Kewei Wang

List of Publications by Year
in descending order

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66	1,929	236925	276875
papers	citations	25 h-index	41 g-index

67	67	67	2427
all docs	docs citations	times ranked	citing authors

#	Article	IF	Citations
1	Exome Sequencing Reveals Mutations in TRPV3 as a Cause of Olmsted Syndrome. American Journal of Human Genetics, 2012, 90, 558-564.	6.2	300
2	Inhibition of Ca2+-activated Clâ^' channel ANO1/TMEM16A expression suppresses tumor growth and invasiveness in human prostate carcinoma. Cancer Letters, 2012, 326, 41-51.	7.2	158
3	Inhibition of Calcium-Activated Chloride Channel ANO1/TMEM16A Suppresses Tumor Growth and Invasion in Human Lung Cancer. PLoS ONE, 2015, 10, e0136584.	2.5	101
4	The current agonists and positive allosteric modulators of Î± 7 nAChR for CNS indications in clinical trials. Acta Pharmaceutica Sinica B, 2017, 7, 611-622.	12.0	87
5	Inhibition of calcium-activated chloride channel ANO1 suppresses proliferation and induces apoptosis of epithelium originated cancer cells. Oncotarget, 2016, 7, 78619-78630.	1.8	65
6	The fate of medications evaluated for ischemic stroke pharmacotherapy over the period 1995â€“2015. Acta Pharmaceutica Sinica B, 2016, 6, 522-530.	12.0	64
7	Heteromeric Heat-sensitive Transient Receptor Potential Channels Exhibit Distinct Temperature and Chemical Response. Journal of Biological Chemistry, 2012, 287, 7279-7288.	3.4	63
8	Honokiol protects brain against ischemiaâ€“reperfusion injury in rats through disrupting PSD95â€“nNOS interaction. Brain Research, 2013, 1491, 204-212.	2.2	53
9	Intracellular Proton-mediated Activation of TRPV3 Channels Accounts for the Exfoliation Effect of Î±-Hydroxyl Acids on Keratinocytes. Journal of Biological Chemistry, 2012, 287, 25905-25916.	3.4	50
10	Inhibition of ANO1/TMEM16A induces apoptosis in human prostate carcinoma cells by activating TNF-Î± signaling. Cell Death and Disease, 2018, 9, 703.	6.3	50
11	Antipruritic Effect of Natural Coumarin Osthole through Selective Inhibition of Thermosensitive TRPV3 Channel in the Skin. Molecular Pharmacology, 2018, 94, 1164-1173.	2.3	45
12	The Ca²⁺-Permeable Cation Transient Receptor Potential TRPV3 Channel: An Emerging Pivotal Target for Itch and Skin Diseases. Molecular Pharmacology, 2017, 92, 193-200.	2.3	40
13	Inhibition of Ca²⁺â€activated chloride channel ANO1 suppresses ovarian cancer through inactivating PI3K/Akt signaling. International Journal of Cancer, 2019, 144, 2215-2226.	5.1	40
14	Deficiency of anti-inflammatory cytokine IL-4 leads to neural hyperexcitability and aggravates cerebral ischemiaâ€“reperfusion injury. Acta Pharmaceutica Sinica B, 2020, 10, 1634-1645.	12.0	39
15	Capsaicin enhances the antitumor activity of sorafenib in hepatocellular carcinoma cells and mouse xenograft tumors through increased ERK signaling. Acta Pharmacologica Sinica, 2018, 39, 438-448.	6.1	38
16	A pivotal role for the activation of TRPV3 channel in itch sensations induced by the natural skin sensitizer carvacrol. Acta Pharmacologica Sinica, 2018, 39, 331-335.	6.1	37
17	Pharmacological Inhibition of the Temperature-Sensitive and Ca²⁺-Permeable Transient Receptor Potential Vanilloid TRPV3 Channel by Natural Forsythoside B Attenuates Pruritus and Cytotoxicity of Keratinocytes. Journal of Pharmacology and Experimental Therapeutics, 2019, 368, 21-31.	2.5	36
18	Synergistic antitumor activity of sorafenib and artesunate in hepatocellular carcinoma cells. Acta Pharmacologica Sinica, 2020, 41, 1609-1620.	6.1	36

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19	Synthesis and biological activities of indolizine derivatives as alpha-7 nAChR agonists. European Journal of Medicinal Chemistry, 2016, 115, 94-108.	5.5	35
20	Comparison of Gating Properties and Use-Dependent Block of Nav1.5 and Nav1.7 Channels by Anti-Arrhythmics Mexiletine and Lidocaine. PLoS ONE, 2015, 10, e0128653.	2.5	35
21	Effect of magnolol on cerebral injury and blood brain barrier dysfunction induced by ischemia-reperfusion in vivo and in vitro. Metabolic Brain Disease, 2017, 32, 1109-1118.	2.9	34
22	The Ca2+-activated chloride channel ANO1/TMEM16A: An emerging therapeutic target for epithelium-originated diseases?. Acta Pharmaceutica Sinica B, 2021, 11, 1412-1433.	12.0	34
23	Inhibition of the Warm Temperatureâ€“Activated Ca‹sup›2+‹/sup›-Permeable Transient Receptor Potential Vanilloid TRPV3 Channel Attenuates Atopic Dermatitis. Molecular Pharmacology, 2019, 96, 393-400.	2.3	33
24	Elevated Expression of Acid-Sensing Ion Channel 3 Inhibits Epilepsy via Activation of Interneurons. Molecular Neurobiology, 2016, 53, 485-498.	4.0	30
25	Exploiting the Diversity of Ion Channels: Modulation of Ion Channels for Therapeutic Indications. Handbook of Experimental Pharmacology, 2019, 260, 187-205.	1.8	27
26	Visceral Hyperalgesia Induced by Forebrain-Specific Suppression of Native Kv7/KCNQ/M-Current in Mice. Molecular Pain, 2011, 7, 1744-8069-7-84.	2.1	23
27	The role of Piezo1 in conventional aqueous humor outflow dynamics. IScience, 2021, 24, 102042.	4.1	23
28	The Mpro structure-based modifications of ebselen derivatives for improved antiviral activity against SARS-CoV-2 virus. Bioorganic Chemistry, 2021, 117, 105455.	4.1	22
29	Electrophysiological and pharmacological characterization of a novel and potent neuronal Kv7 channel opener SCR2682 for antiepilepsy. FASEB Journal, 2019, 33, 9154-9166.	0.5	21
30	Selective Activation of Nociceptor TRPV1 Channel and Reversal of Inflammatory Pain in Mice by a Novel Coumarin Derivative Muralatin L from Murraya alata. Journal of Biological Chemistry, 2016, 291, 640-651.	3.4	20
31	Inhibition of temperature-sensitive TRPV3 channel by two natural isochlorogenic acid isomers for alleviation of dermatitis and chronic pruritus. Acta Pharmaceutica Sinica B, 2022, 12, 723-734.	12.0	19
32	Anti-pruritic and anti-inflammatory effects of natural verbascoside through selective inhibition of temperature-sensitive Ca2+-permeable TRPV3 channel. Journal of Dermatological Science, 2020, 97, 229-231.	1.9	16
33	Design and Synthesis of Novel Positive Allosteric Modulators of Î±7 Nicotinic Acetylcholine Receptors with the Ability To Rescue Auditory Gating Deficit in Mice. Journal of Medicinal Chemistry, 2019, 62, 159-173.	6.4	13
34	Detection of Lipase Activity in Cells by a Fluorescent Probe Based on Formation of Self-Assembled Micelles. IScience, 2020, 23, 101294.	4.1	13
35	Discovery of 4-arylthiophene-3-carboxylic acid as inhibitor of ANO1 and its effect as analgesic agent. Acta Pharmaceutica Sinica B, 2021, 11, 1947-1964.	12.0	13
36	Pharmacological Activation of Thermoâ€“Transient Receptor Potential Vanilloid 3 Channels Inhibits Hair Growth by Inducing Cell Death of Hair Follicle Outer Root Sheath. Journal of Pharmacology and Experimental Therapeutics, 2019, 370, 299-307.	2.5	12

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37	Different KChIPs Compete for Heteromultimeric Assembly with Pore-Forming Kv4 Subunits. Biophysical Journal, 2015, 108, 2658-2669.	0.5	11
38	Activity-induced spontaneous spikes in GABAergic neurons suppress seizure discharges: an implication of computational modeling. Oncotarget, 2017, 8, 32384-32397.	1.8	11
39	Visualizing TRPA1 in the Plasma Membrane for Rapidly Screening Optical Control Agonists via a Photochromic Ligand Based Fluorescent Probe. Analytical Chemistry, 2020, 92, 1934-1939.	6.5	10
40	Pharmacological Characterization of H05, a Novel Serotonin and Noradrenaline Reuptake Inhibitor with Moderate 5-HT_{2A} Antagonist Activity for the Treatment of Depression. Journal of Pharmacology and Experimental Therapeutics, 2018, 365, 624-635.	2.5	9
41	Activation of Neuronal Voltage-Gated Potassium Kv7/KCNQ/M-Current by a Novel Channel Opener SCR2682 for Alleviation of Chronic Pain. Journal of Pharmacology and Experimental Therapeutics, 2021, 377, 20-28.	2.5	9
42	Natural Piperine Improves Lipid Metabolic Profile of High-Fat Diet-Fed Mice by Upregulating SR-B1 and ABCG8 Transporters. Journal of Natural Products, 2021, 84, 373-381.	3.0	9
43	Photosensitive and Photoswitchable TRPA1 Agonists Optically Control Pain through Channel Desensitization. Journal of Medicinal Chemistry, 2021, 64, 16282-16292.	6.4	9
44	Inhibition of intracellular proton-sensitive Ca2+-permeable TRPV3 channels protects against ischemic brain injury. Acta Pharmaceutica Sinica B, 2022, 12, 2330-2347.	12.0	9
45	Molecular determinants for the chemical activation of the warmth-sensitive TRPV3 channel by the natural monoterpenoid carvacrol. Journal of Biological Chemistry, 2022, , 101706.	3.4	9
46	Anticonvulsant effect of dipropofol by enhancing native GABA currents in cortical neurons in mice. Journal of Neurophysiology, 2018, 120, 1404-1414.	1.8	8
47	Design, synthesis and biological activities of piperidine-spirooxadiazole derivatives as Î±7 nicotinic receptor antagonists. European Journal of Medicinal Chemistry, 2020, 207, 112774.	5.5	8
48	Identification of two natural coumarin enantiomers for selective inhibition of TRPV2 channels. FASEB Journal, 2020, 34, 12338-12353.	0.5	8
49	Inhibition of Nav1.7 channel by a novel blocker QLS-81 for alleviation of neuropathic pain. Acta Pharmacologica Sinica, 2021, 42, 1235-1247.	6.1	8
50	DIC/Oxymaâ€based accelerated synthesis and oxidative folding studies of centipede toxin <scp>RhTx</scp>. Journal of Peptide Science, 2022, 28, e3368.	1.4	8
51	Negative modulation of NMDA receptor channel function by DREAM/calsenilin/KChIP3 provides neuroprotection?. Frontiers in Molecular Neuroscience, 2012, 5, 39.	2.9	7
52	Discovery of fused heterocyclic carboxamide derivatives as novel Î±7-nAChR agonists: Synthesis, preliminary SAR and biological evaluation. European Journal of Medicinal Chemistry, 2019, 182, 111618.	5.5	7
53	Synthesis and Biological Evaluation of Novel Triazine Derivatives as Positive Allosteric Modulators of Î±7 Nicotinic Acetylcholine Receptors. Journal of Medicinal Chemistry, 2021, 64, 12379-12396.	6.4	6
54	Evodiamine Lowers Blood Lipids by Up-Regulating the PPARÎ³/ABCG1 Pathway in High-Fat-Diet-Fed Mice. Journal of Natural Products, 2021, 84, 3110-3116.	3.0	6

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55	Efficient Chemical Synthesis and Oxidative Folding Studies of Scorpion Toxin Peptide WaTx. Acta Chimica Sinica, 2022, 80, 444.	1.4	6
56	Discovery, synthesis, and optimization of teixobactin, a novel antibiotic without detectable bacterial resistance. Journal of Peptide Science, 2022, 28, .	1.4	6
57	Interactions of KChIP4a and its mutants with Ca2+ or Kv4.3 N-terminus by affinity capillary electrophoresis. Analytical Biochemistry, 2014, 449, 99-105.	2.4	5
58	The Tetramerization Domain Potentiates Kv4 Channel Function by Suppressing Closed-State Inactivation. Biophysical Journal, 2014, 107, 1090-1104.	0.5	5
59	Prefrontal inhibition of neuronal K_v7 channels enhances prepulse inhibition of acoustic startle reflex and resistance to hypofrontality. British Journal of Pharmacology, 2020, 177, 4720-4733.	5.4	5
60	Optimization of 4-arylthiophene-3-carboxylic acid derivatives as inhibitors of ANO1: Lead optimization studies toward their analgesic efficacy for inflammatory pain. European Journal of Medicinal Chemistry, 2022, 237, 114413.	5.5	5
61	Selective activation of TRPA1 ion channels by nitrobenzene skin sensitizers DNFB and DNCB. Journal of Biological Chemistry, 2022, 298, 101555.	3.4	4
62	Involvement of TMEM16A/ANO1 upregulation in the oncogenesis of colorectal cancer. Biochimica Et Biophysica Acta - Molecular Basis of Disease, 2022, 1868, 166370.	3.8	4
63	Piezo2 downregulation via the Cre-lox system affects aqueous humor dynamics in mice. Molecular Vision, 2021, 27, 354-364.	1.1	3
64	Smallâ€moleculeâ€driven direct reprogramming of MÃ¼ller cells into bipolarâ€like cells. Cell Proliferation, 2022, 55, e13184.	5.3	3
65	Chemical conversion of nicotinamide into type I positive allosteric modulator of Î±7 nAChRs. Bioorganic and Medicinal Chemistry Letters, 2019, 29, 1928-1933.	2.2	2
66	Design and synthesis of novel Î±-aminoamides derivatives as Nav1.7 inhibitors for antinociception. Chinese Chemical Letters, 2022, 33, 1643-1646.	9.0	1