Wan Namkung

List of Publications by Year
in descending order

65 papers	2,562 citations	361388 20 h-index	189881 50 g-index
65 all docs	65 docs citations	65 times ranked	2671 citing authors

#	Article	IF	Citations
1	Synthetic ion transporters can induce apoptosis by facilitating chloride anion transport into cells. Nature Chemistry, 2014, 6, 885-892.	13.6	348
2	TMEM16A Inhibitors Reveal TMEM16A as a Minor Component of Calcium-activated Chloride Channel Conductance in Airway and Intestinal Epithelial Cells. Journal of Biological Chemistry, 2011, 286, 2365-2374.	3.4	309
3	A synthetic ion transporter that disrupts autophagy and induces apoptosis by perturbing cellular chloride concentrations. Nature Chemistry, 2017, 9, 667-675.	13.6	201
4	Small-Molecule Screen Identifies Inhibitors of a Human Intestinal Calcium-Activated Chloride Channel. Molecular Pharmacology, 2008, 73, 758-768.	2.3	195
5	Inhibition of Ca ²⁺ â€activated Cl ^{â^'} channels by gallotannins as a possible molecular basis for health benefits of red wine and green tea. FASEB Journal, 2010, 24, 4178-4186.	0.5	176
6	Smallâ€molecule activators of TMEM16A, a calciumâ€activated chloride channel, stimulate epithelial chloride secretion and intestinal contraction. FASEB Journal, 2011, 25, 4048-4062.	0.5	161
7	Ani9, A Novel Potent Small-Molecule ANO1 Inhibitor with Negligible Effect on ANO2. PLoS ONE, 2016, 11, e0155771.	2.5	140
8	Protease-activated receptor 2 exerts local protection and mediates some systemic complications in acute pancreatitisâ˜†. Gastroenterology, 2004, 126, 1844-1859.	1.3	81
9	Inhibition of ANO1 by luteolin and its cytotoxicity in human prostate cancer PC-3 cells. PLoS ONE, 2017, 12, e0174935.	2.5	72
10	Cell-Based Fluorescence Screen for K⁺ Channels and Transporters Using an Extracellular Triazacryptand-Based K⁺ Sensor. Journal of the American Chemical Society, 2008, 130, 7794-7795.	13.7	70
11	CFTR-Adenylyl Cyclase I Association Responsible for UTP Activation of CFTR in Well-Differentiated Primary Human Bronchial Cell Cultures. Molecular Biology of the Cell, 2010, 21, 2639-2648.	2.1	66
12	Ca2+ Activates Cystic Fibrosis Transmembrane Conductance Regulator- and Clâ^'-dependent HCO3â^' Transport in Pancreatic Duct Cells. Journal of Biological Chemistry, 2003, 278, 200-207.	3.4	63
13	Chloride channel inhibition by a red wine extract and a synthetic small molecule prevents rotaviral secretory diarrhoea in neonatal mice. Gut, 2014, 63, 1120-1129.	12.1	63
14	Inhibition of ANO1/TMEM16A Chloride Channel by Idebenone and Its Cytotoxicity to Cancer Cell Lines. PLoS ONE, 2015, 10, e0133656.	2.5	58
15	In Situ Measurement of Airway Surface Liquid [K+] Using a Ratioable K+-sensitive Fluorescent Dye. Journal of Biological Chemistry, 2009, 284, 15916-15926.	3.4	44
16	Enzyme-Responsive Procarriers Capable of Transporting Chloride Ions across Lipid and Cellular Membranes. Journal of the American Chemical Society, 2016, 138, 15319-15322.	13.7	38
17	Synergistic mucus secretion by histamine and IL-4 through TMEM16A in airway epithelium. American Journal of Physiology - Lung Cellular and Molecular Physiology, 2017, 313, L466-L476.	2.9	32
18	Synthetic aminopyrrolic receptors have apoptosis inducing activity. Chemical Science, 2015, 6, 7284-7292.	7.4	26

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19	Synthesis and biological evaluation of novel Ani9 derivatives as potent and selective ANO1 inhibitors. European Journal of Medicinal Chemistry, 2018, 160, 245-255.	5.5	26
20	Inhibition of Pendrin by a small molecule reduces Lipopolysaccharide-induced acute Lung Injury. Theranostics, 2020, 10, 9913-9922.	10.0	25
21	PAR2 exerts local protection against acute pancreatitis via modulation of MAP kinase and MAP kinase phosphatase signaling. American Journal of Physiology - Renal Physiology, 2008, 295, G886-G894.	3.4	23
22	Thick airway surface liquid volume and weak mucin expression in pendrin-deficient human airway epithelia. Physiological Reports, 2015, 3, e12480.	1.7	22
23	Domino [4 + 2] Annulation Access to Quinoneâ€“Indolizine Hybrids: Anticancer N-Fused Polycycles. Journal of Organic Chemistry, 2020, 85, 10994-11005.	3.2	21
24	Base Treatment Corrects Defects Due to Misfolding of Mutant Cystic Fibrosis Transmembrane Conductance Regulator. Gastroenterology, 2005, 129, 1979-1990.	1.3	20
25	Novel Amino-Carbonitrile-Pyrazole Identified in a Small Molecule Screen Activates Wild-Type and âˆ†F508 Cystic Fibrosis Transmembrane Conductance Regulator in the Absence of a cAMP Agonist. Molecular Pharmacology, 2013, 84, 384-392.	2.3	18
26	Expansion of chemical space based on a pyrrolo[1,2-a]pyrazine core: Synthesis and its anticancer activity in prostate cancer and breast cancer cells. European Journal of Medicinal Chemistry, 2020, 188, 111988.	5.5	18
27	Benzopyrimido-pyrrolo-oxazine-dione (R)-BPO-27 Inhibits CFTR Chloride Channel Gating by Competition with ATP. Molecular Pharmacology, 2015, 88, 689-696.	2.3	15
28	Isorhamnetin Ameliorates Dry Eye Disease via CFTR Activation in Mice. International Journal of Molecular Sciences, 2021, 22, 3954.	4.1	15
29	Novel pendrin inhibitor attenuates airway hyperresponsiveness and mucin expression in experimental murine asthma. Journal of Allergy and Clinical Immunology, 2019, 144, 1425-1428.e12.	2.9	14
30	Chemical constituents from Schisandra sphenanthera and their cytotoxic activity. Natural Product Research, 2021, 35, 3360-3369.	1.8	14
31	Punicalagin Ameliorates Lupus Nephritis via Inhibition of PAR2. International Journal of Molecular Sciences, 2020, 21, 4975.	4.1	14
32	Diethylstilbestrol, a Novel ANO1 Inhibitor, Exerts an Anticancer Effect on Non-Small Cell Lung Cancer via Inhibition of ANO1. International Journal of Molecular Sciences, 2021, 22, 7100.	4.1	14
33	Developmental Changes of ENaC Expression and Function in the Inner Ear of Pendrin Knock-Out Mice as a Perspective on the Development of Endolymphatic Hydrops. PLoS ONE, 2014, 9, e95730.	2.5	13
34	A domino annulation approach to 3,4-diacylpyrrolo[1,2-a]pyrazines: decoration of pyrazine units. Organic and Biomolecular Chemistry, 2020, 18, 3324-3333.	2.8	13
35	Diversity-oriented generation and biological evaluation of new chemical scaffolds bearing a 2,2-dimethyl-2H-chromene unit: Discovery of novel potent ANO1 inhibitors. Bioorganic Chemistry, 2020, 101, 104000.	4.1	11
36	Oleanane-type triterpene saponins from Aralia armata leaves and their cytotoxic activity. Natural Product Research, 2022, 36, 142-149.	1.8	10

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37	Anti-Inflammatory Effect of Licochalcone A via Regulation of ORAI1 and K+ Channels in T-Lymphocytes. International Journal of Molecular Sciences, 2021, 22, 10847.	4.1	10
38	Novel ANO1 Inhibitor from Mallotus apelta Extract Exerts Anticancer Activity through Downregulation of ANO1. International Journal of Molecular Sciences, 2020, 21, 6470.	4.1	9
39	Four new sucrose diesters of substituted truxinic acids from Trigonostemon honbaensis with their anoctamin-1 inhibitory activity. Bioorganic Chemistry, 2020, 102, 104058.	4.1	9
40	Triterpenoid glycosides from the rhizomes of Allium ascalonicum and their anoctamin-1 inhibitory activity. Natural Product Research, 2021, 35, 4338-4346.	1.8	8
41	Potentiation of Î”F508- and G551D-CFTR-Mediated Cl- Current by Novel Hydroxypyrazolines. PLoS ONE, 2016, 11, e0149131.	2.5	8
42	Cinobufagin Exerts Anticancer Activity in Oral Squamous Cell Carcinoma Cells through Downregulation of ANO1. International Journal of Molecular Sciences, 2021, 22, 12037.	4.1	8
43	Novel CFTR Activator Cact-3 Ameliorates Ocular Surface Dysfunctions in Scopolamine-Induced Dry Eye Mice. International Journal of Molecular Sciences, 2022, 23, 5206.	4.1	8
44	Generation of Î”F508-CFTR T84 cell lines by CRISPR/Cas9-mediated genome editing. Biotechnology Letters, 2016, 38, 2023-2034.	2.2	7
45	Cytotoxic sesquiterpene glucosides from Fissistigma pallens. Phytochemistry, 2020, 172, 112255.	2.9	7
46	Generation of a poly-functionalized indolizine scaffold and its anticancer activity in pancreatic cancer cells. Bioorganic Chemistry, 2022, 126, 105877.	4.1	7
47	Two new iridoid-sesquiterpene conjugates from Rehmannia glutinosa. Phytochemistry Letters, 2021, 43, 208-211.	1.2	6
48	Luteolin reduces fluid hypersecretion by inhibiting TMEM16A in interleukin-4 treated Calu-3 airway epithelial cells. Korean Journal of Physiology and Pharmacology, 2020, 24, 329-338.	1.2	6
49	PAR4-Mediated PI3K/Akt and RhoA/ROCK Signaling Pathways Are Essential for Thrombin-Induced Morphological Changes in MEG-01 Cells. International Journal of Molecular Sciences, 2022, 23, 776.	4.1	6
50	VI-116, A Novel Potent Inhibitor of VRAC with Minimal Effect on ANO1. International Journal of Molecular Sciences, 2022, 23, 5168.	4.1	5
51	Novel positive allosteric modulator of proteaseâ€activated receptor 1 promotes skin wound healing in hairless mice. British Journal of Pharmacology, 2021, 178, 3414-3427.	5.4	4
52	Celastrol suppresses the growth of vestibular schwannoma in mice by promoting the degradation of Î²-catenin. Acta Pharmacologica Sinica, 2022, , .	6.1	3
53	Dihydrostilbene glycosides from Camellia sinensis var. assamica and their cytotoxic activity. Natural Product Research, 2022, 36, 3931-3937.	1.8	2
54	Chemical Constituents of Phoebe poilanei and Their Cytotoxic Activity. Natural Product Communications, 2019, 14, 1934578X1985096.	0.5	0

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55	Identification and characterization of novel smallâ€molecule inhibitors of SLC26A9. FASEB Journal, 2021, 35, .	0.5	0
56	GB83 activates PAR2 and rapidly induces desensitization and internalization of PAR2. FASEB Journal, 2021, 35, .	0.5	0
57	Biochemical and Functional Interaction between VPAC1 and Sâ€SCAM/MAGIâ€2. FASEB Journal, 2007, 21, A1322.	0.5	0
58	Identification of novel CFTR activator and its application to inducing chloride transport at the mouse ocular surface (654.7). FASEB Journal, 2014, 28, 654.7.	0.5	0
59	Identification of novel, potent and selective inhibitor of VRAC. FASEB Journal, 2019, 33, 824.4.	0.5	0
60	Novel PAR2 antagonist ameliorates progression of lupus nephritis in NZB/Z F1 mice. FASEB Journal, 2020, 34, 1-1.	0.5	0
61	Positive allosteric modulator of proteaseâ€activated receptor 1 promotes skin wound healing in hairless mice. FASEB Journal, 2020, 34, 1-1.	0.5	0
62	Potent and selective inhibition of anion exchange activity of SLC26A3 by DI330. FASEB Journal, 2020, 34, 1-1.	0.5	0
63	Identification and characterization of a novel Anoctamin 1 inhibitor and its anticancer effects. FASEB Journal, 2020, 34, 1-1.	0.5	0
64	Potent and selective inhibition of anion exchange activity of SLC26A9 by A9â€301. FASEB Journal, 2022, 36, .	0.5	0
65	PAR4 Primarily Mediates Thrombinâ€induced Morphological Changes in MEGâ€01 Cells through PI3K/Akt and RhoA/ROCK Signaling Pathways. FASEB Journal, 2022, 36, .	0.5	0