

Zhigang Zhao

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

559

citations

14

h-index

20

g-index

71

ext. papers

762

ext. citations

3.2

avg, IF

3.95

L-index

#	Paper	IF	Citations
66	A Systematic Review of Population Pharmacokinetic Models of Methotrexate.. <i>European Journal of Drug Metabolism and Pharmacokinetics</i> , 2022 , 47, 143	2.7	0
65	Review of HPLC-MS methods for the analysis of nicotine and its active metabolite cotinine in various biological matrices.. <i>Biomedical Chromatography</i> , 2022 , e5351	1.7	0
64	CTLA-4 Facilitates DNA Damage-Induced Apoptosis by Interacting With PP2A.. <i>Frontiers in Cell and Developmental Biology</i> , 2022 , 10, 728771	5.7	1
63	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.. <i>Frontiers in Endocrinology</i> , 2021 , 12, 828286	5.7	
62	Predicting 1-Hour Thrombolysis Effect of r-tPA in Patients With Acute Ischemic Stroke Using Machine Learning Algorithm.. <i>Frontiers in Pharmacology</i> , 2021 , 12, 759782	5.6	1
61	Scores based on neutrophil percentage and lactate dehydrogenase with or without oxygen saturation predict hospital mortality risk in severe COVID-19 patients. <i>Virology Journal</i> , 2021 , 18, 67	6.1	2
60	Levels of Fibrin Degradation Products at Admission With Acute Ischemic Stroke Correlate With the NIH Stroke Scale Score 1 h After Intravenous Thrombolysis. <i>Frontiers in Neurology</i> , 2021 , 12, 651867	4.1	2
59	Correlation between white blood cell count at admission and mortality in COVID-19 patients: a retrospective study. <i>BMC Infectious Diseases</i> , 2021 , 21, 574	4	14
58	Association between SNPs and hepatotoxicity in patients with primary central nervous system lymphoma on high-dose methotrexate therapy. <i>Journal of Pharmacy and Pharmacology</i> , 2021 , 73, 1480-1490	4.8	1
57	The potential roles of Nrf2/Keap1 signaling in anticancer drug interactions.. <i>Current Research in Pharmacology and Drug Discovery</i> , 2021 , 2, 100028	3	3
56	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. <i>Therapeutic Innovation and Regulatory Science</i> , 2020 , 54, 1339-1348	1.2	0
55	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. <i>Analytical Sciences</i> , 2020 , 36, 1479-1486	1.7	1
54	Simultaneous Determination of Lamotrigine, Topiramate, Oxcarbazepine, and 10,11-dihydro-10-hydroxycarbazepine in Human Blood Plasma by UHPLC-MS/MS. <i>Current Analytical Chemistry</i> , 2020 , 16, 1010-1021	1.7	1
53	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. <i>Current Pharmaceutical Design</i> , 2020 , 26, 6013-6020	3.3	1
52	Development and progress of clinical trials of Coronavirus Disease 2019 antiviral drugs. <i>Expert Review of Clinical Pharmacology</i> , 2020 , 13, 945-956	3.8	2
51	RNF213 gene polymorphism rs9916351 and rs8074015 significantly associated with moyamoya disease in Chinese population. <i>Annals of Translational Medicine</i> , 2020 , 8, 851	3.2	4
50	Effect of dipeptidyl-peptidase-4 inhibitors on C-reactive protein in patients with type 2 diabetes: a systematic review and meta-analysis. <i>Lipids in Health and Disease</i> , 2019 , 18, 144	4.4	6

49	Crosstalk Between Acid Sphingomyelinase and Inflammasome Signaling and Their Emerging Roles in Tissue Injury and Fibrosis. <i>Frontiers in Cell and Developmental Biology</i> , 2019 , 7, 378	5.7	8
48	P2Y12 Polymorphisms and the Risk of Adverse Clinical Events in Patients Treated with Clopidogrel: A Meta-Analysis. <i>Drug Research</i> , 2019 , 69, 23-31	1.8	2
47	Plasma and cerebrospinal fluid population pharmacokinetic modeling and simulation of meropenem after intravenous and intrathecal administration in postoperative neurosurgical patients. <i>Diagnostic Microbiology and Infectious Disease</i> , 2019 , 93, 386-392	2.9	6
46	Simultaneous determination of plasma nicotine and cotinine by UHPLC-MS/MS in C57BL/6 mice and its application in a pharmacokinetic study. <i>Biomedical Chromatography</i> , 2019 , 33, e4634	1.7	3
45	Association between the c.415C > T, c.52G > A, and 36_37insGGAGTC polymorphisms of and thiopurine-induced leukopenia, thiopurine intolerance, and severe hair loss: an updated meta-analysis. <i>Drug Design, Development and Therapy</i> , 2019 , 13, 2729-2744	4.4	2
44	Acid Sphingomyelinase-Ceramide System in Bacterial Infections. <i>Cellular Physiology and Biochemistry</i> , 2019 , 52, 280-301	3.9	21
43	Evaluation of pharmacokinetic interactions between bicyclol and co-administered drugs in rat and human liver microsomes in vitro and in rats in vivo. <i>Xenobiotica</i> , 2019 , 49, 987-994	2	3
42	The Association between Genetic Polymorphisms and Simvastatin-Induced Myopathy: A Narrative Synthesis of Evidence. <i>Drug Research</i> , 2019 , 69, 185-193	1.8	1
41	Lack of association between valproic acid response and polymorphisms of its metabolism, transport, and receptor genes in children with focal seizures. <i>Neurological Sciences</i> , 2019 , 40, 523-528	3.5	2
40	Pharmacokinetic interaction between shuanghuanglian and azithromycin injection: a nonlinear mixed-effects model analysis in rats. <i>Xenobiotica</i> , 2019 , 49, 1344-1351	2	5
39	Effect of CYP2C19, UGT1A8, and UGT2B7 on valproic acid clearance in children with epilepsy: a population pharmacokinetic model. <i>European Journal of Clinical Pharmacology</i> , 2018 , 74, 1029-1036	2.8	9
38	Effects of UGT2B7, SCN1A and CYP3A4 on the therapeutic response of sodium valproate treatment in children with generalized seizures. <i>Seizure: the Journal of the British Epilepsy Association</i> , 2018 , 58, 96-100	3.2	12
37	Paracellular tightness and the functional expression of efflux transporters P-gp and BCRP in bEnd3 cells. <i>Neurological Research</i> , 2018 , 40, 644-649	2.7	15
36	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. <i>Journal of Chromatography B: Analytical Technologies in the Biomedical and Life Sciences</i> , 2018 , 1067-1068, 36-42	3.2	9
35	Population Pharmacokinetics of High-Dose Methotrexate in Patients With Primary Central Nervous System Lymphoma. <i>Journal of Pharmaceutical Sciences</i> , 2018 , 107, 1454-1460	3.9	18
34	Population Pharmacokinetics and Dosing Simulations of Ceftazidime in Chinese Neonates. <i>Journal of Pharmaceutical Sciences</i> , 2018 , 107, 1416-1422	3.9	7
33	Factors Influencing Norvancomycin Concentration in Plasma and Cerebrospinal Fluid in Patients After Craniotomy and Dosing Guideline: A Population Approach. <i>Clinical Therapeutics</i> , 2018 , 40, 74-82.e13-5	3.5	8
32	The influence of ABCB1 and P2Y12 genetic variants on clinical outcomes in Chinese intracranial artery stenosis patients. <i>Clinical and Experimental Pharmacology and Physiology</i> , 2018 , 45, 978	3	

31	Population Pharmacokinetics of Combined Intravenous and Local Intrathecal Administration of Meropenem in Aneurysm Patients with Suspected Intracranial Infections After Craniotomy. <i>European Journal of Drug Metabolism and Pharmacokinetics</i> , 2018 , 43, 45-53	2.7	7
30	Assessment of patients' warfarin knowledge and anticoagulation control at a joint physician- and pharmacist-managed clinic in China. <i>Patient Preference and Adherence</i> , 2018 , 12, 783-791	2.4	8
29	Simultaneous determination of plasma methotrexate and 7-hydroxy methotrexate by UHPLC-MS/MS in patients receiving high-dose methotrexate therapy. <i>Journal of Pharmaceutical and Biomedical Analysis</i> , 2018 , 158, 300-306	3.5	10
28	Association of SLCO1B1 Polymorphisms and Atorvastatin Safety and Efficacy: A Meta-analysis. <i>Current Pharmaceutical Design</i> , 2018 , 24, 4044-4050	3.3	4
27	Development, validation, and application of an UPLC-MS/MS method for norvancomycin analysis in human blood plasma. <i>Journal of Chromatography B: Analytical Technologies in the Biomedical and Life Sciences</i> , 2018 , 1072, 199-204	3.2	4
26	Association between TPMT*3C and decreased thiopurine S-methyltransferase activity in patients with neuromyelitis optica spectrum disorders in China. <i>International Journal of Neuroscience</i> , 2018 , 128, 549-553	2	1
25	Ultra-High Performance Liquid Chromatography Tandem Mass Spectrometry for Cyclosporine Analysis in Human Whole Blood and Comparison With an Antibody-Conjugated Magnetic Immunoassay. <i>Therapeutic Drug Monitoring</i> , 2018 , 40, 69-75	3.2	5
24	An ECV304 monoculture model for permeability assessment of blood-brain barrier. <i>Neurological Research</i> , 2018 , 40, 117-121	2.7	7
23	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) agonist. <i>Biopharmaceutics and Drug Disposition</i> , 2018 , 39, 431-436	1.7	0
22	Association of thrombelastographic parameters with post-stenting ischemic events. <i>Journal of NeuroInterventional Surgery</i> , 2017 , 9, 192-195	7.8	16
21	A UPLC-MS/MS method for analysis of vancomycin in human cerebrospinal fluid and comparison with the chemiluminescence immunoassay. <i>Biomedical Chromatography</i> , 2017 , 31, e3939	1.7	10
20	Comparison of 6-mercaptopurine with 6-thioguanine for the analysis of thiopurine S-methyltransferase activity in human erythrocyte by LC-MS/MS. <i>Biomedical Chromatography</i> , 2017 , 31, e3959	1.7	3
19	Efficacy and Safety of Lomitapide in Hypercholesterolemia. <i>American Journal of Cardiovascular Drugs</i> , 2017 , 17, 299-309	4	15
18	Association between the HLA-B alleles and carbamazepine-induced SJS/TEN: A meta-analysis. <i>Epilepsy Research</i> , 2017 , 135, 19-28	3	26
17	Population pharmacokinetics of peginterferon α in patients with chronic hepatitis B. <i>Scientific Reports</i> , 2017 , 7, 7893	4.9	3
16	Identification of two immortalized cell lines, ECV304 and bEnd3, for in vitro permeability studies of blood-brain barrier. <i>PLoS ONE</i> , 2017 , 12, e0187017	3.7	35
15	Relationship between Azathioprine metabolites and therapeutic efficacy in Chinese patients with neuromyelitis optica spectrum disorders. <i>BMC Neurology</i> , 2017 , 17, 130	3.1	5
14	Plasma and cerebrospinal fluid population pharmacokinetics of vancomycin in postoperative neurosurgical patients after combined intravenous and intraventricular administration. <i>European Journal of Clinical Pharmacology</i> , 2017 , 73, 1599-1607	2.8	18

13	Genetic polymorphisms and valproic acid plasma concentration in children with epilepsy on valproic acid monotherapy. <i>Seizure: the Journal of the British Epilepsy Association</i> , 2017 , 51, 22-26	3.2	11
12	Association of ABCB1 promoter methylation with aspirin exposure, platelet function, and clinical outcomes in Chinese intracranial artery stenosis patients. <i>European Journal of Clinical Pharmacology</i> , 2017 , 73, 1261-1269	2.8	6
11	LC-MS/MS Analysis of Erythrocyte Thiopurine Nucleotides and Their Association With Genetic Variants in Patients With Neuromyelitis Optica Spectrum Disorders Taking Azathioprine. <i>Therapeutic Drug Monitoring</i> , 2017 , 39, 5-12	3.2	6
10	UPLC-MS/MS Analysis of Methotrexate in Human Plasma and Comparison with the Fluorescence Polarization Immunoassay. <i>Analytical Sciences</i> , 2017 , 33, 665-670	1.7	8
9	Effects of UGT1A6 and GABRA1 on Standardized Valproic Acid Plasma Concentrations and Treatment Effect in Children With Epilepsy in China. <i>Therapeutic Drug Monitoring</i> , 2016 , 38, 738-743	3.2	12
8	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. <i>Biomedical Chromatography</i> , 2016 , 30, 1992-2002	1.7	12
7	Population Pharmacokinetics of Vancomycin in Postoperative Neurosurgical Patients and the Application in Dosing Recommendation. <i>Journal of Pharmaceutical Sciences</i> , 2016 , 105, 3425-3431	3.9	17
6	Impact of genetic polymorphisms related to clopidogrel or acetylsalicylic acid pharmacology on clinical outcome in Chinese patients with symptomatic extracranial or intracranial stenosis. <i>European Journal of Clinical Pharmacology</i> , 2016 , 72, 1195-1204	2.8	11
5	A population pharmacokinetic model of valproic acid in pediatric patients with epilepsy: a non-linear pharmacokinetic model based on protein-binding saturation. <i>Clinical Pharmacokinetics</i> , 2015 , 54, 305-17	6.2	35
4	The methodology and pharmacokinetics study of intraventricular administration of vancomycin in patients with intracranial infections after craniotomy. <i>Journal of Critical Care</i> , 2015 , 30, 218.e1-5	4	23
3	Population Pharmacokinetics of Vancomycin in Postoperative Neurosurgical Patients. <i>Journal of Pharmaceutical Sciences</i> , 2015 , 104, 3960-3967	3.9	27
2	Aspirin promotes bone marrow mesenchymal stem cell-based calvarial bone regeneration in mini swine. <i>Stem Cell Research and Therapy</i> , 2015 , 6, 210	8.3	44
1	MTHFR C677T AND MTR A2756G POLYMORPHISMS AND THE HOMOCYSTEINE LOWERING EFFICACY OF DIFFERENT DOSES OF FOLIC ACID IN HYPERTENSIVE CHINESE ADULTS. <i>Heart</i> , 2012 , 98, E130.2-E130	5.1	