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	Design and synthesis of novel Î±-aminoamides derivatives as Nav1.7 inhibitors for antinociception. Chinese Chemical Letters, 2022, 33, 1643-1646.	9.0	1
2	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
3	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
4	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
5	Smallâ€moleculeâ€driven direct reprogramming of MÃ¼ller cells into bipolarâ€like cells. Cell Proliferation, 2022, 55, e13184.	5.3	3
6	Selective activation of TRPA1 ion channels by nitrobenzene skin sensitizers DNFB and DNCB. Journal of Biological Chemistry, 2022, 298, 101555.	3.4	4
7	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
8	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
9	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
10	Efficient Chemical Synthesis and Oxidative Folding Studies of Scorpion Toxin Peptide WaTx. Acta Chimica Sinica, 2022, 80, 444.	1.4	6
11	Discovery, synthesis, and optimization of teixobactin, a novel antibiotic without detectable bacterial resistance. Journal of Peptide Science, 2022, 28, .	1.4	6
12	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
13	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
14	The role of Piezo1 in conventional aqueous humor outflow dynamics. IScience, 2021, 24, 102042.	4.1	23
15	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
16	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
17	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
18	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

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19	Photosensitive and Photoswitchable TRPA1 Agonists Optically Control Pain through Channel Desensitization. Journal of Medicinal Chemistry, 2021, 64, 16282-16292.	6.4	9
20	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
21	Piezo2 downregulation via the Cre-lox system affects aqueous humor dynamics in mice. Molecular Vision, 2021, 27, 354-364.	1.1	3
22	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
23	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
24	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
25	Detection of Lipase Activity in Cells by a Fluorescent Probe Based on Formation of Self-Assembled Micelles. IScience, 2020, 23, 101294.	4.1	13
26	Identification of two natural coumarin enantiomers for selective inhibition of TRPV2 channels. FASEB Journal, 2020, 34, 12338-12353.	0.5	8
27	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
28	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
29	Synergistic antitumor activity of sorafenib and artesunate in hepatocellular carcinoma cells. Acta Pharmacologica Sinica, 2020, 41, 1609-1620.	6.1	36
30	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
31	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
32	Inhibition of the Warm Temperatureâ€“Activated Ca²⁺-Permeable Transient Receptor Potential Vanilloid TRPV3 Channel Attenuates Atopic Dermatitis. Molecular Pharmacology, 2019, 96, 393-400.	2.3	33
33	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
34	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
35	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
36	Exploiting the Diversity of Ion Channels: Modulation of Ion Channels for Therapeutic Indications. Handbook of Experimental Pharmacology, 2019, 260, 187-205.	1.8	27

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37	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
38	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
39	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
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	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
42	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
43	Anticonvulsant effect of dipropofol by enhancing native GABA currents in cortical neurons in mice. Journal of Neurophysiology, 2018, 120, 1404-1414.	1.8	8
44	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
45	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
46	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
47	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
48	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
49	Activity-induced spontaneous spikes in GABAergic neurons suppress seizure discharges: an implication of computational modeling. Oncotarget, 2017, 8, 32384-32397.	1.8	11
50	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
51	Elevated Expression of Acid-Sensing Ion Channel 3 Inhibits Epilepsy via Activation of Interneurons. Molecular Neurobiology, 2016, 53, 485-498.	4.0	30
52	Synthesis and biological activities of indolizine derivatives as alpha-7 nAChR agonists. European Journal of Medicinal Chemistry, 2016, 115, 94-108.	5.5	35
53	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
54	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

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55	Different KChIPs Compete for Heteromultimeric Assembly with Pore-Forming Kv4 Subunits. Biophysical Journal, 2015, 108, 2658-2669.	0.5	11
56	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
57	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
58	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
59	The Tetramerization Domain Potentiates Kv4 Channel Function by Suppressing Closed-State Inactivation. Biophysical Journal, 2014, 107, 1090-1104.	0.5	5
60	Honokiol protects brain against ischemiaâ€“reperfusion injury in rats through disrupting PSD95â€“nNOS interaction. Brain Research, 2013, 1491, 204-212.	2.2	53
61	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
62	Heteromeric Heat-sensitive Transient Receptor Potential Channels Exhibit Distinct Temperature and Chemical Response. Journal of Biological Chemistry, 2012, 287, 7279-7288.	3.4	63
63	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
64	Negative modulation of NMDA receptor channel function by DREAM/calsenilin/KChIP3 provides neuroprotection?. Frontiers in Molecular Neuroscience, 2012, 5, 39.	2.9	7
65	Exome Sequencing Reveals Mutations in TRPV3 as a Cause of Olmsted Syndrome. American Journal of Human Genetics, 2012, 90, 558-564.	6.2	300
66	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