

Yong Chen

List of Publications by Year in descending order

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64
papers

2,826
citations

218677

26
h-index

189892

50
g-index

71
all docs

71
docs citations

71
times ranked

3601
citing authors

#	ARTICLE	IF	CITATIONS
1	Synergy between Piezo1 and Piezo2 channels confers high-strain mechanosensitivity to articular cartilage. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , 2014, 111, E5114-22.	7.1	321
2	Regulation of Pain and Itch by TRP Channels. <i>Neuroscience Bulletin</i> , 2018, 34, 120-142.	2.9	213
3	UVB radiation generates sunburn pain and affects skin by activating epidermal TRPV4 ion channels and triggering endothelin-1 signaling. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , 2013, 110, E3225-34.	7.1	208
4	Activation of TRPV1 Contributes to Morphine Tolerance: Involvement of the Mitogen-Activated Protein Kinase Signaling Pathway. <i>Journal of Neuroscience</i> , 2008, 28, 5836-5845.	3.6	147
5	A craniofacial-specific monosynaptic circuit enables heightened affective pain. <i>Nature Neuroscience</i> , 2017, 20, 1734-1743.	14.8	146
6	Transient Receptor Potential Vanilloid 4 Ion Channel Functions as a Pruriceptor in Epidermal Keratinocytes to Evoke Histaminergic Itch. <i>Journal of Biological Chemistry</i> , 2016, 291, 10252-10262.	3.4	107
7	Temporomandibular joint pain: A critical role for Trpv4 in the trigeminal ganglion. <i>Pain</i> , 2013, 154, 1295-1304.	4.2	101
8	Inflammatory signaling sensitizes Piezo1 mechanotransduction in articular chondrocytes as a pathogenic feed-forward mechanism in osteoarthritis. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , 2021, 118, .	7.1	99
9	General anesthetics activate a potent central pain-suppression circuit in the amygdala. <i>Nature Neuroscience</i> , 2020, 23, 854-868.	14.8	96
10	IL-23/IL-17A/TRPV1 axis produces mechanical pain via macrophage-sensory neuron crosstalk in female mice. <i>Neuron</i> , 2021, 109, 2691-2706.e5.	8.1	93
11	The Role of Mitogen-Activated Protein Kinase (MAPK) in Morphine Tolerance and Dependence. <i>Molecular Neurobiology</i> , 2009, 40, 101-107.	4.0	78
12	TRPV4 is necessary for trigeminal irritant pain and functions as a cellular formalin receptor. <i>Pain</i> , 2014, 155, 2662-2672.	4.2	72
13	Nitric Oxide Synthase Modulates CFA-Induced Thermal Hyperalgesia through Cytokine Regulation in Mice. <i>Molecular Pain</i> , 2010, 6, 1744-8069-6-13.	2.1	71
14	Anti-tumor activity of <i>Annona squamosa</i> seeds extract containing annonaceous acetogenin compounds. <i>Journal of Ethnopharmacology</i> , 2012, 142, 462-466.	4.1	66
15	Small molecule dual-inhibitors of TRPV4 and TRPA1 for attenuation of inflammation and pain. <i>Scientific Reports</i> , 2016, 6, 26894.	3.3	58
16	Epithelia-Sensory Neuron Cross Talk Underlies Cholestatic Itch Induced by Lysophosphatidylcholine. <i>Gastroenterology</i> , 2021, 161, 301-317.e16.	1.3	57
17	Murine Regulatory T Cells Contain Hyperproliferative and Death-Prone Subsets with Differential ICOS Expression. <i>Journal of Immunology</i> , 2012, 188, 1698-1707.	0.8	56
18	Six cytotoxic annonaceous acetogenins from <i>Annona squamosa</i> seeds. <i>Food Chemistry</i> , 2012, 135, 960-966.	8.2	55

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19	Cytotoxic Bistetrahydrofuran Annonaceous Acetogenins from the Seeds of <i>Annona squamosa</i> . Journal of Natural Products, 2011, 74, 2477-2481.	3.0	45
20	Antitumor activity of <i>Annona squamosa</i> seed oil. Journal of Ethnopharmacology, 2016, 193, 362-367.	4.1	41
21	Screening strategies for quorum sensing inhibitors in combating bacterial infections. Journal of Pharmaceutical Analysis, 2022, 12, 1-14.	5.3	38
22	TRP Channels and Pain. , 2017, , 125-148.		38
23	Activation of the nociceptin opioid system in rat sensory neurons produces antinociceptive effects in inflammatory pain: Involvement of inflammatory mediators. Journal of Neuroscience Research, 2007, 85, 1478-1488.	2.9	37
24	Triptolide exerts pro-apoptotic and cell cycle arrest activity on drug-resistant human lung cancer A549/Taxol cells via modulation of MAPK and PI3K/Akt signaling pathways. Oncology Letters, 2016, 12, 3586-3590.	1.8	33
25	Antitumor activity of annonaceous acetogenins in HepS and S180 xenografts bearing mice. Bioorganic and Medicinal Chemistry Letters, 2012, 22, 2717-2719.	2.2	28
26	Antitumor activity and toxicity relationship of annonaceous acetogenins. Food and Chemical Toxicology, 2013, 58, 394-400.	3.6	28
27	TRPV4 Moves toward Center-Fold in <i>Rosacea</i> Pathogenesis. Journal of Investigative Dermatology, 2017, 137, 801-804.	0.7	28
28	Facile Construction of i-Motif DNA-Conjugated Gold Nanostars as Near-Infrared and pH Dual-Responsive Targeted Drug Delivery Systems for Combined Cancer Therapy. Molecular Pharmaceutics, 2020, 17, 1127-1138.	4.6	28
29	Necrostatin-1 ameliorates adjuvant arthritis rat articular chondrocyte injury via inhibiting ASIC1a-mediated necroptosis. Biochemical and Biophysical Research Communications, 2018, 504, 843-850.	2.1	27
30	ASIC1a Promotes Acid-Induced Autophagy in Rat Articular Chondrocytes through the AMPK/FoxO3a Pathway. International Journal of Molecular Sciences, 2017, 18, 2125.	4.1	26
31	Metabolic profiling investigation of <i>Fritillaria thunbergii</i> Miq. by gas chromatography-mass spectrometry. Journal of Food and Drug Analysis, 2018, 26, 337-347.	1.9	26
32	Cytokine activin C ameliorates chronic neuropathic pain in peripheral nerve injury rodents by modulating the TRPV1 channel. British Journal of Pharmacology, 2020, 177, 5642-5657.	5.4	25
33	Differential Requirement of RasGRP1 for β T Cell Development and Activation. Journal of Immunology, 2012, 189, 61-71.	0.8	24
34	5-Hydroxyindolacetic Acid (5-HIAA), a Main Metabolite of Serotonin, is Responsible for Complete Freund's Adjuvant-Induced Thermal Hyperalgesia in Mice. Molecular Pain, 2011, 7, 1744-8069-7-21.	2.1	22
35	Cutaneous biodistribution of ionizable, biolabile aciclovir prodrugs after short duration topical iontophoresis: Targeted intraepidermal drug delivery. European Journal of Pharmaceutics and Biopharmaceutics, 2016, 99, 94-102.	4.3	21
36	Transient Receptor Potential (TRP) Ion Channels in Orofacial Pain. Molecular Neurobiology, 2021, 58, 2836-2850.	4.0	21

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37	Structure-activity relationships of diverse ACGs against multidrug resistant human lung cancer cell line A549/Taxol. <i>Bioorganic and Medicinal Chemistry Letters</i> , 2015, 25, 787-790.	2.2	17
38	Effects of autophagy on apoptosis of articular chondrocytes in adjuvant arthritis rats. <i>Journal of Cellular and Molecular Medicine</i> , 2019, 23, 7879-7884.	3.6	17
39	Short-duration ocular iontophoresis of ionizable aciclovir prodrugs: A new approach to treat herpes simplex infections in the anterior and posterior segments of the eye. <i>International Journal of Pharmaceutics</i> , 2018, 536, 292-300.	5.2	17
40	Repurposing cancer drugs identifies kenpauillone which ameliorates pathologic pain in preclinical models via normalization of inhibitory neurotransmission. <i>Nature Communications</i> , 2021, 12, 6208.	12.8	16
41	Lack of Evidence for Ectopic Sprouting of Genetically Labeled $\text{A}\beta^2$ Touch Afferents in Inflammatory and Neuropathic Trigeminal Pain. <i>Molecular Pain</i> , 2015, 11, s12990-015-0017.	2.1	15
42	Anti-arthritis activity of ethanol extract of <i>Claoxylon indicum</i> on Freund's complete adjuvant-induced arthritis in mice. <i>BMC Complementary and Alternative Medicine</i> , 2017, 17, 11.	3.7	15
43	Hydrogen sulfide: Recent progress and perspectives for the treatment of dermatological diseases. <i>Journal of Advanced Research</i> , 2021, 27, 11-17.	9.5	15
44	Emerging Role of Transient Receptor Potential Vanilloid 4 (TRPV4) Ion Channel in Acute and Chronic Itch. <i>International Journal of Molecular Sciences</i> , 2021, 22, 7591.	4.1	13
45	Functional coupling between TRPV4 channel and TMEM16F modulates human trophoblast fusion. <i>ELife</i> , 0, 11, .	6.0	13
46	Topical iontophoretic delivery of ionizable, biolabile aciclovir prodrugs: A rational approach to improve cutaneous bioavailability. <i>European Journal of Pharmaceutics and Biopharmaceutics</i> , 2016, 99, 103-113.	4.3	12
47	Annosquacin B induces mitochondrial apoptosis in multidrug resistant human breast cancer cell line MCF-7/ADR through selectively modulating MAPKs pathways. <i>Pharmaceutical Biology</i> , 2016, 54, 3040-3045.	2.9	10
48	Proximity hybridization-mediated isothermal exponential amplification for ultrasensitive electrochemical protein detection. <i>International Journal of Nanomedicine</i> , 2017, Volume 12, 5903-5914.	6.7	10
49	Involvement of Sensory Neurone-TRPV4 in Acute and Chronic Itch Behaviours. <i>Acta Dermato-Venereologica</i> , 2022, 102, adv00651.	1.3	10
50	Studies on anti-hepatoma activity of <i>Annona squamosa</i> L. pericarp extract. <i>Bioorganic and Medicinal Chemistry Letters</i> , 2017, 27, 1907-1910.	2.2	9
51	Controlled non-invasive iontophoretic delivery of triamcinolone acetonide amino acid ester prodrugs into the posterior segment of the eye. <i>European Journal of Pharmaceutics and Biopharmaceutics</i> , 2018, 132, 157-167.	4.3	9
52	Structure-activity relationships of diverse xanthenes against multidrug resistant human tumor cells. <i>Bioorganic and Medicinal Chemistry Letters</i> , 2017, 27, 447-449.	2.2	8
53	Determination of bullatacin in rat plasma by liquid chromatography-mass spectrometry. <i>Journal of Chromatography B: Analytical Technologies in the Biomedical and Life Sciences</i> , 2012, 897, 94-97.	2.3	6
54	Simultaneous determination of four amides in <i>Saururus chinensis</i> by matrix solid phase dispersion and high-performance liquid chromatography method. <i>Journal of Food and Drug Analysis</i> , 2018, 26, 362-368.	1.9	5

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55	Using Self-Nanoemulsifying System to Improve Oral Bioavailability of a Pediatric Antiepileptic Agent Stiripentol: Formulation and Pharmacokinetics Studies. <i>AAPS PharmSciTech</i> , 2020, 21, 192.	3.3	5
56	Tissue Levels of Flurbiprofen in the Rat Plantar Heel after Short-Duration Topical Iontophoresis Are Sufficient to Induce Pharmacodynamic Responses to Local Pain Stimuli. <i>Pharmaceutics</i> , 2020, 12, 608.	4.5	5
57	Formulation and evaluation of a montelukast sodium orally disintegrating tablet with a similar dissolution profile as the marketed product. <i>Pharmaceutical Development and Technology</i> , 2017, 22, 168-172.	2.4	4
58	Imaging observation of percutaneous compression plate use in promoting femoral neck fracture healing. <i>Journal of International Medical Research</i> , 2021, 49, 030006052110335.	1.0	4
59	SARs of ACGs against diverse human tumor cells. <i>Medicinal Chemistry Research</i> , 2015, 24, 3212-3217.	2.4	3
60	Pharmacokinetics of isoforskolin after administration via different routes in guinea pigs. <i>Xenobiotica</i> , 2016, 46, 620-626.	1.1	1
61	Determination of free amino acids and nucleosides and nucleobases in <i>Annona squamosa</i> L. fruitages from different regions in China by LC-QTRAP-MS/MS. <i>Analytical Methods</i> , 2017, 9, 3862-3869.	2.7	1
62	Three new polyketide derivatives of the endophytic fungus <i>Aspergillus cristatus</i> 2H1. <i>Journal of Asian Natural Products Research</i> , 2021, , 1-9.	1.4	1
63	Comparative pharmacokinetic study of six lignans in normal and diabetic rats after oral administration of <i>Saururus chinensis</i> extract by LC-MS/MS. <i>Biomedical Chromatography</i> , 2021, , e5253.	1.7	1
64	Effective management of acute postoperative pain using intravenous emulsions of novel ketorolac prodrugs: in vitro and in vivo evaluations. <i>European Journal of Pharmaceutical Sciences</i> , 2020, 149, 105344.	4.0	1