5 receptor induces activation of Na <sup>+</sup> /H <sup>+</sup> exchanger 3 via apical epidermal growth factor receptor in intestinal epithelial cells. <i>American Journal of Physiology - Cell Physiology</i> , 2011, 301, C1008-C1016.	2.1	38
35	Restoration of Na <sup>+</sup> /H <sup>+</sup> exchanger NHE3-containing macrocomplexes ameliorates diabetes-associated fluid loss. <i>Journal of Clinical Investigation</i> , 2015, 125, 3519-3531.	3.9	36
36	Protein Inhibitor of Activated STAT1 Interacts with and Up-regulates Activities of the Pro-proliferative Transcription Factor Kr $\Delta$ 1/4ppel-like Factor 5. <i>Journal of Biological Chemistry</i> , 2007, 282, 4782-4793.	1.6	34

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37	Loss of PDZ-adaptor protein NHERF2 affects membrane localization and cGMP- and [Ca <sup>2+</sup> ]- but not cAMP-dependent regulation of Na <sup>+</sup> /H <sup>+</sup> -exchanger 3 in murine intestine. <i>Journal of Physiology</i> , 2010, 588, 5049-5063.	1.3	33
38	Regulation of Expression and Function of Scavenger Receptor Class B, Type I (SR-BI) by Na <sup>+</sup> /H <sup>+</sup> -Exchanger Regulatory Factors (NHERFs). <i>Journal of Biological Chemistry</i> , 2013, 288, 11416-11435.	1.6	33
39	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, 1194-1203.	1.1	31
40	Human intestinal epithelial cell line SK-CO15 is a new model system to study Na <sup>+</sup> /H <sup>+</sup> -exchanger 3. <i>American Journal of Physiology - Renal Physiology</i> , 2012, 303, G180-G188.	1.6	30
41	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-C21.	2.1	28
42	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.	1.9	28
43	Autotaxin determines colitis severity in mice and is secreted by B cells in the colon. <i>FASEB Journal</i> , 2019, 33, 3623-3635.	0.2	28
44	KrÄppel-like factor 5 incorporates into the $\beta$ -catenin/TCF complex in response to LPA in colon cancer cells. <i>Cellular Signalling</i> , 2015, 27, 961-968.	1.7	27
45	Diverse roles of LPA signaling in the intestinal epithelium. <i>Experimental Cell Research</i> , 2015, 333, 201-207.	1.2	21
46	Muscarinic-induced Recruitment of Plasma Membrane Ca <sup>2+</sup> -ATPase Involves PSD-95/Dlg/Zo-1-mediated Interactions. <i>Journal of Biological Chemistry</i> , 2009, 284, 1820-1830.	1.6	20
47	The NHERF1 PDZ1 domain and IRBIT interact and mediate the activation of Na <sup>+</sup> /H <sup>+</sup> -exchanger 3 by ANG II. <i>American Journal of Physiology - Renal Physiology</i> , 2016, 311, F343-F351.	1.3	19
48	Lysophosphatidic Acid and Autotaxin-associated Effects on the Initiation and Progression of Colorectal Cancer. <i>Cancers</i> , 2019, 11, 958.	1.7	19
49	Differential Association of the Na <sup>+</sup> /H <sup>+</sup> -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, 1386-1402.	1.1	18
50	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, 593-595.	2.6	16
51	Coexpression of MAST205 inhibits the activity of Na <sup>+</sup> /H <sup>+</sup> -exchanger NHE3. <i>American Journal of Physiology - Renal Physiology</i> , 2006, 290, F428-F437.	1.3	16
52	Hyperglycemia promotes microvillus membrane expression of DMT1 in intestinal epithelial cells in a PKC $\delta$ -dependent manner. <i>FASEB Journal</i> , 2019, 33, 3549-3561.	0.2	16
53	Impaired intestinal NHE3 activity in the PDK1 hypomorphic mouse. <i>American Journal of Physiology - Renal Physiology</i> , 2006, 291, G868-G876.	1.6	15
54	Unique Regulation of Human Na <sup>+</sup> /H <sup>+</sup> -Exchanger 3 (NHE3) by Nedd4-2 Ligase That Differs from Non-primate NHE3s. <i>Journal of Biological Chemistry</i> , 2014, 289, 18360-18372.	1.6	15

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55	HIF1 $\alpha$ -Induced by Lysophosphatidic Acid Is Stabilized via Interaction with MIF and CSN5. PLoS ONE, 2015, 10, e0137513.	1.1	15
56	Development of CXCR4 modulators by virtual HTS of a novel amide-sulfamide compound library. European Journal of Medicinal Chemistry, 2017, 126, 464-475.	2.6	15
57	Systematic family-wide analysis of sodium bicarbonate cotransporter NBCn1/SLC4A7 interactions with PDZ scaffold proteins. Physiological Reports, 2014, 2, e12016.	0.7	14
58	Astrocytic and neuronal localization of the scaffold protein Na <sup>+</sup> /H <sup>+</sup> exchanger regulatory factor 2 (NHERF-2) in mouse brain. Journal of Comparative Neurology, 2006, 494, 752-762.	0.9	12
59	GLAST stability and activity are enhanced by interaction with the PDZ scaffold NHERF-2. Neuroscience Letters, 2011, 487, 3-7.	1.0	12
60	PSD-95 Interacts with NBCn1 and Enhances Channel-like Activity without Affecting Na/HCO <sub>3</sub> Cotransport. Cellular Physiology and Biochemistry, 2012, 30, 1444-1455.	1.1	12
61	Deletion of Na <sup>+</sup> /H <sup>+</sup> exchanger regulatory factor 2 represses colon cancer progress by suppression of Stat3 and CD24. American Journal of Physiology - Renal Physiology, 2016, 310, G586-G598.	1.6	12
62	Expression of lysophosphatidic acid receptor 5 is necessary for the regulation of intestinal Na <sup>+</sup> /H <sup>+</sup> exchanger 3 by lysophosphatidic acid in vivo. American Journal of Physiology - Renal Physiology, 2018, 315, G433-G442.	1.6	12
63	Group II metabotropic glutamate receptor interactions with NHERF scaffold proteins: Implications for receptor localization in brain. Neuroscience, 2017, 353, 58-75.	1.1	11
64	Inhibition of autotaxin alleviates inflammation and increases the expression of sodium-dependent glucose cotransporter 1 and Na <sup>+</sup> /H <sup>+</sup> exchanger 3 in SAMP1/Fc mice. American Journal of Physiology - Renal Physiology, 2018, 315, G762-G771.	1.6	11
65	Ubiquitin-specific peptidase 7 (USP7) and USP10 mediate deubiquitination of human NHE3 regulating its expression and activity. FASEB Journal, 2020, 34, 16476-16488.	0.2	10
66	Nedd4-2-dependent Ubiquitination Potentiates the Inhibition of Human NHE3 by Cholera Toxin and Enteropathogenic Escherichia coli. Cellular and Molecular Gastroenterology and Hepatology, 2022, 13, 695-716.	2.3	9
67	Control of Intestinal Epithelial Permeability by Lysophosphatidic Acid Receptor 5. Cellular and Molecular Gastroenterology and Hepatology, 2021, 12, 1073-1092.	2.3	6
68	Transgenic Expression of Human Lysophosphatidic Acid Receptor LPA2 in Mouse Intestinal Epithelial Cells Induces Intestinal Dysplasia. PLoS ONE, 2016, 11, e0154527.	1.1	5
69	Survival of Stem Cells and Progenitors in the Intestine Is Regulated by LPA5-Dependent Signaling. Cellular and Molecular Gastroenterology and Hepatology, 2022, 14, 129-150.	2.3	5
70	Metformin Inhibits Na <sup>+</sup> /H <sup>+</sup> Exchanger NHE3 Resulting in Intestinal Water Loss. Frontiers in Physiology, 2022, 13, 867244.	1.3	5
71	Postnatal developmental expression of the PDZ scaffolds Na <sup>+</sup> -H <sup>+</sup> exchanger regulatory factors 1 and 2 in the rat cochlea. Cell and Tissue Research, 2006, 323, 53-70.	1.5	2
72	Insulin Activates Intestinal NHE3 via IRBIT. FASEB Journal, 2012, 26, 1152.21.	0.2	1

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73	The absence of LPA1 results in aberrant intestinal epithelial cell migration. FASEB Journal, 2012, 26, 1158.4.	0.2	0
74	Activation of intestinal NHE3 by insulin depends on the coordination of IRBIT, NHERF1, and Ezrin. FASEB Journal, 2013, 27, 1210.11.	0.2	0
75	IRBIT Mediates Trafficking and Activation of Na <sup>+</sup> ,K <sup>+</sup> ATPase by Angiotensin II. FASEB Journal, 2015, 29, 969.8.	0.2	0
76	NHERF. , 2018, , 3480-3486.		0