Hailong An

List of Publications by Year
in descending order

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52	945	471371	501076
papers	citations	17	28
		h-index	g-index

52	52	52	879
all docs	docs citations	times ranked	citing authors

#	Article	IF	Citations
1	Molecular dynamics simulation of TMEM16A channel: Linking structure with gating. Biochimica Et Biophysica Acta - Biomembranes, 2022, 1864, 183777.	1.4	5
2	Nuciferine Inhibits TMEM16A in Dietary Adjuvant Therapy for Lung Cancer. Journal of Agricultural and Food Chemistry, 2022, 70, 3687-3696.	2.4	24
3	Zafirlukast inhibits the growth of lung adenocarcinoma via inhibiting TMEM16A channel activity. Journal of Biological Chemistry, 2022, 298, 101731.	1.6	14
4	Protein disulfide isomerase modulation of TRPV1 controls heat hyperalgesia in chronic pain. Cell Reports, 2022, 39, 110625.	2.9	4
5	Anoctamin 1 controls bone resorption by coupling Clâ˜ channel activation with RANKL-RANK signaling transduction. Nature Communications, 2022, 13, .	5.8	15
6	Molecular mechanism of CD44 homodimerization modulated by palmitoylation and membrane environments. Biophysical Journal, 2022, 121, 2671-2683.	0.2	6
7	Caffeic Acid, an Active Ingredient in Coffee, Combines with DOX for Multitarget Combination Therapy of Lung Cancer. Journal of Agricultural and Food Chemistry, 2022, 70, 8326-8337.	2.4	16
8	Near-Infrared Light-Responsive Nanoinhibitors for Tumor Suppression through Targeting and Regulating Anion Channels. ACS Applied Materials & Interfaces, 2022, 14, 31715-31726.	4.0	8
9	Multi-target tracheloside and doxorubicin combined treatment of lung adenocarcinoma. Biomedicine and Pharmacotherapy, 2022, 153, 113392.	2.5	6
10	Photothermal Modulation of Depressionâ€Related Ion Channel Function through Conjugated Polymer Nanoparticles. Advanced Functional Materials, 2021, 31, 2010757.	7.8	22
11	Inhibition of TMEM16A by Natural Product Silibinin: Potential Lead Compounds for Treatment of Lung Adenocarcinoma. Frontiers in Pharmacology, 2021, 12, 643489.	1.6	14
12	Emerging Modulators of TMEM16A and Their Therapeutic Potential. Journal of Membrane Biology, 2021, 254, 353-365.	1.0	18
13	Theaflavin binds to a druggable pocket of TMEM16A channel and inhibits lung adenocarcinoma cell viability. Journal of Biological Chemistry, 2021, 297, 101016.	1.6	18
14	A versatile nanoplatform based on multivariate porphyrinic metalâ€“organic frameworks for catalytic cascade-enhanced photodynamic therapy. Journal of Materials Chemistry B, 2021, 9, 4678-4689.	2.9	13
15	TMEM16A, a Homoharringtonine Receptor, as a Potential Endogenic Target for Lung Cancer Treatment. International Journal of Molecular Sciences, 2021, 22, 10930.	1.8	16
16	TMEM16A Protein: Calcium-Binding Site and its Activation Mechanism. Protein and Peptide Letters, 2021, 28, 1338-1348.	0.4	2
17	Editorial: Ion Channels: Therapeutic Targets for Neurological Disease. Frontiers in Molecular Neuroscience, 2021, 14, 797327.	1.4	2
18	Molecular mechanism of CaCCinh-A01 inhibiting TMEM16A channel. Archives of Biochemistry and Biophysics, 2020, 695, 108650.	1.4	14

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19	Activation of TMEM16A by natural product canthaxanthin promotes gastrointestinal contraction. FASEB Journal, 2020, 34, 13430-13444.	0.2	11
20	TMEM16A-inhibitor loaded pH-responsive nanoparticles: A novel dual-targeting antitumor therapy for lung adenocarcinoma. Biochemical Pharmacology, 2020, 178, 114062.	2.0	15
21	Procyanidin B1, a novel and specific inhibitor of Kv10.1 channel, suppresses the evolution of hepatoma. Biochemical Pharmacology, 2020, 178, 114089.	2.0	33
22	Delineating an extracellular redox-sensitive module in T-type Ca2+ channels. Journal of Biological Chemistry, 2020, 295, 6177-6186.	1.6	6
23	Recent progress in structural studies on TMEM16A channel. Computational and Structural Biotechnology Journal, 2020, 18, 714-722.	1.9	21
24	Molecular Mechanisms and Structural Basis of Retigabine Analogues in Regulating KCNQ2 Channel. Journal of Membrane Biology, 2020, 253, 167-181.	1.0	15
25	Arctigenin, a novel TMEM16A inhibitor for lung adenocarcinoma therapy. Pharmacological Research, 2020, 155, 104721.	3.1	43
26	A novel anti-cancer mechanism of Nutlin-3 through downregulation of Eag1 channel and PI3K/AKT pathway. Biochemical and Biophysical Research Communications, 2019, 517, 445-451.	1.0	3
27	Entering the spotlight: Chitosan oligosaccharides as novel activators of CaCCs/TMEM16A. Pharmacological Research, 2019, 146, 104323.	3.1	22
28	Tetrandrine, a novel inhibitor of etherâ€Ãâ€goâ€goâ€1 (Eag1), targeted to cervical cancer development. Journal of Cellular Physiology, 2019, 234, 7161-7173.	2.0	27
29	Matrine is a novel inhibitor of the TMEM16A chloride channel with antilung adenocarcinoma effects. Journal of Cellular Physiology, 2019, 234, 8698-8708.	2.0	80
30	Recent advances in TMEM16A: Structure, function, and disease. Journal of Cellular Physiology, 2019, 234, 7856-7873.	2.0	89
31	The Natural Compound Cinnamaldehyde is a Novel Activator of Calcium-Activated Chloride Channel. Journal of Membrane Biology, 2018, 251, 747-756.	1.0	13
32	Ginsenoside Rb1, a novel activator of the TMEM16A chloride channel, augments the contraction of guinea pig ileum. Pflugers Archiv European Journal of Physiology, 2017, 469, 681-692.	1.3	42
33	Eag1 Voltage-Dependent Potassium Channels: Structure, Electrophysiological Characteristics, and Function in Cancer. Journal of Membrane Biology, 2017, 250, 123-132.	1.0	21
34	Hydrocinnamic Acid Inhibits the Currents of WT and SQT3 Syndrome-Related Mutants of Kir2.1 Channel. Journal of Membrane Biology, 2017, 250, 425-432.	1.0	5
35	Anti-tumor effects of (1â†'3)-Î²-d-glucan from Saccharomyces cerevisiae in S180 tumor-bearing mice. International Journal of Biological Macromolecules, 2017, 95, 385-392.	3.6	39
36	Styrax blocks inward and outward current of Kir2.1 channel. Channels, 2017, 11, 46-54.	1.5	3

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37	Identification of Resveratrol, an Herbal Compound, as an Activator of the Calcium-Activated Chloride Channel, TMEM16A. Journal of Membrane Biology, 2017, 250, 483-492.	1.0	26
38	Allosteric-activation mechanism of BK channel gating ring triggered by calcium ions. PLoS ONE, 2017, 12, e0182067.	1.1	6
39	Two Ca2+-Binding Sites Cooperatively Couple Together in TMEM16A Channel. Journal of Membrane Biology, 2016, 249, 57-63.	1.0	3
40	Selective activation of vascular K_v7.4/K_v7.5 K⁺ channels by fasudil contributes to its vasorelaxant effect. British Journal of Pharmacology, 2016, 173, 3480-3491.	2.7	18
41	Three pairs of weak interactions precisely regulate the G-loop gate of Kir2.1 channel. Proteins: Structure, Function and Bioinformatics, 2016, 84, 1929-1937.	1.5	5
42	Conjugated Polymer-Based Hybrid Materials for Turn-On Detection of CO₂ in Plant Photosynthesis. Analytical Chemistry, 2016, 88, 6593-6597.	3.2	18
43	Structural Basis for Differences in Dynamics Induced by Leu Versus Ile Residues in the CD Loop of Kir Channels. Molecular Neurobiology, 2016, 53, 5948-5961.	1.9	7
44	Conformation Changes: Grapheneâ€Oxideâ€Conjugated Polymer Hybrid Materials for Calmodulin Sensing by Using FRET Strategy (Adv. Funct. Mater. 28/2015). Advanced Functional Materials, 2015, 25, 4560-4560.	7.8	0
45	Identification of the Conformational transition pathway in PIP2 Opening Kir Channels. Scientific Reports, 2015, 5, 11289.	1.6	24
46	Conjugated Polythiophene/Porphyrin Complex for Rapid and Simple Detection of Bacteria in Drinking Water. Macromolecular Chemistry and Physics, 2015, 216, 1603-1608.	1.1	11
47	Grapheneâ€Oxideâ€Conjugated Polymer Hybrid Materials for Calmodulin Sensing by Using FRET Strategy. Advanced Functional Materials, 2015, 25, 4412-4418.	7.8	48
48	Conjugated Polythiophene for Rapid, Simple, and High-Throughput Screening of Antimicrobial Photosensitizers. ACS Applied Materials & Interfaces, 2015, 7, 14569-14572.	4.0	29
49	A novel biophysical model on calcium and voltage dual dependent gating of calcium-activated chloride channel. Journal of Theoretical Biology, 2014, 355, 229-235.	0.8	8
50	Lack of Negatively Charged Residues at the External Mouth of Kir2.2 Channels Enable the Voltage-Dependent Block by External Mg2+. PLoS ONE, 2014, 9, e111372.	1.1	8
51	TMEM16A/B Associated CaCC: Structural and Functional Insights. Protein and Peptide Letters, 2013, 21, 94-99.	0.4	12
52	Direct or Indirect Regulation of Calcium-Activated Chloride Channel by Calcium. Journal of Membrane Biology, 2011, 240, 121-129.	1.0	17