

C Chris Yun

List of Publications by Year in Descending Order

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The third column is the impact factor (IF) of the journal, and the fourth column is the number of citations of the article.

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	Metformin Inhibits Na/H Exchanger NHE3 Resulting in Intestinal Water Loss.. <i>Frontiers in Physiology</i> , 2022 , 13, 867244	4.6	0
74	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
73	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
72	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
71	Lysophosphatidic Acid and Autotaxin-associated Effects on the Initiation and Progression of Colorectal Cancer. <i>Cancers</i> , 2019 , 11,	6.6	13
70	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
69	Hyperglycemia promotes microvillus membrane expression of DMT1 in intestinal epithelial cells in a PKC-dependent manner. <i>FASEB Journal</i> , 2019 , 33, 3549-3561	0.9	7
68	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
67	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
66	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
65	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
64	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
63	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
62	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
61	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
60	Krüppel-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
59	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

58	HIF1 β Induced by Lysophosphatidic Acid Is Stabilized via Interaction with MIF and CSN5. <i>PLoS ONE</i> , 2015 , 10, e0137513	3.7	12
57	Diverse roles of LPA signaling in the intestinal epithelium. <i>Experimental Cell Research</i> , 2015 , 333, 201-207.2	4.2	18
56	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
55	IRBIT Mediates Trafficking and Activation of Na ⁺ ,K ⁺ -ATPase by Angiotensin II. <i>FASEB Journal</i> , 2015 , 29, 969.8	0.9	
54	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
53	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
52	Role of Lysophosphatidic Acid (LPA) in the Intestine 2013 , 507-527		
51	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
50	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
49	Distinct phospholipase C- β 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
48	Regulation of hypoxia-inducible factor 1 β (HIF-1 β) by lysophosphatidic acid is dependent on interplay between p53 and Kr μ pel-like factor 5. <i>Journal of Biological Chemistry</i> , 2013 , 288, 25244-25253	5.4	55
47	Activation of intestinal NHE3 by insulin depends on the coordination of IRBIT, NHERF1, and Ezrin. <i>FASEB Journal</i> , 2013 , 27, 1210.11	0.9	
46	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
45	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
44	Development of a unique small molecule modulator of CXCR4. <i>PLoS ONE</i> , 2012 , 7, e34038	3.7	90
43	The absence of LPA1 results in aberrant intestinal epithelial cell migration. <i>FASEB Journal</i> , 2012 , 26, 1158.4	4.4	
42	Insulin Activates Intestinal NHE3 via IRBIT. <i>FASEB Journal</i> , 2012 , 26, 1152.21	0.9	
41	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

40	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
39	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
38	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
37	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
36	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
35	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
34	Mechanisms of the regulation of the intestinal Na ⁺ /H ⁺ exchanger NHE3. <i>Journal of Biomedicine and Biotechnology</i> , 2010 , 2010, 238080		58
33	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
32	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
31	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
30	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
29	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
28	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
27	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
26	MAGI-3 regulates LPA-induced activation of Erk and RhoA. <i>Cellular Signalling</i> , 2007 , 19, 261-8	4-9	47
25	Protein inhibitor of activated STAT1 interacts with and up-regulates activities of the pro-proliferative transcription factor Kröpel-like factor 5. <i>Journal of Biological Chemistry</i> , 2007 , 282, 4782-4793	5-4	32
24	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
23	Lysophosphatidic acid facilitates proliferation of colon cancer cells via induction of Kröpel-like factor 5. <i>Journal of Biological Chemistry</i> , 2007 , 282, 15541-9	5-4	64

22	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
21	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
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	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
18	Impaired intestinal NHE3 activity in the PDK1 hypomorphic mouse. <i>American Journal of Physiology - Renal Physiology</i> , 2006 , 291, G868-76	5.1	13
17	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
16	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
15	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
14	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
13	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
12	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
11	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
10	Regulation of the epithelial Ca ²⁺ 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
9	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
8	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
7	Na(+)/H(+) exchanger regulatory factor 2 directs parathyroid hormone 1 receptor signalling. <i>Nature</i> , 2002 , 417, 858-61	50.4	261
6	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
5	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

4	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 ⁻ /HCO ₃ ⁻ exchange to Na ⁺ /H ⁺ exchange. <i>Biochemistry</i> , 2002 , 41, 12336-42	3.2	86
3	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
2	Molecular Properties, Kinetics and Regulation of Mammalian Na ⁺ /H ⁺ Exchangers. <i>Cellular Physiology and Biochemistry</i> , 1994 , 4, 282-300	3.9	36
1	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