

Hiroshi Yamazaki

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.

501 papers	12,667 citations	54 h-index	86 g-index
542 ext. papers	13,807 ext. citations	3 avg, IF	6.27 L-index

#	Paper	IF	Citations
501	Oxidation of 3-O-methoxyflavone, 4-O-methoxyflavone, and 3,4-O-dimethoxyflavone and their derivatives having 5,7-dihydroxyl moieties by human cytochromes P450 1B1 and 2A13.. <i>Xenobiotica</i> , 2022 , 1-12	2	
500	Cytochrome P450-dependent drug oxidation activities and their expression levels in liver microsomes of chimeric TK-NOG mice with humanized livers.. <i>Drug Metabolism and Pharmacokinetics</i> , 2022 , 44, 100454	2.2	3
499	Probe drug T-1032 N-oxygenation mediated by cytochrome P450 3A5 in human hepatocytes in vitro and in humanized-liver mice in vivo.. <i>Drug Metabolism and Pharmacokinetics</i> , 2022 , 44, 100453	2.2	1
498	Comparison of mouse and human cytochrome P450 mediated-drug metabolizing activities in hepatic and extrahepatic microsomes.. <i>Xenobiotica</i> , 2022 , 1-28	2	0
497	Polymorphic cytochromes P450 in non-human primates. <i>Advances in Pharmacology</i> , 2022 ,	5.7	
496	Imaging Mass Spectrometry (IMS) for drug discovery and development survey: Results on methods, applications and regulatory compliance.. <i>Drug Metabolism and Pharmacokinetics</i> , 2021 , 43, 100438	2.2	0
495	Systematic identification and characterization of cynomolgus macaque solute carrier transporters.. <i>Drug Metabolism and Pharmacokinetics</i> , 2021 , 43, 100437	2.2	
494	Roles of human cytochrome P450 1A2 in coumarin 3,4-epoxidation mediated by untreated hepatocytes and by those metabolically inactivated with furafylline in previously transplanted chimeric mice. <i>Journal of Toxicological Sciences</i> , 2021 , 46, 525-530	1.9	2
493	Cloning and tissue expression of ATP-binding cassette transporters in cynomolgus macaques.. <i>Drug Metabolism and Pharmacokinetics</i> , 2021 , 42, 100431	2.2	
492	Pharmacokinetics of primary metabolites 5-hydroxythalidomide and 5-chydroxythalidomide formed after oral administration of thalidomide in the rabbit, a thalidomide-sensitive species. <i>Journal of Toxicological Sciences</i> , 2021 , 46, 553-560	1.9	2
491	Drug-oxidizing and conjugating non-cytochrome P450 (non-P450) enzymes in cynomolgus monkeys and common marmosets as preclinical models for humans.. <i>Biochemical Pharmacology</i> , 2021 , 197, 114887	6	2
490	Pharmacokinetics of caffeine self-administered in overdose in a Japanese patient admitted to hospital. <i>Journal of Pharmaceutical Health Care and Sciences</i> , 2021 , 7, 36	1.8	1
489	Predicted Contributions of Flavin-containing Monooxygenases to the N-oxygenation of Drug Candidates Based on their Estimated Base Dissociation Constants. <i>Current Drug Metabolism</i> , 2021 , 22, 208-214	3.5	4
488	Hepatotoxicological potential of -toluic acid in humanised-liver mice investigated using simplified physiologically based pharmacokinetic models. <i>Xenobiotica</i> , 2021 , 51, 636-642	2	1
487	Differences in Hydrolase Activities in the Liver and Small Intestine between Marmosets and Humans. <i>Drug Metabolism and Disposition</i> , 2021 , 49, 718-728	4	1
486	Genetic variants of flavin-containing monooxygenase 3 (FMO3) in Japanese subjects identified by phenotyping for trimethylaminuria and found in a database of genome resources. <i>Drug Metabolism and Pharmacokinetics</i> , 2021 , 38, 100387	2.2	1
485	An improved TK-NOG mouse as a novel platform for humanized liver that overcomes limitations in both male and female animals. <i>Drug Metabolism and Pharmacokinetics</i> , 2021 , 42, 100410	2.2	6

484	Effects of polymorphic cytochrome P450 2A6 genotypes on chemoprevention against colorectal tumors in single Japanese cohort using daily low-dose aspirin: insights into future personalized treatments. <i>Journal of Pharmaceutical Health Care and Sciences</i> , 2021 , 7, 26	1.8	0
483	Liquid chromatography-tandem mass spectrometry analysis of oxidation of 2Q 3Q 4Q and 6-hydroxyflavanones by human cytochrome P450 enzymes. <i>Xenobiotica</i> , 2021 , 51, 139-154	2	3
482	Evaluation of domain of unknown function 1220 (DUF1220) for detection of human genome by quantitative polymerase chain reaction: Potential use in assessing the biodistribution of transplanted therapeutic human cells. <i>Drug Metabolism and Pharmacokinetics</i> , 2021 , 38, 100366	2.2	
481	Plasma and hepatic concentrations of acetaminophen and its primary conjugates after oral administrations determined in experimental animals and humans and extrapolated by pharmacokinetic modeling. <i>Xenobiotica</i> , 2021 , 51, 316-323	2	3
480	In vivo drug interactions of itopride and trimethylamine mediated by flavin-containing monooxygenase 3 in humanized-liver mice. <i>Drug Metabolism and Pharmacokinetics</i> , 2021 , 37, 100369	2.2	3
479	Metabolic Profiles of Tetrabromobisphenol A in Humans Extrapolated from Humanized-Liver Mouse Data Using a Simplified Physiologically Based Pharmacokinetic Model. <i>Chemical Research in Toxicology</i> , 2021 , 34, 522-528	4	5
478	Genetic variants of UDP-glucuronosyltransferases 1A1, 1A6, and 1A9 in cynomolgus and rhesus macaques. <i>Xenobiotica</i> , 2021 , 51, 115-121	2	1
477	Metabolic activation and deactivation of dietary-derived coumarin mediated by cytochrome P450 enzymes in rat and human liver preparations. <i>Journal of Toxicological Sciences</i> , 2021 , 46, 371-378	1.9	4
476	Human total clearance values and volumes of distribution of typical human cytochrome P450 2C9/19 substrates predicted by single-species allometric scaling using pharmacokinetic data sets from common marmosets genotyped for. <i>Xenobiotica</i> , 2021 , 51, 479-493	2	3
475	Pharmacokinetics of primary oxidative metabolites of thalidomide in rats and in chimeric mice humanized with different human hepatocytes. <i>Journal of Toxicological Sciences</i> , 2021 , 46, 311-317	1.9	4
474	Genetic variants of aldehyde oxidase (AOX) 1 in cynomolgus and rhesus macaques. <i>Xenobiotica</i> , 2021 , 51, 494-499	2	1
473	Differences in Pharmacokinetics and Haematotoxicities of Aniline and Its Dimethyl Derivatives Orally Administered in Rats. <i>Biological and Pharmaceutical Bulletin</i> , 2021 , 44, 1775-1780	2.3	1
472	Prediction of Input Parameters for Simplified Physiologically Based Pharmacokinetic Models for Estimating Plasma, Liver, and Kidney Exposures in Rats after Oral Doses of 246 Disparate Chemicals. <i>Chemical Research in Toxicology</i> , 2021 , 34, 507-513	4	7
471	Pharmacokinetics of duloxetine self-administered in overdose with quetiapine and other antipsychotic drugs in a Japanese patient admitted to hospital. <i>Journal of Pharmaceutical Health Care and Sciences</i> , 2021 , 7, 6	1.8	3
470	Methyl-hydroxylation and subsequent oxidation to produce carboxylic acid is the major metabolic pathway of tolbutamide in chimeric TK-NOG mice transplanted with human hepatocytes. <i>Xenobiotica</i> , 2021 , 51, 582-589	2	6
469	Roles of cytochrome P450 2A6 in the oxidation of flavone, 4-hydroxyflavone, and 4Q 3Q and 2Q-methoxyflavones by human liver microsomes. <i>Xenobiotica</i> , 2021 , 51, 995-1009	2	1
468	Feasibility of physiologically based pharmacokinetic simulations for assessing pediatric patients after accidental drug ingestion: A case study of a 1.4-year-old girl who ingested alprazolam. <i>Drug Metabolism and Pharmacokinetics</i> , 2021 , 39, 100394	2.2	3
467	Cloning, sequence analysis, and tissue expression of marmoset paraoxonase 1. <i>Drug Metabolism and Pharmacokinetics</i> , 2021 , 39, 100398	2.2	

466	Oxidative metabolism and pharmacokinetics of the EGFR inhibitor BIBX1382 in chimeric NOG-TKm30 mice transplanted with human hepatocytes. <i>Drug Metabolism and Pharmacokinetics</i> , 2021 , 41, 100419	2.2	1
465	Pharmacokinetic modeling of over-the-counter drug diphenhydramine self-administered in overdoses in Japanese patients admitted to hospital. <i>Journal of Pharmaceutical Health Care and Sciences</i> , 2021 , 7, 32	1.8	4
464	An Updated Prediction Method for Volumes of Systemic Circulation of 323 Disparate Chemicals for Use in Physiologically Based Pharmacokinetic Models to Estimate Plasma and Tissue Concentrations after Oral Doses in Rats. <i>Chemical Research in Toxicology</i> , 2021 , 34, 2180-2183	4	2
463	Pharmacokinetics of loxoprofen in a self-administered overdose in a Japanese patient admitted to hospital. <i>Journal of Pharmaceutical Health Care and Sciences</i> , 2021 , 7, 33	1.8	2
462	A series of simple detection systems for genetic variants of flavin-containing monooxygenase 3 (FMO3) with impaired function in Japanese subjects. <i>Drug Metabolism and Pharmacokinetics</i> , 2021 , 41, 100420	2.2	1
461	UDP-glucuronosyltransferase 1A4-mediated N2-glucuronidation is the major metabolic pathway of lamotrigine in chimeric NOG-TKm30 mice with humanised-livers. <i>Xenobiotica</i> , 2021 , 51, 1146-1154	2	0
460	Different substrate elimination rates of model drugs pH-dependently mediated by flavin-containing monooxygenases and cytochromes P450 in human liver microsomes. <i>Drug Metabolism and Pharmacokinetics</i> , 2021 , 40, 100412	2.2	2
459	Prediction of permeability across intestinal cell monolayers for 219 disparate chemicals using in vitro experimental coefficients in a pH gradient system and in silico analyses by trivariate linear regressions and machine learning. <i>Biochemical Pharmacology</i> , 2021 , 192, 114749	6	1
458	Metabolic profiles for the pyrrolizidine alkaloid neopetasitenine and its metabolite petasitenine in humans extrapolated from rat in vivo and in vitro data sets using a simplified physiologically based pharmacokinetic model. <i>Journal of Toxicological Sciences</i> , 2021 , 46, 391-399	1.9	2
457	Different Hepatic Concentrations of Bromobenzene, 1,2-Dibromobenzene, and 1,4-Dibromobenzene in Humanized-Liver Mice Predicted Using Simplified Physiologically Based Pharmacokinetic Models as Putative Markers of Toxicological Potential. <i>Chemical Research in Toxicology</i> , 2020 , 33, 3048-3053	4	5
456	Human Aldehyde Oxidase 1-Mediated Carbazeran Oxidation in Chimeric TK-NOG Mice Transplanted with Human Hepatocytes. <i>Drug Metabolism and Disposition</i> , 2020 , 48, 580-586	4	9
455	Predicted values for human total clearance of a variety of typical compounds with differently humanized-liver mouse plasma data. <i>Drug Metabolism and Pharmacokinetics</i> , 2020 , 35, 389-396	2.2	3
454	Novel variants in outer protein surface of flavin-containing monooxygenase 3 found in an Argentinian case with impaired capacity for trimethylamine N-oxygenation. <i>Drug Metabolism and Pharmacokinetics</i> , 2020 , 35, 383-388	2.2	1
453	Molecular cloning and tissue distribution of marmoset thiopurine S-methyltransferase. <i>Drug Metabolism and Pharmacokinetics</i> , 2020 , 35, 475-478	2.2	
452	Physiologically Based Pharmacokinetic Models Predicting Renal and Hepatic Concentrations of Industrial Chemicals after Virtual Oral Doses in Rats. <i>Chemical Research in Toxicology</i> , 2020 , 33, 1736-1751	4	18
451	Increased plasma concentrations of an antidyslipidemic drug pemafibrate co-administered with rifampicin or cyclosporine A in cynomolgus monkeys genotyped for the organic anion transporting polypeptide 1B1. <i>Drug Metabolism and Pharmacokinetics</i> , 2020 , 35, 354-360	2.2	3
450	Interleukin-1 β and tumor necrosis factor- α affect cytochrome P450 expression in cynomolgus macaque hepatocytes. <i>Drug Metabolism and Pharmacokinetics</i> , 2020 , 35, 341-343	2.2	1
449	Systematic characterization of glutathione S-transferases in common marmosets. <i>Biochemical Pharmacology</i> , 2020 , 174, 113835	6	7

448	mRNA levels of drug-metabolizing enzymes in 11 brain regions of cynomolgus macaques. <i>Drug Metabolism and Pharmacokinetics</i> , 2020 , 35, 248-252	2.2	
447	Genetic variants of N-acetyltransferases 1 and 2 (NAT1 and NAT2) in cynomolgus and rhesus macaques. <i>Biochemical Pharmacology</i> , 2020 , 177, 113996	6	4
446	Preference for -demethylation reactions in the oxidation of 2Q 3Q and 4Qmethoxyflavones by human cytochrome P450 enzymes. <i>Xenobiotica</i> , 2020 , 50, 1158-1169	2	5
445	Metabolic profiles of coumarin in human plasma extrapolated from a rat data set with a simplified physiologically based pharmacokinetic model. <i>Journal of Toxicological Sciences</i> , 2020 , 45, 695-700	1.9	6
444	Plasma, liver, and kidney exposures in rats after oral doses of industrial chemicals predicted using physiologically based pharmacokinetic models: A case study of perfluorooctane sulfonic acid. <i>Journal of Toxicological Sciences</i> , 2020 , 45, 763-767	1.9	3
443	Different Effects of Polymorphic Flavin-Containing Monooxygenase 3 and Cytochrome P450 2A6 Activities on an Index of Arteriosclerosis as a Lifestyle-Related Disease in a General Population in Japan. <i>Current Drug Metabolism</i> , 2020 , 21, 1161-1164	3.5	1
442	Determination and prediction of permeability across intestinal epithelial cell monolayer of a diverse range of industrial chemicals/drugs for estimation of oral absorption as a putative marker of hepatotoxicity. <i>Toxicology Reports</i> , 2020 , 7, 149-154	4.8	17
441	Expression levels of microRNAs that are potential cytochrome P450 regulators in cynomolgus macaques. <i>Xenobiotica</i> , 2020 , 50, 747-752	2	1
440	Metabolism of desloratadine by chimeric TK-NOG mice transplanted with human hepatocytes. <i>Xenobiotica</i> , 2020 , 50, 733-740	2	10
439	Different Roles of Human Cytochrome P450 2C9 and 3A Enzymes in Diclofenac 4Qand 5-Hydroxylations Mediated by Metabolically Inactivated Human Hepatocytes in Previously Transplanted Chimeric Mice. <i>Chemical Research in Toxicology</i> , 2020 , 33, 634-639	4	3
438	Plasma concentrations of pemaflibrate with co-administered drugs predicted by physiologically based pharmacokinetic modeling in virtual populations with renal/hepatic impairment. <i>Xenobiotica</i> , 2020 , 50, 1023-1031	2	2
437	Cloning and tissue expression of cytochrome P450 2S1, 4V2, 7A1, 7B1, 8B1, 24A1, 26A1, 26C1, 27A1, 39A1, and 51A1 in marmosets. <i>Drug Metabolism and Pharmacokinetics</i> , 2020 , 35, 244-247	2.2	1
436	Molecular characterization of functional UDP-glucuronosyltransferases 1A and 2B in common marmosets. <i>Biochemical Pharmacology</i> , 2020 , 172, 113748	6	8
435	The marmoset cytochrome P450 superfamily: Sequence/phylogenetic analyses, genomic structure, and catalytic function. <i>Biochemical Pharmacology</i> , 2020 , 171, 113721	6	7
434	Prediction of circulating human metabolites of pemaflibrate, a novel antidyslipidemic drug, using chimeric mice with humanized liver. <i>Xenobiotica</i> , 2020 , 50, 769-775	2	4
433	Pharmacokinetics of anticoagulant edoxaban in overdose in a Japanese patient transported to hospital. <i>Journal of Pharmaceutical Health Care and Sciences</i> , 2020 , 6, 20	1.8	5
432	Expression of functional sulfotransferases (SULT) 1A1, 1A3, 1B1, 1C2, 1E1, and 2A1 in common marmosets. <i>Biochemical Pharmacology</i> , 2020 , 180, 114189	6	3
431	Regional distributions of UDP-glucuronosyltransferase activities toward estradiol and serotonin in the liver and small intestine of cynomolgus macaques. <i>Drug Metabolism and Pharmacokinetics</i> , 2020 , 35, 401-404	2.2	

430	Modelled plasma concentrations of pemafibrate with co-administered typical cytochrome P450 inhibitors clopidogrel, fluconazole or clarithromycin predicted by physiologically based pharmacokinetic modelling in virtual populations. <i>Xenobiotica</i> , 2020 , 50, 1413-1422	2	
429	Human plasma concentration-time profiles of troglitazone and troglitazone sulfate simulated by in vivo experiments with chimeric mice with humanized livers and semi-physiological pharmacokinetic modeling. <i>Drug Metabolism and Pharmacokinetics</i> , 2020 , 35, 505-514	2.2	1
428	Molecular cloning, sequence analysis, and tissue distribution of marmoset monoamine oxidases A and B. <i>Drug Metabolism and Pharmacokinetics</i> , 2020 , 35, 479-482	2.2	1
427	Molecular characterization of UDP-glucuronosyltransferases 3A and 8A in cynomolgus macaques. <i>Drug Metabolism and Pharmacokinetics</i> , 2020 , 35, 397-400	2.2	1
426	Trimethylamine N-oxygenation in cynomolgus macaques genotyped for flavin-containing monooxygenase 3 (FMO3). <i>Drug Metabolism and Pharmacokinetics</i> , 2020 , 35, 571-573	2.2	1
425	Simple pharmacokinetic models accounting for drug monitoring results of atomoxetine and its 4-hydroxylated metabolites in Japanese pediatric patients genotyped for cytochrome P450 2D6. <i>Drug Metabolism and Pharmacokinetics</i> , 2020 , 35, 191-200	2.2	4
424	Predicting successful/unsuccessful extrapolation for in vivo total clearance of model compounds with a variety of hepatic intrinsic metabolism and protein bindings in humans from pharmacokinetic data using chimeric mice with humanised liver. <i>Xenobiotica</i> , 2020 , 50, 526-535	2	4
423	Functional characterization for polymorphic organic anion transporting polypeptides (OATP/SLCO1B1, 1B3, 2B1) of monkeys recombinantly expressed with various OATP probes. <i>Biopharmaceutics and Drug Disposition</i> , 2019 , 40, 62-69	1.7	7
422	Survey of Drug Oxidation Activities in Hepatic and Intestinal Microsomes of Individual Common Marmosets, a New Nonhuman Primate Animal Model. <i>Current Drug Metabolism</i> , 2019 , 20, 103-113	3.5	6
421	Molecular and functional characterization of cytosolic sulfotransferases in cynomolgus macaque. <i>Biochemical Pharmacology</i> , 2019 , 166, 153-162	6	6
420	Functional and molecular characterization of UDP-glucuronosyltransferase 2 family in cynomolgus macaques. <i>Biochemical Pharmacology</i> , 2019 , 163, 335-344	6	10
419	Inhibitory effects of antihypertensive drugs on human cytochrome P450 2J2 activity: Potent inhibition by azelnidipine and manidipine. <i>Chemico-Biological Interactions</i> , 2019 , 306, 1-9	5	9
418	Oxidation of Flavone, 5-Hydroxyflavone, and 5,7-Dihydroxyflavone to Mono-, Di-, and Tri-Hydroxyflavones by Human Cytochrome P450 Enzymes. <i>Chemical Research in Toxicology</i> , 2019 , 32, 1268-1280	4	7
417	Site-specific oxidation of flavanone and flavone by cytochrome P450 2A6 in human liver microsomes. <i>Xenobiotica</i> , 2019 , 49, 791-802	2	9
416	Suitable albumin concentrations for enhanced drug oxidation activities mediated by human liver microsomal cytochrome P450 2C9 and other forms predicted with unbound fractions and partition/distribution coefficients of model substrates. <i>Xenobiotica</i> , 2019 , 49, 557-562	2	7
415	Expression and inducibility of cytochrome P450s in human hepatocytes isolated from chimeric mice with humanised livers. <i>Xenobiotica</i> , 2019 , 49, 678-687	2	9
414	In vivo multiple metabolic pathways for a novel G protein-coupled receptor 119 agonist DS-8500a in rats: involvement of the 1,2,4-oxadiazole ring-opening reductive reaction in livers under anaerobic conditions. <i>Xenobiotica</i> , 2019 , 49, 961-969	2	2
413	In vivo hepatic clearance of lipophilic drugs predicted by in vitro uptake data into cryopreserved hepatocytes suspended in sera of rats, guinea pigs, monkeys and humans. <i>Xenobiotica</i> , 2019 , 49, 887-894		3

412	Human urinary concentrations of monoisononyl phthalate estimated using physiologically based pharmacokinetic modeling and experimental pharmacokinetics in humanized-liver mice orally administered with diisononyl phthalate. <i>Xenobiotica</i> , 2019 , 49, 513-520	2	6
411	Human plasma and liver concentrations of styrene estimated by combining a simple physiologically based pharmacokinetic model with rodent data. <i>Journal of Toxicological Sciences</i> , 2019 , 44, 543-548	1.9	8
410	Genetic variants of flavin-containing monooxygenase 3 (FMO3) derived from Japanese subjects with the trimethylaminuria phenotype and whole-genome sequence data from a large Japanese database. <i>Drug Metabolism and Pharmacokinetics</i> , 2019 , 34, 334-339	2.2	7
409	Comparison of Steroid Hormone Hydroxylations by and Docking to Human Cytochromes P450 3A4 and 3A5. <i>Journal of Pharmacy and Pharmaceutical Sciences</i> , 2019 , 22, 332-339	3.4	7
408	Adult and infant pharmacokinetic profiling of dihydrocodeine using physiologically based pharmacokinetic modeling. <i>Biopharmaceutics and Drug Disposition</i> , 2019 , 40, 350-357	1.7	5
407	Extrapolation of Hepatic Concentrations of Industrial Chemicals Using Pharmacokinetic Models to Predict Hepatotoxicity. <i>Toxicological Research</i> , 2019 , 35, 295-301	3.7	2
406	Functionally relevant genetic variants of glutathione S-transferase GSTM5 in cynomolgus and rhesus macaques. <i>Xenobiotica</i> , 2019 , 49, 995-1000	2	6
405	Pharmacokinetics of anticoagulants apixaban, dabigatran, edoxaban and rivaroxaban in elderly Japanese patients with atrial fibrillation treated in one general hospital. <i>Xenobiotica</i> , 2019 , 49, 1001-1006	2	3
404	Non-synonymous genetic variants of flavin-containing monooxygenase 3 (FMO3) in cynomolgus macaques. <i>Drug Metabolism and Pharmacokinetics</i> , 2019 , 34, 104-107	2.2	5
403	Predictability of human pharmacokinetics of diisononyl phthalate (DINP) using chimeric mice with humanized liver. <i>Xenobiotica</i> , 2019 , 49, 1311-1322	2	0
402	Regioselective hydroxylation of an antiarrhythmic drug, propafenone, mediated by rat liver cytochrome P450 2D2 differs from that catalyzed by human P450 2D6. <i>Xenobiotica</i> , 2019 , 49, 1323-1331 ²		5
401	Prediction of Human Distribution Volumes of Compounds in Various Elimination Phases Using Physiologically Based Pharmacokinetic Modeling and Experimental Pharmacokinetics in Animals. <i>Drug Metabolism and Disposition</i> , 2019 , 47, 114-123	4	10
400	Steady-State Human Pharmacokinetics of Monobutyl Phthalate Predicted by Physiologically Based Pharmacokinetic Modeling Using Single-Dose Data from Humanized-Liver Mice Orally Administered with Dibutyl Phthalate. <i>Chemical Research in Toxicology</i> , 2019 , 32, 333-340	4	13
399	Novel variants and haplotypes of human gene associated with Japanese subjects suffering from trimethylaminuria. <i>Xenobiotica</i> , 2019 , 49, 1244-1250	2	6
398	Pharmacokinetics and metabolism of pemafibrate, a novel selective peroxisome proliferator-activated receptor- α modulator, in rats and monkeys. <i>Biopharmaceutics and Drug Disposition</i> , 2019 , 40, 12-17	1.7	8
397	Plasma and Hepatic Concentrations of Chemicals after Virtual Oral Administrations Extrapolated Using Rat Plasma Data and Simple Physiologically Based Pharmacokinetic Models. <i>Chemical Research in Toxicology</i> , 2019 , 32, 211-218	4	30
396	Expression and metabolic activity of flavin-containing monooxygenase 1 in cynomolgus macaque kidney. <i>Journal of Medical Primatology</i> , 2019 , 48, 51-53	0.7	1
395	Marmoset cytochrome P450 2B6, a propofol hydroxylase expressed in liver. <i>Xenobiotica</i> , 2019 , 49, 265-269		5

394	Prediction of human pharmacokinetics of typical compounds by a physiologically based method using chimeric mice with humanized liver. <i>Xenobiotica</i> , 2019 , 49, 404-414	2	13
393	Importance of cynomolgus monkeys in development of monoclonal antibody drugs. <i>Drug Metabolism and Pharmacokinetics</i> , 2019 , 34, 55-63	2.2	20
392	Cytochrome P450 2A6 and other human P450 enzymes in the oxidation of flavone and flavanone. <i>Xenobiotica</i> , 2019 , 49, 131-142	2	12
391	Polymorphisms of cytochrome P450 2B6 (CYP2B6) in cynomolgus and rhesus macaques. <i>Journal of Medical Primatology</i> , 2018 , 47, 232	0.7	
390	In vivo and in vitro diclofenac 5-hydroxylation mediated primarily by cytochrome P450 3A enzymes in common marmoset livers genotyped for P450 2C19 variants. <i>Biochemical Pharmacology</i> , 2018 , 152, 272-278	6	10
389	Genetic polymorphisms of drug-metabolizing cytochrome P450 enzymes in cynomolgus and rhesus monkeys and common marmosets in preclinical studies for humans. <i>Biochemical Pharmacology</i> , 2018 , 153, 184-195	6	13
388	Chimeric mice with humanized liver as a model for testing organophosphate and carbamate pesticide exposure. <i>Pest Management Science</i> , 2018 , 74, 1424-1430	4.6	11
387	Terfenadine t-butyl hydroxylation catalyzed by human and marmoset cytochrome P450 3A and 4F enzymes in livers and small intestines. <i>Xenobiotica</i> , 2018 , 48, 342-347	2	4
386	Human plasma metabolic profiles of benzydamine, a flavin-containing monooxygenase probe substrate, simulated with pharmacokinetic data from control and humanized-liver mice. <i>Xenobiotica</i> , 2018 , 48, 117-123	2	8
385	Oxidation of 1-chloropyrene by human CYP1 family and CYP2A subfamily cytochrome P450 enzymes: catalytic roles of two CYP1B1 and five CYP2A13 allelic variants. <i>Xenobiotica</i> , 2018 , 48, 565-575 ²		10
384	Marmoset pulmonary cytochrome P450 2F1 oxidizes biphenyl and 7-ethoxycoumarin and hepatic human P450 substrates. <i>Xenobiotica</i> , 2018 , 48, 656-662	2	6
383	Effects of aging and rifampicin pretreatment on the pharmacokinetics of human cytochrome P450 probes caffeine, warfarin, omeprazole, metoprolol and midazolam in common marmosets genotyped for cytochrome P450 2C19. <i>Xenobiotica</i> , 2018 , 48, 720-726	2	9
382	Association with polymorphic marmoset cytochrome P450 2C19 of in vivo hepatic clearances of chirally separated R-omeprazole and S-warfarin using individual marmoset physiologically based pharmacokinetic models. <i>Xenobiotica</i> , 2018 , 48, 1072-1077	2	7
381	Molecular cloning and tissue distribution of a novel marmoset ABC transporter. <i>Biopharmaceutics and Drug Disposition</i> , 2018 , 39, 59-63	1.7	2
380	Expression of cytochrome P450 regulators in cynomolgus macaque. <i>Xenobiotica</i> , 2018 , 48, 695-703	2	3
379	Molecular and functional characterization of UDP-glucuronosyltransferase 1A in cynomolgus macaques. <i>Biochemical Pharmacology</i> , 2018 , 155, 172-181	6	9
378	Association of pharmacokinetic profiles of lenalidomide in human plasma simulated using pharmacokinetic data in humanized-liver mice with liver toxicity detected by human serum albumin RNA. <i>Journal of Toxicological Sciences</i> , 2018 , 43, 369-375	1.9	7
377	Improved Intranasal Retentivity and Transnasal Absorption Enhancement by PEGylated Poly-L-ornithine. <i>Pharmaceutics</i> , 2018 , 11,	5.2	8

376	Cytochrome P450-dependent drug oxidation activities in commercially available hepatocytes derived from human induced pluripotent stem cells cultured for 3 weeks. <i>Journal of Toxicological Sciences</i> , 2018 , 43, 241-245	1.9	6
375	Collaborative Method Performance Study of the Measurement of Nicotine, Its Metabolites, and Total Nicotine Equivalents in Human Urine. <i>Cancer Epidemiology Biomarkers and Prevention</i> , 2018 , 27, 1083-1090	4	12
374	Human plasma concentrations of trimethylamine N-oxide extrapolated using pharmacokinetic modeling based on metabolic profiles of deuterium-labeled trimethylamine in humanized-liver mice. <i>Journal of Toxicological Sciences</i> , 2018 , 43, 387-393	1.9	4
373	In vivo Analysis of the Anti-atrial Fibrillatory, Proarrhythmic and Cardiodepressive Profiles of Dronedarone as a Guide for Safety Pharmacological Evaluation of Antiarrhythmic Drugs. <i>Cardiovascular Toxicology</i> , 2018 , 18, 242-251	3.4	6
372	Assessment of multiple cytochrome P450 activities in metabolically inactivated human liver microsomes and roles of P450 2C isoforms in reaction phenotyping studies. <i>Biopharmaceutics and Drug Disposition</i> , 2018 , 39, 116-121	1.7	5
371	Progesterone hydroxylation by cytochromes P450 2C and 3A enzymes in marmoset liver microsomes. <i>Xenobiotica</i> , 2018 , 48, 757-763	2	5
370	R-warfarin clearances from plasma associated with polymorphic cytochrome P450 2C19 and simulated by individual physiologically based pharmacokinetic models for 11 cynomolgus monkeys. <i>Xenobiotica</i> , 2018 , 48, 206-210	2	8
369	Cytochrome P450 1A1, 2C9, 2C19, and 3A4 Polymorphisms Account for Interindividual Variability of Toxicological Drug Metabolism in Cynomolgus Macaques. <i>Chemical Research in Toxicology</i> , 2018 , 31, 1374-1381	4	7
368	Molecular and Functional Characterization of N-Acetyltransferases NAT1 and NAT2 in Cynomolgus Macaque. <i>Chemical Research in Toxicology</i> , 2018 , 31, 1269-1276	4	9
367	Genetic Variants of Glutathione S-Transferase GSTT1 and GSTT2 in Cynomolgus Macaques: Identification of GSTT Substrates and Functionally Relevant Alleles. <i>Chemical Research in Toxicology</i> , 2018 , 31, 1086-1091	4	6
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362	Molecular Cloning and Characterization of Marmoset Aldehyde Oxidase. <i>Drug Metabolism and Disposition</i> , 2017 , 45, 883-886	4	7
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352	Differences in Toxicological and Pharmacological Responses Mediated by Polymorphic Cytochromes P450 and Related Drug-Metabolizing Enzymes. <i>Chemical Research in Toxicology</i> , 2017 , 30, 53-60	4	5
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240	CYP3A4 intron 6 C>T polymorphism (CYP3A4*22) is associated with reduced CYP3A4 protein level and function in human liver microsomes. <i>Journal of Toxicological Sciences</i> , 2013 , 38, 349-54	1.9	55
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238	Effects of ADH1C, ALDH2, and CYP2A6 Polymorphisms on Individual Risk of Tobacco-Related Lung Cancer in Male Japanese Smokers. <i>Journal of Cancer Therapy</i> , 2013 , 04, 29-35	0.2	5
237	Drug Interactions Mediated by Drug-Metabolizing Enzymes. <i>Japanese Journal of Clinical Pharmacology and Therapeutics</i> , 2013 , 44, 470-472	0	
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224	Comparison of cytochrome P450 2C subfamily members in terms of drug oxidation rates and substrate inhibition. <i>Current Drug Metabolism</i> , 2012 , 13, 1145-59	3.5	16
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