Zhigang Zhao

List of Publications by Year
in descending order

69 papers	958 citations	516681 16 h-index	552766 26 g-index
71 all docs	71 docs citations	71 times ranked	1522 citing authors

#	Article	IF	Citations
1	Correlation between white blood cell count at admission and mortality in COVID-19 patients: a retrospective study. BMC Infectious Diseases, 2021, 21, 574.	2.9	64
2	Aspirin promotes bone marrow mesenchymal stem cell-based calvarial bone regeneration in mini swine. Stem Cell Research and Therapy, 2015, 6, 210.	5.5	63
3	A Population Pharmacokinetic Model of Valproic Acid in Pediatric Patients with Epilepsy: A Non-Linear Pharmacokinetic Model Based on Protein-Binding Saturation. Clinical Pharmacokinetics, 2015, 54, 305-317.	3.5	51
4	Identification of two immortalized cell lines, ECV304 and bEnd3, for in vitro permeability studies of blood-brain barrier. PLoS ONE, 2017, 12, e0187017.	2.5	50
5	Association between the HLA-B alleles and carbamazepine-induced SJS/TEN: A meta-analysis. Epilepsy Research, 2017, 135, 19-28.	1.6	41
6	Population Pharmacokinetics of Vancomycin in Postoperative Neurosurgical Patients. Journal of Pharmaceutical Sciences, 2015, 104, 3960-3967.	3.3	36
7	Acid Sphingomyelinase-Ceramide System in Bacterial Infections. Cellular Physiology and Biochemistry, 2019, 52, 280-301.	1.6	31
8	Plasma and cerebrospinal fluid population pharmacokinetics of vancomycin in postoperative neurosurgical patients after combined intravenous and intraventricular administration. European Journal of Clinical Pharmacology, 2017, 73, 1599-1607.	1.9	29
9	Population Pharmacokinetics of High-Dose Methotrexate in Patients With Primary Central Nervous System Lymphoma. Journal of Pharmaceutical Sciences, 2018, 107, 1454-1460.	3.3	29
10	The methodology and pharmacokinetics study of intraventricular administration of vancomycin in patients with intracranial infections after craniotomy. Journal of Critical Care, 2015, 30, 218.e1-218.e5.	2.2	28
11	Population Pharmacokinetics of Vancomycin in Postoperative Neurosurgical Patients and the Application in Dosing Recommendation. Journal of Pharmaceutical Sciences, 2016, 105, 3425-3431.	3.3	26
12	Efficacy and Safety of Lomitapide in Hypercholesterolemia. American Journal of Cardiovascular Drugs, 2017, 17, 299-309.	2.2	24
13	Development and validation of an LC–MS/MS method for the determination of tigecycline in human plasma and cerebrospinal fluid and its application to a pharmacokinetic study. Biomedical Chromatography, 2016, 30, 1992-2002.	1.7	22
14	Association of thrombelastographic parameters with post-stenting ischemic events. Journal of NeuroInterventional Surgery, 2017, 9, 192-195.	3.3	22
15	Simultaneous determination of cyclosporine and tacrolimus in human whole blood by ultra-high performance liquid chromatography tandem mass spectrometry and comparison with a chemiluminescence microparticle immunoassay. Journal of Chromatography B: Analytical Technologies in the Biomedical and Life Sciences, 2018, 1087-1088, 36-42.	2.3	20
16	Effect of CYP2C19, UGT1A8, and UGT2B7 on valproic acid clearance in children with epilepsy: a population pharmacokinetic model. European Journal of Clinical Pharmacology, 2018, 74, 1029-1036.	1.9	19
17	Effects of UGT2B7, SCN1A and CYP3A4 on the therapeutic response of sodium valproate treatment in children with generalized seizures. Seizure: the Journal of the British Epilepsy Association, 2018, 58, 96-100.	2.0	18
18	Paracellular tightness and the functional expression of efflux transporters P-gp and BCRP in bEnd3 cells. Neurological Research, 2018, 40, 1-6.	1.3	18

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19	Effects of UGT1A6 and GABRA1 on Standardized Valproic Acid Plasma Concentrations and Treatment Effect in Children With Epilepsy in China. Therapeutic Drug Monitoring, 2016, 38, 738-743.	2.0	17
20	Genetic polymorphisms and valproic acid plasma concentration in children with epilepsy on valproic acid monotherapy. Seizure: the Journal of the British Epilepsy Association, 2017, 51, 22-26.	2.0	17
21	Assessment of patients&rsquo; warfarin knowledge and anticoagulation control at a joint physician- and pharmacist-managed clinic in China. Patient Preference and Adherence, 2018, Volume 12, 783-791.	1.8	17
22	Crosstalk Between Acid Sphingomyelinase and Inflammasome Signaling and Their Emerging Roles in Tissue Injury and Fibrosis. Frontiers in Cell and Developmental Biology, 2019, 7, 378.	3.7	17
23	Impact of genetic polymorphisms related to clopidogrel or acetylsalicylic acid pharmacology on clinical outcome in Chinese patients with symptomatic extracranial or intracranial stenosis. European Journal of Clinical Pharmacology, 2016, 72, 1195-1204.	1.9	16
24	Simultaneous determination of plasma methotrexate and 7-hydroxy methotrexate by UHPLCâ€"MS/MS in patients receiving high-dose methotrexate therapy. Journal of Pharmaceutical and Biomedical Analysis, 2018, 158, 300-306.	2.8	14
25	UPLC-MS/MS Analysis of Methotrexate in Human Plasma and Comparison with the Fluorescence Polarization Immunoassay. Analytical Sciences, 2017, 33, 665-670.	1.6	13
26	Effect of dipeptidyl-peptidase-4 inhibitors on C-reactive protein in patients with type 2 diabetes: a systematic review and meta-analysis. Lipids in Health and Disease, 2019, 18, 144.	3.0	13
27	Association of ABCB1 promoter methylation with aspirin exposure, platelet function, and clinical outcomes in Chinese intracranial artery stenosis patients. European Journal of Clinical Pharmacology, 2017, 73, 1261-1269.	1.9	12
28	Association of SLCO1B1 Polymorphisms and Atorvastatin Safety and Efficacy: A Meta-analysis. Current Pharmaceutical Design, 2019, 24, 4044-4050.	1.9	12
29	Population Pharmacokinetics and Dosing Simulations of Ceftazidime in Chinese Neonates. Journal of Pharmaceutical Sciences, 2018, 107, 1416-1422.	3.3	11
30	Plasma and cerebrospinal fluid population pharmacokinetic modeling and simulation of meropenem after intravenous and intrathecal administration in postoperative neurosurgical patients. Diagnostic Microbiology and Infectious Disease, 2019, 93, 386-392.	1.8	11
31	A UPLCâ€"MS/MS method for analysis of vancomycin in human cerebrospinal fluid and comparison with the chemiluminescence immunoassay. Biomedical Chromatography, 2017, 31, e3939.	1.7	10
32	RNF213 gene polymorphism rs9916351 and rs8074015 significantly associated with moyamoya disease in Chinese population. Annals of Translational Medicine, 2020, 8, 851-851.	1.7	10
33	The potential roles of Nrf2/Keap1 signaling in anticancer drug interactions. Current Research in Pharmacology and Drug Discovery, 2021, 2, 100028.	3.6	10
34	A Systematic Review of Population Pharmacokinetic Models of Methotrexate. European Journal of Drug Metabolism and Pharmacokinetics, 2022, 47, 143-164.	1.6	10
35	LC-MS/MS Analysis of Erythrocyte Thiopurine Nucleotides and Their Association With Genetic Variants in Patients With Neuromyelitis Optica Spectrum Disorders Taking Azathioprine. Therapeutic Drug Monitoring, 2017, 39, 5-12.	2.0	9
36	Factors Influencing Norvancomycin Concentration in Plasma and Cerebrospinal Fluid in Patients After Craniotomy and Dosing Guideline: A Population Approach. Clinical Therapeutics, 2018, 40, 74-82.e1.	2.5	9

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37	Population Pharmacokinetics of Combined Intravenous and Local Intrathecal Administration of Meropenem in Aneurysm Patients with Suspected Intracranial Infections After Craniotomy. European Journal of Drug Metabolism and Pharmacokinetics, 2018, 43, 45-53.	1.6	9
38	P2Y12 Polymorphisms and the Risk of Adverse Clinical Events in Patients Treated with Clopidogrel: A Meta-Analysis. Drug Research, 2019, 69, 23-31.	1.7	9
39	Pharmacokinetic interaction between shuanghuanglian and azithromycin injection: a nonlinear mixed-effects model analysis in rats. Xenobiotica, 2019, 49, 1344-1351.	1.1	9
40	Development, validation, and application of an UPLC-MS/MS method for norvancomycin analysis in human blood plasma. Journal of Chromatography B: Analytical Technologies in the Biomedical and Life Sciences, 2018, 1072, 199-204.	2.3	7
41	Ultra–High Performance Liquid Chromatography Tandem Mass Spectrometry for Cyclosporine Analysis in Human Whole Blood and Comparison With an Antibody-Conjugated Magnetic Immunoassay. Therapeutic Drug Monitoring, 2018, 40, 69-75.	2.0	7
42	An ECV304 monoculture model for permeability assessment of blood–brain barrier. Neurological Research, 2018, 40, 117-121.	1.3	7
43	<p>Association between the c.415C > T, c.52G > A, and 36_37insGGAGTC polymorphisms of NUDT 15 and thiopurine-induced leukopenia, thiopurine intolerance, and severe hair loss: an updated meta-analysis</p>. Drug Design, Development and Therapy, 2019, Volume 13, 2729-2744.	4.3	7
44	Cost-Effectiveness of Donafenib as First-Line Treatment of Unresectable Hepatocellular Carcinoma in China. Advances in Therapy, 2022, 39, 3334-3346.	2.9	7
45	Relationship between Azathioprine metabolites and therapeutic efficacy in Chinese patients with neuromyelitis optica spectrum disorders. BMC Neurology, 2017, 17, 130.	1.8	6
46	Simultaneous determination of plasma nicotine and cotinine by UHPLC–MS/MS in C57BL/6 mice and its application in a pharmacokinetic study. Biomedical Chromatography, 2019, 33, e4634.	1.7	6
47	Need for Expansion of Pharmacy Education Globally for the Growing Field of Nanomedicine. Pharmacy (Basel, Switzerland), 2022, 10, 17.	1.6	6
48	Scores based on neutrophil percentage and lactate dehydrogenase with or without oxygen saturation predict hospital mortality risk in severe COVID-19 patients. Virology Journal, 2021, 18, 67.	3.4	5
49	Simultaneous Determination of Urine Methotrexate, 7-Hydroxy Methotrexate, Deoxyaminopteroic Acid, and 7-Hydroxy Deoxyaminopteroic Acid by UHPLC-MS/MS in Patients Receiving High-dose Methotrexate Therapy. Analytical Sciences, 2020, 36, 1479-1486.	1.6	5
50	CTLA-4 Facilitates DNA Damage–Induced Apoptosis by Interacting With PP2A. Frontiers in Cell and Developmental Biology, 2022, 10, 728771.	3.7	5
51	Comparison of 6–mercaptopurine with 6–thioguanine for the analysis of thiopurine <i>S–</i>methyltransferase activity in human erythrocyte by LC–MS/MS. Biomedical Chromatography, 2017, 31, e3959.	1.7	4
52	Population pharmacokinetics of peginterferon α2a in patients with chronic hepatitis B. Scientific Reports, 2017, 7, 7893.	3.3	4
53	Evaluation of pharmacokinetic interactions between bicyclol and co-administered drugs in rat and human liver microsomes<i>in vitro</i>and in rats<i>in vivo</i>. Xenobiotica, 2019, 49, 987-994.	1.1	4
54	Predicting 1-Hour Thrombolysis Effect of r-tPA in Patients With Acute Ischemic Stroke Using Machine Learning Algorithm. Frontiers in Pharmacology, 2021, 12, 759782.	3.5	4

#	ARTICLE	IF	CITATIONS
55	Review of HPLC–MS methods for the analysis of nicotine and its active metabolite cotinine in various biological matrices. Biomedical Chromatography, 2022, , e5351.	1.7	4
56	Lack of association between valproic acid response and polymorphisms of its metabolism, transport, and receptor genes in children with focal seizures. Neurological Sciences, 2019, 40, 523-528.	1.9	3
57	Development and progress of clinical trials of Coronavirus Disease 2019 antiviral drugs. Expert Review of Clinical Pharmacology, 2020, 13, 945-956.	3.1	3
58	Methotrexate Polyglutamates Analysis by Chromatography Methods in Biological Matrices: A Review. Analytical Sciences, 2021, 37, 1655-1664.	1.6	3
59	Levels of Fibrin Degradation Products at Admission With Acute Ischemic Stroke Correlate With the NIH Stroke Scale Score 1 h After Intravenous Thrombolysis. Frontiers in Neurology, 2021, 12, 651867.	2.4	3
60	Association between TPMT*3C and decreased thiopurine S-methyltransferase activity in patients with neuromyelitis optica spectrum disorders in China. International Journal of Neuroscience, 2018, 128, 549-553.	1.6	2
61	A Systematic Review of the Efficacy and Safety of Aspirin When Delivered at Different Medication Times for the Primary and Secondary Prevention of Cardiovascular and Cerebrovascular Diseases. Therapeutic Innovation and Regulatory Science, 2020, 54, 1339-1348.	1.6	2
62	Association between SNPs and hepatotoxicity in patients with primary central nervous system lymphoma on high-dose methotrexate therapy. Journal of Pharmacy and Pharmacology, 2021, 73, 1480-1490.	2.4	2
63	Simultaneous Determination of Lamotrigine, Topiramate, Oxcarbazepine, and 10,11-dihydro-10-hydroxycarbazepine in Human Blood Plasma by UHPLC-MS/MS. Current Analytical Chemistry, 2020, 16, 1010-1021.	1.2	2
64	Simultaneous UPLC-MS/MS Determination of 6-mercaptopurine, 6-methylmercaptopurine and 6-thioguanine in Plasma: Application to the Pharmacokinetic Evaluation of Novel Dosage forms in Beagle Dogs. Current Pharmaceutical Design, 2020, 26, 6013-6020.	1.9	2
65	CYP2J2 is the major enzyme in human liver microsomes responsible for hydroxylation of SYL‐927, a novel and selective sphingosine 1‐phosphate receptor 1 (S1P$_1$) agonist. Biopharmaceutics and Drug Disposition, 2018, 39, 431-436.	1.9	1
66	The Association between Genetic Polymorphisms and Simvastatin-Induced Myopathy: A Narrative Synthesis of Evidence. Drug Research, 2019, 69, 185-193.	1.7	1
67	MTHFR C677T AND MTR A2756G POLYMORPHISMS AND THE HOMOCYSTEINE LOWERING EFFICACY OF DIFFERENT DOSES OF FOLIC ACID IN HYPERTENSIVE CHINESE ADULTS. Heart, 2012, 98, E130.2-E130.	2.9	0
68	The influence of ABCB1 and P2Y12 genetic variants on clinical outcomes in Chinese intracranial artery stenosis patients. Clinical and Experimental Pharmacology and Physiology, 2018, 45, 978-982.	1.9	0
69	Association of Brachial Ankle Pulse Wave Velocity With New Onset Stroke in Hypertensive Patients Aged Less Than 65 With Normal Fasting Glucose Among Chinese Community-Based Population. Frontiers in Endocrinology, 2021, 12, 828286.	3.5	0