

Zhigang Zhao

List of Publications by Citations

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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 | 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 |
| 65 | 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 |
| 64 | 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 |
| 63 | Population Pharmacokinetics of Vancomycin in Postoperative Neurosurgical Patients. <i>Journal of Pharmaceutical Sciences</i> , 2015 , 104, 3960-3967 | 3.9 | 27 |
| 62 | Association between the HLA-B alleles and carbamazepine-induced SJS/TEN: A meta-analysis. <i>Epilepsy Research</i> , 2017 , 135, 19-28 | 3 | 26 |
| 61 | 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 |
| 60 | Acid Sphingomyelinase-Ceramide System in Bacterial Infections. <i>Cellular Physiology and Biochemistry</i> , 2019 , 52, 280-301 | 3.9 | 21 |
| 59 | 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 |
| 58 | 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 |
| 57 | 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 |
| 56 | Association of thrombelastographic parameters with post-stenting ischemic events. <i>Journal of NeuroInterventional Surgery</i> , 2017 , 9, 192-195 | 7.8 | 16 |
| 55 | Efficacy and Safety of Lomitapide in Hypercholesterolemia. <i>American Journal of Cardiovascular Drugs</i> , 2017 , 17, 299-309 | 4 | 15 |
| 54 | 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 |
| 53 | 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 |
| 52 | 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 |
| 51 | 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 |
| 50 | 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 |

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| 49 | 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 |
| 48 | 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 |
| 47 | 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 |
| 46 | 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 |
| 45 | 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 |
| 44 | 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 , 1087-1088, 36-42 | 3.2 | 9 |
| 43 | 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 |
| 42 | 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 |
| 41 | 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 |
| 40 | 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 |
| 39 | Population Pharmacokinetics and Dosing Simulations of Ceftazidime in Chinese Neonates. <i>Journal of Pharmaceutical Sciences</i> , 2018 , 107, 1416-1422 | 3.9 | 7 |
| 38 | 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 |
| 37 | An ECV304 monoculture model for permeability assessment of blood-brain barrier. <i>Neurological Research</i> , 2018 , 40, 117-121 | 2.7 | 7 |
| 36 | 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 |
| 35 | 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 |
| 34 | 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 |
| 33 | 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 |
| 32 | 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 |

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| 31 | Pharmacokinetic interaction between shuanghuanglian and azithromycin injection: a nonlinear mixed-effects model analysis in rats. <i>Xenobiotica</i> , 2019 , 49, 1344-1351 | 2 | 5 |
| 30 | 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 |
| 29 | Association of SLCO1B1 Polymorphisms and Atorvastatin Safety and Efficacy: A Meta-analysis. <i>Current Pharmaceutical Design</i> , 2018 , 24, 4044-4050 | 3.3 | 4 |
| 28 | 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 |
| 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 | 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 |
| 25 | Population pharmacokinetics of peginterferon α in patients with chronic hepatitis B. <i>Scientific Reports</i> , 2017 , 7, 7893 | 4.9 | 3 |
| 24 | 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 |
| 23 | 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 |
| 22 | 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 |
| 21 | 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 |
| 20 | 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 |
| 19 | 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 |
| 18 | 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 |
| 17 | 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 |
| 16 | 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 |
| 15 | 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 |
| 14 | 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 |

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| 13 | 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 |
| 12 | 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 |
| 11 | 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 |
| 10 | 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 |
| 9 | 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 |
| 8 | 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 |
| 7 | 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 |
| 6 | A Systematic Review of Population Pharmacokinetic Models of Methotrexate.. <i>European Journal of Drug Metabolism and Pharmacokinetics</i> , 2022 , 47, 143 | 2.7 | 0 |
| 5 | 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 |
| 4 | 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 |
| 3 | 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 | |
| 2 | 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 | |
| 1 | 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 | |