

Wen Tan

List of Publications by Year in Descending Order

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The third column is the impact factor (IF) of the journal, and the fourth column is the number of citations of the article.

66
papers

1,017
citations

15
h-index

30
g-index

68
ext. papers

1,253
ext. citations

4.7
avg, IF

4.45
L-index

#	Paper	IF	Citations
66	Isosteviol Sodium Ameliorates Dextran Sodium Sulfate-Induced Chronic Colitis through the Regulation of Metabolic Profiling, Macrophage Polarization, and NF- κ B Pathway.. <i>Oxidative Medicine and Cellular Longevity</i> , 2022 , 2022, 4636618	6.7	1
65	The Attenuation of Chronic Ulcerative Colitis by (R)-salbutamol in Repeated DSS-Induced Mice.. <i>Oxidative Medicine and Cellular Longevity</i> , 2022 , 2022, 9318721	6.7	1
64	Hepatocellular BChE as a therapeutic target to ameliorate hypercholesterolemia through PRMT5 selective degradation to restore LDL receptor transcription.. <i>Life Sciences</i> , 2022 , 293, 120336	6.8	2
63	(RS)-bambuterol and its enantiomers: Potential improvement of (R)-bambuterol in mice with colitis.. <i>International Immunopharmacology</i> , 2021 , 103, 108501	5.8	
62	Brain Lipid Dynamics in Amyloid Precursor Protein/Presenilin 1 Mouse Model of Early Alzheimer's Disease by Desorption Electrospray Ionization and Matrix Assisted Laser Desorption Ionization-Mass Spectrometry Imaging Techniques. <i>Journal of Proteome Research</i> , 2021 , 20, 2643-2650	5.6	5
61	Molecular cloning and characterization of an atypical butyrylcholinesterase-like protein in zebrafish. <i>Comparative Biochemistry and Physiology - B Biochemistry and Molecular Biology</i> , 2021 , 255, 110590	2.3	3
60	Therapeutic evaluation and metabolic reprogramming of isosteviol sodium in a rat model of ischemic cardiomyopathy. <i>European Journal of Pharmacology</i> , 2021 , 911, 174539	5.3	
59	Sirt3 increases CNPase enzymatic activity through deacetylation and facilitating substrate accessibility. <i>Biochemical and Biophysical Research Communications</i> , 2021 , 571, 181-187	3.4	3
58	Protective effect of isosteviol sodium against LPS-induced multiple organ injury by regulating of glycerophospholipid metabolism and reducing macrophage-driven inflammation. <i>Pharmacological Research</i> , 2021 , 172, 105781	10.2	7
57	Quantitative DESI mass spectrometry imaging of lung distribution of inhaled drug. <i>Journal of Drug Delivery Science and Technology</i> , 2021 , 66, 102794	4.5	
56	Isosteviol Sodium Exerts Anti-Colitic Effects on BALB/c Mice with Dextran Sodium Sulfate-Induced Colitis Through Metabolic Reprogramming and Immune Response Modulation.. <i>Journal of Inflammation Research</i> , 2021 , 14, 7107-7130	4.8	0
55	(R)-Salbutamol Improves Imiquimod-Induced Psoriasis-Like Skin Dermatitis by Regulating the Th17/Tregs Balance and Glycerophospholipid Metabolism. <i>Cells</i> , 2020 , 9,	7.9	7
54	Spatial Distribution of (R)-salbutamol in Rat Brain Following Nasal and Intravenous Administration Using DESI-MS. <i>Pharmaceutics</i> , 2020 , 12,	6.4	2
53	STVNa Attenuates Isoproterenol-Induced Cardiac Hypertrophy Response through the HDAC4 and Prdx2/ROS/Trx1 Pathways. <i>International Journal of Molecular Sciences</i> , 2020 , 21,	6.3	10
52	Aerosol Characteristics and Physico-Chemical Compatibility of Combivent (Containing Salbutamol and Ipratropium Bromide) Mixed with Three Other Inhalants: Budesonide, Beclomethasone or N-Acetylcysteine. <i>Pharmaceutics</i> , 2020 , 12,	6.4	4
51	Design, synthesis and biological evaluation of novel carbamates as potential inhibitors of acetylcholinesterase and butyrylcholinesterase. <i>Bioorganic and Medicinal Chemistry</i> , 2020 , 28, 115324	3.4	15
50	Effect of (R)-salbutamol on the switch of phenotype and metabolic pattern in LPS-induced macrophage cells. <i>Journal of Cellular and Molecular Medicine</i> , 2020 , 24, 722-736	5.6	12

49	Comparison of the performance of inhalation nebulizer solution and suspension delivered with active and passive vibrating-mesh device. <i>Journal of Drug Delivery Science and Technology</i> , 2020 , 55, 1013-1023	4.5	5
48	Untargeted lipidomics reveals progression of early Alzheimer's disease in APP/PS1 transgenic mice. <i>Scientific Reports</i> , 2020 , 10, 14509	4.9	17
47	Isosteviol prevents the development of isoprenaline-induced myocardial hypertrophy. <i>International Journal of Molecular Medicine</i> , 2019 , 44, 1932-1942	4.4	8
46	Effects of flow pattern, device and formulation on particle size distribution of nebulized aerosol. <i>International Journal of Pharmaceutics</i> , 2019 , 560, 35-46	6.5	8
45	Isosteviol Sodium Protects against Ischemic Stroke by Modulating Microglia/Macrophage Polarization via Disruption of GAS5/miR-146a-5p sponge. <i>Scientific Reports</i> , 2019 , 9, 12221	4.9	25
44	Isosteviol Sodium Protects Neural Cells Against Hypoxia-Induced Apoptosis Through Inhibiting MAPK and NF- κ B Pathways. <i>Journal of Stroke and Cerebrovascular Diseases</i> , 2019 , 28, 175-184	2.8	11
43	STVNa attenuates right ventricle hypertrophy and pulmonary artery remodeling in rats induced by transverse aortic constriction. <i>Biomedicine and Pharmacotherapy</i> , 2018 , 101, 371-378	7.5	8
42	Isosteviol ameliorates diabetic cardiomyopathy in rats by inhibiting ERK and NF- κ B signaling pathways. <i>Journal of Endocrinology</i> , 2018 , 238, 47-60	4.7	26
41	The investigation of protective effects of isosteviol sodium on cerebral ischemia by metabolomics approach using ultra-high-performance liquid chromatography coupled with quadrupole time-of-flight tandem mass spectrometry. <i>Biomedical Chromatography</i> , 2018 , 32, e4350	1.7	5
40	Protective role of STVNa in myocardial ischemia reperfusion injury by inhibiting mitochondrial fission. <i>Oncotarget</i> , 2018 , 9, 1898-1905	3.3	16
39	Neuroprotective effects of isosteviol sodium through increasing CYLD by the downregulation of miRNA-181b. <i>Brain Research Bulletin</i> , 2018 , 140, 392-401	3.9	16
38	Isosteviol prevents the prolongation of action potential in hypertrophied cardiomyocytes by regulating transient outward potassium and L-type calcium channels. <i>Biochimica Et Biophysica Acta - Biomembranes</i> , 2017 , 1859, 1872-1879	3.8	10
37	A new method to characterize the kinetics of cholinesterases inhibited by carbamates. <i>Journal of Pharmaceutical and Biomedical Analysis</i> , 2017 , 144, 175-182	3.5	6
36	Enantioselective analysis of bambuterol in human plasma using microwave-assisted chiral derivatization coupled with ultra high performance liquid chromatography and tandem mass spectrometry. <i>Journal of Separation Science</i> , 2017 , 40, 2779-2790	3.4	8
35	Quantitative estimation of cholinesterase-specific drug metabolism of carbamate inhibitors provided by the analysis of the area under the inhibition-time curve. <i>Journal of Pharmaceutical and Biomedical Analysis</i> , 2017 , 144, 167-174	3.5	1
34	Inhibition of rapid delayed rectifier potassium current (I _r) by ischemia/reperfusion and its recovery by vitamin E in ventricular myocytes. <i>Journal of Electrocardiology</i> , 2017 , 50, 437-443	1.4	8
33	Alterations in NO/ROS ratio and expression of Trx1 and Prdx2 in isoproterenol-induced cardiac hypertrophy. <i>Acta Biochimica Et Biophysica Sinica</i> , 2017 , 49, 1022-1028	2.8	11
32	Attenuation of ischemia/reperfusion-induced inhibition of the rapid component of delayed rectifier potassium current by Isosteviol through scavenging reactive oxygen species. <i>Biochimica Et Biophysica Acta - Biomembranes</i> , 2017 , 1859, 2447-2453	3.8	8

31	Isosteviol Sodium Protects Against Permanent Cerebral Ischemia Injury in Mice via Inhibition of NF- κ B-Mediated Inflammatory and Apoptotic Responses. <i>Journal of Stroke and Cerebrovascular Diseases</i> , 2017 , 26, 2603-2614	2.8	28
30	Design, synthesis, biological evaluation, and molecular modeling studies of chalcone-rivastigmine hybrids as cholinesterase inhibitors. <i>Bioorganic and Medicinal Chemistry</i> , 2017 , 25, 360-371	3.4	41
29	Development of a liquid formulation of poorly water-soluble isosteviol sodium using the co-solvent technology. <i>Pharmaceutical Development and Technology</i> , 2017 , 22, 275-282	3.4	7
28	Design, synthesis and biological evaluation of bambuterol analogues as novel inhibitors of butyrylcholinesterase. <i>European Journal of Medicinal Chemistry</i> , 2017 , 126, 61-71	6.8	14
27	Study of pH Stability of R-Salbutamol Sulfate Aerosol Solution and Its Antiasthmatic Effects in Guinea Pigs. <i>Biological and Pharmaceutical Bulletin</i> , 2017 , 40, 1374-1380	2.3	2
26	RADER: a RAPid DEcoy Retriever to facilitate decoy based assessment of virtual screening. <i>Bioinformatics</i> , 2017 , 33, 1235-1237	7.2	11
25	Combined Delivery of Let-7b MicroRNA and Paclitaxel via Biodegradable Nanoassemblies for the Treatment of KRAS Mutant Cancer. <i>Molecular Pharmaceutics</i> , 2016 , 13, 520-33	5.6	20
24	Chemical fragment-based CDK4/6 inhibitors prediction and web server. <i>RSC Advances</i> , 2016 , 6, 16972-16981	3.7	8
23	Effects of Temperature and Humidity on Laser Diffraction Measurements to Jet Nebulizer and Comparison with NGI. <i>AAPS PharmSciTech</i> , 2016 , 17, 380-8	3.9	13
22	Neuroprotective Effects of Isosteviol Sodium Injection on Acute Focal Cerebral Ischemia in Rats. <i>Oxidative Medicine and Cellular Longevity</i> , 2016 , 2016, 1379162	6.7	23
21	Isosteviol Sensitizes sarcoKATP Channels towards Pinacidil and Potentiates Mitochondrial Uncoupling of Diazoxide in Guinea Pig Ventricular Myocytes. <i>Oxidative Medicine and Cellular Longevity</i> , 2016 , 2016, 6362812	6.7	8
20	Comparative Analysis of Immune Repertoires between Bactrian Camel's Conventional and Heavy-Chain Antibodies. <i>PLoS ONE</i> , 2016 , 11, e0161801	3.7	27
19	Analysis of low-density lipoprotein-associated proteins using the method of digitized native protein mapping. <i>Electrophoresis</i> , 2016 , 37, 2063-74	3.6	5
18	Resolution of Rac-Bambuterol via Diastereoisomeric Salt Formation with o-Chloromandelic Acid and Differences in the Enantiomers' Pharmacodynamical Effects in Guinea Pigs and Beagles. <i>Chirality</i> , 2016 , 28, 306-12	2.1	3
17	In vivo metabolism study of (R)-bambuterol in humans using ultra high performance liquid chromatography with tandem mass spectrometry. <i>Journal of Separation Science</i> , 2016 , 39, 2896-906	3.4	1
16	R- and S-terbutaline activate large conductance and Ca dependent K (BK) channel through interacting with β and M receptor respectively. <i>Biochimica Et Biophysica Acta - Biomembranes</i> , 2016 , 1858, 2745-2752	3.8	4
15	Global mapping of rat plasma proteins with a native proteomic approach using nondenaturing micro 2DE and quantitative LC-MS/MS. <i>Electrophoresis</i> , 2016 , 37, 3126-3136	3.6	
14	The mechanisms of flavonoids inhibiting conformational transition of amyloid- β 2 monomer: a comparative molecular dynamics simulation study. <i>RSC Advances</i> , 2015 , 5, 66391-66402	3.7	25

13	Chiral analysis of bambuterol, its intermediate and active drug in human plasma by liquid chromatography-tandem mass spectrometry: Application to a pharmacokinetic study. <i>Journal of Chromatography B: Analytical Technologies in the Biomedical and Life Sciences</i> , 2015 , 997, 38-44	3.2	11
12	The Lipid-lowering Effects of R-bambuterol in Healthy Chinese Volunteers: A Randomized Phase I Clinical Study. <i>EBioMedicine</i> , 2015 , 2, 356-64	8.8	1
11	Study on the determination and chiral inversion of R-salbutamol in human plasma and urine by liquid chromatography-tandem mass spectrometry. <i>Journal of Chromatography B: Analytical Technologies in the Biomedical and Life Sciences</i> , 2015 , 1002, 218-27	3.2	14
10	Structure Activity Related, Mechanistic, and Modeling Studies of Gallotannins containing a Glucitol-Core and -Glucosidase. <i>RSC Advances</i> , 2015 , 5, 107904-107915	3.7	29
9	Proteomic analysis of cellular soluble proteins from human bronchial smooth muscle cells by combining nondenaturing micro 2DE and quantitative LC-MS/MS. 2. Similarity search between protein maps for the analysis of protein complexes. <i>Electrophoresis</i> , 2015 , 36, 1991-2001	3.6	7
8	Proteomic analysis of cellular soluble proteins from human bronchial smooth muscle cells by combining nondenaturing micro 2DE and quantitative LC-MS/MS. 1. Preparation of more than 4000 native protein maps. <i>Electrophoresis</i> , 2015 , 36, 1711-23	3.6	6
7	Comparative pharmacokinetics and bile transformation of R-enantiomer and racemic bambuterol after single-dose intravenous, oral administration in rats and beagle dogs. <i>European Journal of Drug Metabolism and Pharmacokinetics</i> , 2015 , 40, 453-60	2.7	3
6	Stereoselective inhibition of human butyrylcholinesterase by the enantiomers of bambuterol and their intermediates. <i>Drug Metabolism and Disposition</i> , 2015 , 43, 344-52	4	15
5	Oligonucleotide aptamers: new tools for targeted cancer therapy. <i>Molecular Therapy - Nucleic Acids</i> , 2014 , 3, e182	10.7	349
4	Multicenter randomized phase 2 clinical trial of a recombinant human endostatin adenovirus in patients with advanced head and neck carcinoma. <i>Molecular Therapy</i> , 2014 , 22, 1221-1229	11.7	30
3	An aerosol formulation of R-salbutamol sulfate for pulmonary inhalation. <i>Acta Pharmaceutica Sinica B</i> , 2014 , 4, 79-85	15.5	14
2	Simultaneous determination of bambuterol and its two major metabolites in human plasma by hydrophilic interaction ultra-performance liquid chromatography-tandem mass spectrometry. <i>Journal of Chromatography B: Analytical Technologies in the Biomedical and Life Sciences</i> , 2014 , 967, 225-34	3.2	9
1	A sensitive LC-MS/MS method for simultaneous determination of R-bambuterol and its active metabolite R-terbutaline in human plasma and urine with application to a clinical pharmacokinetic study. <i>Biomedical Chromatography</i> , 2014 , 28, 994-1002	1.7	19