Wen Tan

List of Publications by Year
in descending order

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67 papers	1,446 citations	393982 19 h-index	360668 35 g-index
68 all docs	68 docs citations	68 times ranked	2250 citing authors

#	Article	IF	Citations
1	Oligonucleotide Aptamers: New Tools for Targeted Cancer Therapy. Molecular Therapy - Nucleic Acids, 2014, 3, e182.	2.3	430
2	Design, synthesis, biological evaluation, and molecular modeling studies of chalcone-rivastigmine hybrids as cholinesterase inhibitors. Bioorganic and Medicinal Chemistry, 2017, 25, 360-371.	1.4	53
3	Comparative Analysis of Immune Repertoires between Bactrian Camel's Conventional and Heavy-Chain Antibodies. PLoS ONE, 2016, 11, e0161801.	1.1	49
4	Untargeted lipidomics reveals progression of early Alzheimerâ€™s disease in APP/PS1 transgenic mice. Scientific Reports, 2020, 10, 14509.	1.6	42
5	Isosteviol Sodium Protects against Ischemic Stroke by Modulating Microglia/Macrophage Polarization via Disruption of GAS5/miR-146a-5p sponge. Scientific Reports, 2019, 9, 12221.	1.6	40
6	Isosteviol ameliorates diabetic cardiomyopathy in rats by inhibiting ERK and NF-Î¹B signaling pathways. Journal of Endocrinology, 2018, 238, 47-60.	1.2	39
7	Isosteviol Sodium Protects Against Permanent Cerebral Ischemia Injury in Mice via Inhibition of NF-Î¹Bâ€“Mediated Inflammatory and Apoptotic Responses. Journal of Stroke and Cerebrovascular Diseases, 2017, 26, 2603-2614.	0.7	37
8	Multicenter Randomized Phase 2 Clinical Trial of a Recombinant Human Endostatin Adenovirus in Patients with Advanced Head and Neck Carcinoma. Molecular Therapy, 2014, 22, 1221-1229.	3.7	36
9	Structure activity related, mechanistic, and modeling studies of gallotannins containing a glucitol-core and Î±-glucosidase. RSC Advances, 2015, 5, 107904-107915.	1.7	36
10	The mechanisms of flavonoids inhibiting conformational transition of amyloid-Î²₄₂monomer: a comparative molecular dynamics simulation study. RSC Advances, 2015, 5, 66391-66402.	1.7	35
11	Protective effect of isosteviol sodium against LPS-induced multiple organ injury by regulating of glycerophospholipid metabolism and reducing macrophage-driven inflammation. Pharmacological Research, 2021, 172, 105781.	3.1	33
12	RADER: a RApid DEcoy Retriever to facilitate decoy based assessment of virtual screening. Bioinformatics, 2017, 33, 1235-1237.	1.8	28
13	Combined Delivery of Let-7b MicroRNA and Paclitaxel via Biodegradable Nanoassemblies for the Treatment of KRAS Mutant Cancer. Molecular Pharmaceutics, 2016, 13, 520-533.	2.3	27
14	Effect of (R)â€salbutamol on the switch of phenotype and metabolic pattern in LPSâ€induced macrophage cells. Journal of Cellular and Molecular Medicine, 2020, 24, 722-736.	1.6	25
15	Neuroprotective Effects of Isosteviol Sodium Injection on Acute Focal Cerebral Ischemia in Rats. Oxidative Medicine and Cellular Longevity, 2016, 2016, 1-10.	1.9	24
16	Design, synthesis and biological evaluation of novel carbamates as potential inhibitors of acetylcholinesterase and butyrylcholinesterase. Bioorganic and Medicinal Chemistry, 2020, 28, 115324.	1.4	24
17	(R)-Salbutamol Improves Imiquimod-Induced Psoriasis-Like Skin Dermatitis by Regulating the Th17/Tregs Balance and Glycerophospholipid Metabolism. Cells, 2020, 9, 511.	1.8	22
18	Study on the determination and chiral inversion of R-salbutamol in human plasma and urine by liquid chromatographyâ€“tandem mass spectrometry. Journal of Chromatography B: Analytical Technologies in the Biomedical and Life Sciences, 2015, 1002, 218-227.	1.2	21

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19	A sensitive LCâ€MS/MS method for simultaneous determination of Râ€bambuterol and its active metabolite Râ€terbutaline in human plasma and urine with application to a clinical pharmacokinetic study. Biomedical Chromatography, 2014, 28, 994-1002.	0.8	20
20	Effects of Temperature and Humidity on Laser Diffraction Measurements to Jet Nebulizer and Comparison with NGI. AAPS PharmSciTech, 2016, 17, 380-388.	1.5	20
21	Protective role of STVNa in myocardial ischemia reperfusion injury by inhibiting mitochondrial fission. Oncotarget, 2018, 9, 1898-1905.	0.8	20
22	Neuroprotective effects of isosteviol sodium through increasing CYLD by the downregulation of miRNA-181b. Brain Research Bulletin, 2018, 140, 392-401.	1.4	20
23	Isosteviol Sodium Protects Neural Cells Against Hypoxia-Induced Apoptosis Through Inhibiting MAPK and NF-ÎºB Pathways. Journal of Stroke and Cerebrovascular Diseases, 2019, 28, 175-184.	0.7	20
24	Design, synthesis and biological evaluation of bambuterol analogues as novel inhibitors of butyrylcholinesterase. European Journal of Medicinal Chemistry, 2017, 126, 61-71.	2.6	18
25	Stereoselective Inhibition of Human Butyrylcholinesterase by the Enantiomers of Bambuterol and Their Intermediates. Drug Metabolism and Disposition, 2015, 43, 344-352.	1.7	17
26	STVNa Attenuates Isoproterenol-Induced Cardiac Hypertrophy Response through the HDAC4 and Prdx2/ROS/Trx1 Pathways. International Journal of Molecular Sciences, 2020, 21, 682.	1.8	17
27	An aerosol formulation of R-salbutamol sulfate for pulmonary inhalation. Acta Pharmaceutica Sinica B, 2014, 4, 79-85.	5.7	16
28	The Attenuation of Chronic Ulcerative Colitis by (R)-salbutamol in Repeated DSS-Induced Mice. Oxidative Medicine and Cellular Longevity, 2022, 2022, 1-20.	1.9	16
29	Inhibition of rapid delayed rectifier potassium current (I Kr) by ischemia/reperfusion and its recovery by vitamin E in ventricular myocytes. Journal of Electrocardiology, 2017, 50, 437-443.	0.4	14
30	Alterations in NO/ROS ratio and expression of Trx1 and Prdx2 in isoproterenol-induced cardiac hypertrophy. Acta Biochimica Et Biophysica Sinica, 2017, 49, 1022-1028.	0.9	14
31	Brain Lipid Dynamics in Amyloid Precursor Protein/Presenilin 1 Mouse Model of Early Alzheimerâ€™s Disease by Desorption Electrospray Ionization and Matrix Assisted Laser Desorption Ionizationâ€“Mass Spectrometry Imaging Techniques. Journal of Proteome Research, 2021, 20, 2643-2650.	1.8	14
32	Simultaneous determination of bambuterol and its two major metabolites in human plasma by hydrophilic interaction ultra-performance liquid chromatographyâ€“tandem mass spectrometry. Journal of Chromatography B: Analytical Technologies in the Biomedical and Life Sciences, 2014, 967, 225-234.	1.2	12
33	Chiral analysis of bambuterol, its intermediate and active drug in human plasma by liquid chromatographyâ€“tandem mass spectrometry: Application to a pharmacokinetic study. Journal of Chromatography B: Analytical Technologies in the Biomedical and Life Sciences, 2015, 997, 38-44.	1.2	12
34	Chemical fragment-based CDK4/6 inhibitors prediction and web server. RSC Advances, 2016, 6, 16972-16981.	1.7	11
35	Isosteviol prevents the prolongation of action potential in hypertrophied cardiomyoctyes by regulating transient outward potassium and L-type calcium channels. Biochimica Et Biophysica Acta - Biomembranes, 2017, 1859, 1872-1879.	1.4	11
36	STVNa attenuates right ventricle hypertrophy and pulmonary artery remodeling in rats induced by transverse aortic constriction. Biomedicine and Pharmacotherapy, 2018, 101, 371-378.	2.5	11

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37	Effects of flow pattern, device and formulation on particle size distribution of nebulized aerosol. International Journal of Pharmaceutics, 2019, 560, 35-46.	2.6	11
38	Comparison of the performance of inhalation nebulizer solution and suspension delivered with active and passive vibrating-mesh device. Journal of Drug Delivery Science and Technology, 2020, 55, 101353.	1.4	11
39	Proteomic analysis of cellular soluble proteins from human bronchial smooth muscle cells by combining nondenaturing micro 2DE and quantitative LCâ€MS/MS. 1. Preparation of more than 4000 native protein maps. Electrophoresis, 2015, 36, 1711-1723.	1.3	9
40	Attenuation of ischemia/reperfusion-induced inhibition of the rapid component of delayed rectifier potassium current by Isosteviol through scavenging reactive oxygen species. Biochimica Et Biophysica Acta - Biomembranes, 2017, 1859, 2447-2453.	1.4	9
41	Isosteviol prevents the development of isoprenalineâ€induced myocardial hypertrophy. International Journal of Molecular Medicine, 2019, 44, 1932-1942.	1.8	9
42	Proteomic analysis of cellular soluble proteins from human bronchial smooth muscle cells by combining nondenaturing micro 2DE and quantitative LCâ€MS/MS. 2. Similarity search between protein maps for the analysis of protein complexes. Electrophoresis, 2015, 36, 1991-2001.	1.3	8
43	Isosteviol Sensitizes sarcK‹sub›ATP‹/sub›Channels towards Pinacidil and Potentiates Mitochondrial Uncoupling of Diazoxide in Guinea Pig Ventricular Myocytes. Oxidative Medicine and Cellular Longevity, 2016, 2016, 1-13.	1.9	8
44	A new method to characterize the kinetics of cholinesterases inhibited by carbamates. Journal of Pharmaceutical and Biomedical Analysis, 2017, 144, 175-182.	1.4	8
45	Enantioselective analysis of bambuterol in human plasma using microwaveâ€assisted chiral derivatization coupled with ultra high performance liquid chromatography and tandem mass spectrometry. Journal of Separation Science, 2017, 40, 2779-2790.	1.3	8
46	Development of a liquid formulation of poorly water-soluble isosteviol sodium using the co-solvent technology. Pharmaceutical Development and Technology, 2017, 22, 275-282.	1.1	8
47	Analysis of lowâ€density lipoproteinâ€associated proteins using the method of digitized native protein mapping. Electrophoresis, 2016, 37, 2063-2074.	1.3	7
48	Aerosol Characteristics and Physico-Chemical Compatibility of CombiventÂ® (Containing Salbutamol) Tj ETQq0 0 0 rgBT /Overlock 10 Tf N-Acetylcysteine. Pharmaceutics, 2020, 12, 78.	2.0	7
49	The investigation of protective effects of isosteviol sodium on cerebral ischemia by metabolomics approach using ultraâ€highâ€performance liquid chromatography coupled with quadrupole timeâ€ofâ€flight tandem mass spectrometry. Biomedical Chromatography, 2018, 32, e4350.	0.8	6
50	Isosteviol Sodium Ameliorates Dextran Sodium Sulfate-Induced Chronic Colitis through the Regulation of Metabolic Profiling, Macrophage Polarization, and NF-ÎºB Pathway. Oxidative Medicine and Cellular Longevity, 2022, 2022, 1-16.	1.9	6
51	Hepatocellular BChE as a therapeutic target to ameliorate hypercholesterolemia through PRMT5 selective degradation to restore LDL receptor transcription. Life Sciences, 2022, 293, 120336.	2.0	6
52	Isosteviol Sodium Exerts Anti-Colitic Effects on BALB/c Mice with Dextran Sodium Sulfate-Induced Colitis Through Metabolic Reprogramming and Immune Response Modulation. Journal of Inflammation Research, 2021, Volume 14, 7107-7130.	1.6	6
53	R- and S-terbutaline activate large conductance and Ca 2+ dependent K + (BK Ca) channel through interacting with Î² 2 and M receptor respectively. Biochimica Et Biophysica Acta - Biomembranes, 2016, 1858, 2745-2752.	1.4	5
54	Sirt3 increases CNPase enzymatic activity through deacetylation and facilitating substrate accessibility. Biochemical and Biophysical Research Communications, 2021, 571, 181-187.	1.0	5

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55	Spatial Distribution of (R)-salbutamol in Rat Brain Following Nasal and Intravenous Administration Using DESI-MS. Pharmaceutics, 2020, 12, 35.	2.0	4
56	Comparative pharmacokinetics and bile transformation of R-enantiomer and racemic bambuterol after single-dose intravenous, oral administration in rats and beagle dogs. European Journal of Drug Metabolism and Pharmacokinetics, 2015, 40, 453-460.	0.6	3
57	Resolution of Racâ€Bambuterol via Diastereoisomeric Salt Formation with oâ€Chloromandelic Acid and Differences in the Enantiomers' Pharmacodynamical Effects in Guinea Pigs and Beagles. Chirality, 2016, 28, 306-312.	1.3	3
58	Study of pH Stability of <i>R</i>-Salbutamol Sulfate Aerosol Solution and Its Antiasthmatic Effects in Guinea Pigs. Biological and Pharmaceutical Bulletin, 2017, 40, 1374-1380.	0.6	3
59	Molecular cloning and characterization of an atypical butyrylcholinesterase-like protein in zebrafish. Comparative Biochemistry and Physiology - B Biochemistry and Molecular Biology, 2021, 255, 110590.	0.7	3
60	Quantitative DESI mass spectrometry imaging of lung distribution of inhaled drug. Journal of Drug Delivery Science and Technology, 2021, 66, 102794.	1.4	3
61	Quantitative estimation of cholinesterase-specific drug metabolism of carbamate inhibitors provided by the analysis of the area under the inhibition-time curve. Journal of Pharmaceutical and Biomedical Analysis, 2017, 144, 167-174.	1.4	2
62	The Lipid-lowering Effects of R-bambuterol in Healthy Chinese Volunteers: A Randomized Phase I Clinical Study. EBioMedicine, 2015, 2, 356-364.	2.7	1
63	In vivo metabolism study of (R)â€bambuterol in humans using ultra high performance liquid chromatography with tandem mass spectrometry. Journal of Separation Science, 2016, 39, 2896-2906.	1.3	1
64	Protective effects of (R)-enantiomers but not (S)-enantiomers of Î²2-adrenergic receptor agonists against acute colitis: The role of Î²2AR. International Immunopharmacology, 2022, 110, 108997.	1.7	1
65	Global mapping of rat plasma proteins with a native proteomic approach using nondenaturing micro 2DE and quantitative LCâ€MS/MS. Electrophoresis, 2016, 37, 3126-3136.	1.3	0
66	Therapeutic evaluation and metabolic reprograming of isosteviol sodium in a rat model of ischemic cardiomyopathy. European Journal of Pharmacology, 2021, 911, 174539.	1.7	0
67	(RS)-bambuterol and its enantiomers: Potential improvement of (R)-bambuterol in mice with colitis. International Immunopharmacology, 2022, 103, 108501.	1.7	0