

# Makiko Shimizu

## List of Publications by Year in descending order

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161  
papers

2,936  
citations

186254

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243610

44  
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165  
all docs

165  
docs citations

165  
times ranked

2929  
citing authors

#	ARTICLE	IF	CITATIONS
1	Genomic Landscape of Esophageal Squamous Cell Carcinoma in a Japanese Population. <i>Gastroenterology</i> , 2016, 150, 1171-1182.	1.3	265
2	Roles of CYP3A4 and CYP2C19 in methyl hydroxylated and N-oxidized metabolite formation from voriconazole, a new anti-fungal agent, in human liver microsomes. <i>Biochemical Pharmacology</i> , 2007, 73, 2020-2026.	4.4	119
3	The 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, 349-354.	1.5	70
4	Oral L-Carnitine Supplementation Increases Trimethylamine-N-oxide but Reduces Markers of Vascular Injury in Hemodialysis Patients. <i>Journal of Cardiovascular Pharmacology</i> , 2015, 65, 289-295.	1.9	65
5	Transient trimethylaminuria related to menstruation. <i>BMC Medical Genetics</i> , 2007, 8, 2.	2.1	62
6	Survey of variants of human flavin-containing monooxygenase 3 (FMO3) and their drug oxidation activities. <i>Biochemical Pharmacology</i> , 2013, 85, 1588-1593.	4.4	61
7	<i>Eubacterium limosum</i> ameliorates experimental colitis and metabolite of microbe attenuates colonic inflammatory action with increase of mucosal integrity. <i>World Journal of Gastroenterology</i> , 2006, 12, 1071.	3.3	59
8	Effect of Genetic Variants of the Human Flavin-Containing Monooxygenase 3 on N- and S-Oxygenation Activities. <i>Drug Metabolism and Disposition</i> , 2007, 35, 328-330.	3.3	55
9	Potential impact of cytochrome P450 3A5 in human liver on drug interactions with triazoles. <i>British Journal of Clinical Pharmacology</i> , 2010, 69, 593-597.	2.4	52
10	Human Liver Microsomal Cytochrome P450 3A Enzymes Involved in Thalidomide 5-Hydroxylation and Formation of a Glutathione Conjugate. <i>Chemical Research in Toxicology</i> , 2010, 23, 1018-1024.	3.3	46
11	Human Blood Concentrations of Cotinine, a Biomonitoring Marker for Tobacco Smoke, Extrapolated from Nicotine Metabolism in Rats and Humans and Physiologically Based Pharmacokinetic Modeling. <i>International Journal of Environmental Research and Public Health</i> , 2010, 7, 3406-3421.	2.6	45
12	Drug Interactions of Thalidomide with Midazolam and Cyclosporine A: Heterotropic Cooperativity of Human Cytochrome P450 3A5. <i>Drug Metabolism and Disposition</i> , 2009, 37, 18-23.	3.3	43
13	In Vivo Formation of Dihydroxylated and Glutathione Conjugate Metabolites Derived from Thalidomide and 5-Hydroxythalidomide in Humanized TK-NOG Mice. <i>Chemical Research in Toxicology</i> , 2012, 25, 274-276.	3.3	43
14	Stop codon mutations in the flavin-containing monooxygenase 3 (FMO3) gene responsible for trimethylaminuria in a Japanese population. <i>Molecular Genetics and Metabolism</i> , 2007, 90, 58-63.	1.1	41
15	Cytochrome P450-dependent Drug Oxidation Activity of Liver Microsomes from Microminipigs, A Possible New Animal Model for Humans in Non-clinical Studies. <i>Drug Metabolism and Pharmacokinetics</i> , 2009, 24, 404-408.	2.2	41
16	Drug oxygenation activities mediated by liver microsomal flavin-containing monooxygenases 1 and 3 in humans, monkeys, rats, and minipigs. <i>Biochemical Pharmacology</i> , 2014, 90, 159-165.	4.4	41
17	Novel Marmoset Cytochrome P450 2C19 in Livers Efficiently Metabolizes Human P450 2C9 and 2C19 Substrates, Warfarin, Tolbutamide, Flurbiprofen, and Omeprazole. <i>Drug Metabolism and Disposition</i> , 2015, 43, 1408-1416.	3.3	41
18	Genetic Polymorphism of the Flavin-Containing Monooxygenase 3 (FMO3) Associated with Trimethylaminuria (Fish Odor Syndrome): Observations from Japanese Patients. <i>Current Drug Metabolism</i> , 2007, 8, 487-491.	1.2	36

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19	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.	3.3	36
20	Benzydamine N-oxygenation as an index for flavin-containing monooxygenase activity and benzydamine N-demethylation by cytochrome P450 enzymes in liver microsomes from rats, dogs, monkeys, and humans. <i>Drug Metabolism and Pharmacokinetics</i> , 2015, 30, 64-69.	2.2	35
21	Combining Chimeric Mice with Humanized Liver, Mass Spectrometry, and Physiologically-Based Pharmacokinetic Modeling in Toxicology. <i>Chemical Research in Toxicology</i> , 2016, 29, 1903-1911.	3.3	35
22	Molecular evolution and balancing selection in the flavin-containing monooxygenase 3 gene (FMO3). <i>Pharmacogenetics and Genomics</i> , 2007, 17, 827-839.	1.5	33
23	Individual Differences in Pharmacokinetics and Pharmacodynamics of Anesthetic Agent Propofol with Regard to CYP2B6 and UGT1A9 Genotype and Patient Age. <i>Drug Metabolism and Pharmacokinetics</i> , 2011, 26, 532-537.	2.2	33
24	Simultaneous pharmacokinetics assessment of caffeine, warfarin, omeprazole, metoprolol, and midazolam intravenously or orally administered to Microminipigs. <i>Journal of Toxicological Sciences</i> , 2012, 37, 1157-1164.	1.5	33
25	<i>In Vivo</i> Formation of a Glutathione Conjugate Derived from Thalidomide in Humanized uPA-NOG Mice. <i>Chemical Research in Toxicology</i> , 2011, 24, 287-289.	3.3	32
26	Human plasma concentrations of cytochrome P450 probe cocktails extrapolated from pharmacokinetics in mice transplanted with human hepatocytes and from pharmacokinetics in common marmosets using physiologically based pharmacokinetic modeling. <i>Xenobiotica</i> , 2016, 46, 1049-1055.	1.1	31
27	Qualitative De Novo Analysis of Full Length cDNA and Quantitative Analysis of Gene Expression for Common Marmoset ( <i>Callithrix jacchus</i> ) Transcriptomes Using Parallel Long-Read Technology and Short-Read Sequencing. <i>PLoS ONE</i> , 2014, 9, e100936.	2.5	29
28	Limited effects of frequent CYP2D6*36-*10 tandem duplication allele on in vivo dextromethorphan metabolism in a Japanese population. <i>European Journal of Clinical Pharmacology</i> , 2010, 66, 1065-1068.	1.9	28
29	Biomonitoring of Urinary Cotinine Concentrations Associated with Plasma Levels of Nicotine Metabolites after Daily Cigarette Smoking in a Male Japanese Population. <i>International Journal of Environmental Research and Public Health</i> , 2010, 7, 2953-2964.	2.6	28
30	Molecular and functional characterization of flavin-containing monooxygenases in cynomolgus macaque. <i>Biochemical Pharmacology</i> , 2013, 85, 1837-1847.	4.4	28
31	Plasma concentrations of melengestrol acetate in humans extrapolated from the pharmacokinetics established in in vivo experiments with rats and chimeric mice with humanized liver and physiologically based pharmacokinetic modeling. <i>Regulatory Toxicology and Pharmacology</i> , 2013, 65, 316-324.	2.7	28
32	Thalidomide Increases Human Hepatic Cytochrome P450 3A Enzymes by Direct Activation of the Pregnane X Receptor. <i>Chemical Research in Toxicology</i> , 2014, 27, 304-308.	3.3	28
33	Rat Cytochrome P450 2C11 in Liver Microsomes Involved in Oxidation of Anesthetic Agent Propofol and Deactivated by Prior Treatment with Propofol. <i>Drug Metabolism and Disposition</i> , 2006, 34, 1803-1805.	3.3	27
34	Inter-individual Variation in Flavin-containing Monooxygenase 3 in Livers from Japanese: Correlation with Hepatic Transcription Factors. <i>Drug Metabolism and Pharmacokinetics</i> , 2009, 24, 218-225.	2.2	27
35	Evaluation of 23 Lots of Commercially Available Cryopreserved Hepatocytes for Induction Assays of Human Cytochromes P450. <i>Drug Metabolism and Disposition</i> , 2014, 42, 867-871.	3.3	27
36	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.	3.3	27

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37	Marmoset cytochrome P450 2D8 in livers and small intestines metabolizes typical human P450 2D6 substrates, metoprolol, bufuralol and dextromethorphan. <i>Xenobiotica</i> , 2015, 45, 766-772.	1.1	26
38	Human biofluid concentrations of mono(2-ethylhexyl)phthalate extrapolated from pharmacokinetics in chimeric mice with humanized liver administered with di(2-ethylhexyl)phthalate and physiologically based pharmacokinetic modeling. <i>Environmental Toxicology and Pharmacology</i> , 2015, 39, 1067-1073.	4.0	25
39	Human Blood Concentrations of Dichlorodiphenyltrichloroethane (DDT) Extrapolated from Metabolism in Rats and Humans and Physiologically Based Pharmacokinetic Modeling. <i>Journal of Health Science</i> , 2010, 56, 566-575.	0.9	24
40	Developmental variations in metabolic capacity of flavin-containing mono-oxygenase 3 in childhood. <i>British Journal of Clinical Pharmacology</i> , 2011, 71, 585-591.	2.4	24
41	Simultaneous pharmacokinetics evaluation of human cytochrome P450 probes, caffeine, warfarin, omeprazole, metoprolol and midazolam, in common marmosets ( <i>Callithrix jacchus</i> ). <i>Xenobiotica</i> , 2016, 46, 163-168.	1.1	24
42	Activation and Deactivation of 1-Methyl-4-Phenyl-1,2,3,6-Tetrahydropyridine by Cytochrome P450 Enzymes and Flavin-Containing Monooxygenases in Common Marmosets ( <i>Callithrix jacchus</i> ). <i>Drug Metabolism and Disposition</i> , 2015, 43, 735-742.	3.3	23
43	<i>In Silico</i> 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.	3.3	23
44	Variants in the flavin-containing monooxygenase 3 (FMO3) gene responsible for trimethylaminuria in a Japanese population. <i>Molecular Genetics and Metabolism</i> , 2012, 107, 330-334.	1.1	22
45	Pharmacokinetics and effects on serum cholinesterase activities of organophosphorus pesticides acephate and chlorpyrifos in chimeric mice transplanted with human hepatocytes. <i>Regulatory Toxicology and Pharmacology</i> , 2014, 70, 468-473.	2.7	22
46	Slow R-warfarin 7-hydroxylation mediated by P450 2C19 genetic variants in cynomolgus monkeys in vivo. <i>Biochemical Pharmacology</i> , 2015, 95, 110-114.	4.4	22
47	Human urine and plasma concentrations of bisphenol A extrapolated from pharmacokinetics established in in vivo experiments with chimeric mice with humanized liver and semi-physiological pharmacokinetic modeling. <i>Regulatory Toxicology and Pharmacology</i> , 2015, 72, 71-76.	2.7	22
48	Monkey liver cytochrome P450 2C19 is involved in R- and S-warfarin 7-hydroxylation. <i>Biochemical Pharmacology</i> , 2012, 84, 1691-1695.	4.4	21
49	Individual Differences in Metabolic Clearance of S-Warfarin Efficiently Mediated by Polymorphic Marmoset Cytochrome P450 2C19 in Livers. <i>Drug Metabolism and Disposition</i> , 2016, 44, 911-915.	3.3	21
50	Human plasma concentrations of herbicidal carbamate molinate extrapolated from the pharmacokinetics established in in vivo experiments with chimeric mice with humanized liver and physiologically based pharmacokinetic modeling. <i>Regulatory Toxicology and Pharmacology</i> , 2014, 70, 214-221.	2.7	20
51	Physiologically based pharmacokinetic-pharmacodynamic modeling to predict concentrations and actions of sodium-dependent glucose transporter 2 inhibitor canagliflozin in human intestines and renal tubules. <i>Biopharmaceutics and Drug Disposition</i> , 2016, 37, 491-506.	1.9	20
52	Metabolic profiles of pomalidomide in human plasma simulated with pharmacokinetic data in control and humanized-liver mice. <i>Xenobiotica</i> , 2017, 47, 844-848.	1.1	20
53	Possibility of Influence of Midazolam Sedation on the Diagnosis of Brain Death: Concentrations of Active Metabolites after Cessation of Midazolam. <i>Yakugaku Zasshi</i> , 2003, 123, 811-815.	0.2	19
54	Glucuronidation of Propofol and Its Analogs by Human and Rat Liver Microsomes.. <i>Biological and Pharmaceutical Bulletin</i> , 2003, 26, 216-219.	1.4	19

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55	Evaluation of 89 Compounds for Identification of Substrates for Cynomolgus Monkey CYP2C76, a New Bupropion/Nifedipine Oxidase. <i>Drug Metabolism and Disposition</i> , 2015, 43, 27-33.	3.3	19
56	Three Novel Single Nucleotide Polymorphisms of the FMO3 Gene in a Japanese Population. <i>Drug Metabolism and Pharmacokinetics</i> , 2006, 21, 245-247.	2.2	18
57	Relationships between flavin-containing monoxygenase 3 (FMO3) genotype and trimethylaminuria phenotype in a Japanese population. <i>British Journal of Clinical Pharmacology</i> , 2014, 77, 839-851.	2.4	18
58	Human plasma concentrations of cytochrome P450 probes extrapolated from pharmacokinetics in cynomolgus monkeys using physiologically based pharmacokinetic modeling. <i>Xenobiotica</i> , 2015, 45, 881-886.	1.1	18
59	Potential for drug interactions mediated by polymorphic flavin-containing monooxygenase 3 in human livers. <i>Drug Metabolism and Pharmacokinetics</i> , 2015, 30, 70-74.	2.2	18
60	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.	3.3	18
61	Molecular and functional characterization of flavin-containing monooxygenases in pigs, dogs, and cats. <i>Biochemical Pharmacology</i> , 2022, 202, 115125.	4.4	18
62	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.	4.4	16
63	Altered bupivacaine pharmacokinetics by MgSO4 in rats. <i>Canadian Journal of Anaesthesia</i> , 2004, 51, 93-94.	1.6	15
64	Assessment of Protein Binding of 5-Hydroxythalidomide Bioactivated in Humanized Mice with Human P450 3A-Chromosome or Hepatocytes by Two-Dimensional Electrophoresis/Accelerator Mass Spectrometry. <i>Chemical Research in Toxicology</i> , 2016, 29, 1279-1281.	3.3	15
65	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.	2.5	15
66	Missense and Nonsense Mutations of the Flavin-containing Monooxygenase 3 Gene in a Japanese Cohort. <i>Drug Metabolism and Pharmacokinetics</i> , 2007, 22, 61-64.	2.2	14
67	Complex Mechanism Underlying Transcriptional Control of the Haplotyped Flavin-containing Monooxygenase 3 (FMO3) Gene in Japanese: Different Regulation between Mutations in 5'-Upstream Distal Region and Common Element in Proximal Region. <i>Drug Metabolism and Pharmacokinetics</i> , 2008, 23, 54-58.	2.2	14
68	Monkey liver cytochrome P450 2C9 is involved in caffeine 7-N-demethylation to form theophylline. <i>Xenobiotica</i> , 2013, 43, 1037-1042.	1.1	14
69	Drug interactions of diclofenac and its oxidative metabolite with human liver microsomal cytochrome P450 1A2-dependent drug oxidation. <i>Xenobiotica</i> , 2014, 44, 10-16.	1.1	14
70	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	13
71	Pharmacokinetic Investigation of Increased Efficacy Against Malignant Gliomas of Carboplatin Combined With Hyperbaric Oxygenation. <i>Neurologia Medico-Chirurgica</i> , 2009, 49, 193-197.	2.2	12
72	Comprehensive Evaluation for Substrate Selectivity of Cynomolgus Monkey Cytochrome P450 2C9, a New Efavirenz Oxidase. <i>Drug Metabolism and Disposition</i> , 2015, 43, 1119-1122.	3.3	12

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73	Machine Learning Prediction of the Three Main Input Parameters of a Simplified Physiologically Based Pharmacokinetic Model Subsequently Used to Generate Time-Dependent Plasma Concentration Data in Humans after Oral Doses of 212 Disparate Chemicals. <i>Biological and Pharmaceutical Bulletin</i> , 2021, .	1.4	12
74	Pharmacokinetics of Fluconazole and Fosfluconazole after Intraperitoneal Administration to Peritoneal Dialysis Rats. <i>Drug Metabolism and Pharmacokinetics</i> , 2005, 20, 485-490.	2.2	11
75	Effects of Propofol Analogs on Glucuronidation of Propofol, an Anesthetic Drug, by Human Liver Microsomes. <i>Drug Metabolism Letters</i> , 2007, 1, 77-79.	0.8	11
76	Bonitos with Low Content of Malodorous Trimethylamine as Palliative Care for Self-reported Japanese Trimethylaminuria Subjects. <i>Drug Metabolism and Pharmacokinetics</i> , 2009, 24, 549-552.	2.2	11
77	A rapid multiplex PCR assay that can reliably discriminate the cytochrome P450 2D6 whole-gene deletion allele from 2D6*10 alleles. <i>Clinica Chimica Acta</i> , 2012, 413, 1675-1677.	1.1	11
78	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 <i>cytochrome P450 2C19</i> . <i>Xenobiotica</i> , 2018, 48, 720-726.	1.1	11
79	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.	1.5	11
80	Adult and infant pharmacokinetic profiling of dihydrocodeine using physiologically based pharmacokinetic modeling. <i>Biopharmaceutics and Drug Disposition</i> , 2019, 40, 350-357.	1.9	11
81	Novel variants and haplotypes of human <i>flavin-containing monooxygenase 3</i> gene associated with Japanese subjects suffering from trimethylaminuria. <i>Xenobiotica</i> , 2019, 49, 1244-1250.	1.1	11
82	Direct genotyping of Cytochrome P450 2A6 whole gene deletion from human blood samples by the SmartAmp method. <i>Clinica Chimica Acta</i> , 2011, 412, 1249-1251.	1.1	10
83	Analysis of six novel flavin-containing monooxygenase 3 (FMO3) gene variants found in a Japanese population suffering from trimethylaminuria. <i>Molecular Genetics and Metabolism Reports</i> , 2015, 5, 89-93.	1.1	10
84	Genotyping of wild-type cytochrome P450 2A6 and whole-gene deletion using human blood samples and a multiplex real-time polymerase chain reaction method with dual-labeled probes. <i>Clinica Chimica Acta</i> , 2015, 441, 71-74.	1.1	10
85	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.	1.5	10
86	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	10
87	Human Liver Enzymes Responsible for Metabolic Elimination of Tyramine, a Vasopressor Agent from Daily Food. <i>Drug Metabolism Letters</i> , 2011, 5, 216-219.	0.8	9
88	Human pharmacokinetic profiling of the dipeptidyl peptidase-IV inhibitor teneligliptin using physiologically based pharmacokinetic modeling. <i>Biopharmaceutics and Drug Disposition</i> , 2015, 36, 148-162.	1.9	9
89	Ratio of serum levels of AGEs to soluble RAGE is correlated with trimethylamine-N-oxide in non-diabetic subjects. <i>International Journal of Food Sciences and Nutrition</i> , 2017, 68, 1013-1020.	2.8	9
90	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.	1.1	9

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91	Dihydrocodeine Overdoses in a Neonate and in a 14-year-old Girl Who Were Both Genotyped as Cytochrome P450 2D6*1/*10*36: Comparing Developmental Ages and Drug Monitoring Data With the Results of Pharmacokinetic Modeling. <i>Therapeutic Drug Monitoring</i> , 2018, 40, 162-165.	2.0	9
92	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	9
93	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.	1.0	9
94	An Updated <i>in Silico</i> 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.	3.3	9
95	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.	1.5	9
96	Marmoset Flavin-Containing Monooxygenase 3 in the Liver Is a Major Benzylamine and Sulindac Sulfide Oxygenase. <i>Drug Metabolism and Disposition</i> , 2017, 45, 497-500.	3.3	8
97	Association with polymorphic marmoset cytochrome P450 2C19 of <i>in vivo</i> hepatic clearances of chirally separated R-omeprazole and S-warfarin using individual marmoset physiologically based pharmacokinetic models. <i>Xenobiotica</i> , 2018, 48, 1072-1077.	1.1	8
98	<i>R</i> -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.	1.1	8
99	Different Roles of Human Cytochrome P450 2C9 and 3A Enzymes in Diclofenac 4- and 5-Hydroxylations Mediated by Metabolically Inactivated Human Hepatocytes in Previously Transplanted Chimeric Mice. <i>Chemical Research in Toxicology</i> , 2020, 33, 634-639.	3.3	8
100	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.	3.3	8
101	Metabolic profiles for the pyrrolizidine alkaloid neopetasitenine and its metabolite petasitenine in humans extrapolated from rat <i>in vivo</i> and <i>in vitro</i> data sets using a simplified physiologically based pharmacokinetic model. <i>Journal of Toxicological Sciences</i> , 2021, 46, 391-399.	1.5	8
102	Trimethylamine generation in patients receiving hemodialysis treated with L-carnitine. <i>CKJ: Clinical Kidney Journal</i> , 2014, 7, 329-329.	2.9	7
103	Similar substrate specificity of cynomolgus monkey cytochrome P450 2C19 to reported human P450 2C counterpart enzymes by evaluation of 89 drug clearances. <i>Biopharmaceutics and Drug Disposition</i> , 2015, 36, 636-643.	1.9	7
104	Analysis of gene expression for microminipig liver transcriptomes using parallel long-read technology and short-read sequencing. <i>Biopharmaceutics and Drug Disposition</i> , 2016, 37, 220-232.	1.9	7
105	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.	1.1	7
106	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.	1.0	7
107	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.	3.3	7
108	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	7

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109	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.	1.5	7
110	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	7
111	Human Plasma Concentrations of Tolbutamide and Acetaminophen Extrapolated from <i>in vivo</i> ; Animal Pharmacokinetics Using <i>in vitro</i> ; Human Hepatic Clearances and Simple Physiologically Based Pharmacokinetic Modeling for Radio-labeled Microdose Clinical Studies. <i>Radioisotopes</i> , 2015, 64, 509-519.	0.2	7
112	Dataset for genotyping validation of cytochrome P450 2A6 whole-gene deletion ( CYP2A6 * 4 ) by real-time polymerase chain reaction platforms. <i>Data in Brief</i> , 2015, 5, 642-645.	1.0	6
113	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	6
114	Expression of functional sulfotransferases (SULT) 1A1, 1A3, 1B1, 1C2, 1E1, and 2A1 in common marmosets. <i>Biochemical Pharmacology</i> , 2020, 180, 114189.	4.4	6
115	Different Effects of TERT, TP63, and CYP2A6 Polymorphism on Individual Risk of Tobacco-Related Lung Cancer in Male Japanese Smokers. <i>Journal of Cancer Therapy</i> , 2011, 02, 690-696.	0.4	6
116	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.	1.5	6
117	Species Specificity and Selection of Models for Drug Oxidations Mediated by Polymorphic Human Enzymes. <i>Drug Metabolism and Disposition</i> , 2023, 51, 123-129.	3.3	6
118	Population Pharmacokinetic-Pharmacodynamic Modeling of TF-505 Using Extension of Indirect Response Model by Incorporating a Circadian Rhythm in Healthy Volunteers. <i>Biological and Pharmaceutical Bulletin</i> , 2005, 28, 1455-1461.	1.4	5
119	High-performance Liquid Chromatographic Assay for Carboplatin in Ultrafiltered Plasma Combined with Hyperbaric Oxygenation. <i>Drug Metabolism and Pharmacokinetics</i> , 2006, 21, 429-431.	2.2	5
120	Efavirenz clearances <i>in vitro</i> and <i>in vivo</i> in six cynomolgus monkeys associated with polymorphic cytochrome P450 2C9 and simulated by individual physiologically based pharmacokinetic models. <i>Biopharmaceutics and Drug Disposition</i> , 2017, 38, 439-442.	1.9	5
121	Human plasma and urinary metabolic profiles of trimethylamine and trimethylamine <i>N</i> -oxide extrapolated using a simple physiologically based pharmacokinetic model. <i>Journal of Toxicological Sciences</i> , 2017, 42, 485-490.	1.5	5
122	Human plasma concentrations of trimethylamine <i>N</i> -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.	1.5	5
123	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.	1.1	5
124	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.	1.1	5
125	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.	1.2	5
126	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	5



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127	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.	1.0	5
128	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.	1.0	5
129	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.	0.4	5
130	Correlation between the Physicochemical Property of Some Nonsteroidal Anti-inflammatory Drugs and Changes in Adenosine Triphosphate, Glutathione and Hemoglobin in Rat Erythrocytes. <i>Biological and Pharmaceutical Bulletin</i> , 2003, 26, 1155-1165.	1.4	4
131	Activities of Rat Cytochrome P450 3A and 2C Isoforms are Increased In Vivo by Magnesium Sulfate as Evidenced by Enhanced Oxidation of Bupivacaine and Testosterone in Liver Microsomes. <i>Drug Metabolism and Pharmacokinetics</i> , 2006, 21, 201-207.	2.2	4
132	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.	1.1	4
133	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	4
134	Cytochrome P450 2A6 Phenotyping Using Dietary Caffeine Salivary Metabolite Ratios and Genotyping Using Blood on Storage Cards in Non-smoking Japanese Volunteers. <i>Drug Metabolism Letters</i> , 2017, 10, 240-243.	0.8	4
135	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.	1.0	4
136	Further survey of genetic variants of flavin-containing monooxygenase 3 (FMO3) in Japanese subjects found in an updated database of genome resources and identified by phenotyping for trimethylaminuria. <i>Drug Metabolism and Pharmacokinetics</i> , 2022, 46, 100465.	2.2	4
137	4'-Hydroxylation of Flurbiprofen by Rat Liver Microsomes in Fasting and Feeding Conditions. <i>Biological and Pharmaceutical Bulletin</i> , 2003, 26, 1448-1454.	1.4	3
138	Expression and metabolic activity of flavin-containing monooxygenase 1 in cynomolgus macaque kidney. <i>Journal of Medical Primatology</i> , 2019, 48, 51-53.	0.6	3
139	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	3
140	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.	1.4	3
141	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.	1.0	3
142	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	3
143	Pharmacokinetics of primary metabolites 5-hydroxythalidomide and 5-hydroxythalidomide formed after oral administration of thalidomide in the rabbit, a thalidomide-sensitive species. <i>Journal of Toxicological Sciences</i> , 2021, 46, 553-560.	1.5	3
144	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	3

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145	Possible Origin of Rat Testicular Atrophy Induced by Di-n-Butyl Phthalate: Changes in the Activities of Some Enzymes during Rat Testis Perfusion under a Hypoxic Condition and with Mono-n-Butyl Phthalate.. Journal of Health Science, 2002, 48, 503-513.	0.9	2
146	Testicular Toxicity of Mono-n-Butyl Phthalate and Related Phthalates on Bound Iron in Rat Red Blood Cells.. Journal of Health Science, 2002, 48, 527-533.	0.9	2
147	Effects of Aspirin and/or Salicylate on Hydrolysis and Glucuronidation of Indomethacin in Rat Erythrocytes and Hepatocytes. Biological and Pharmaceutical Bulletin, 2003, 26, 675-682.	1.4	2
148	Evaluation of cytotoxic potential of cored soft contact lenses with adsorbed active ingredients from over-the-counter eye drops. Journal of Toxicological Sciences, 2012, 37, 639-643.	1.5	2
149	Novel variants in outer protein surface of flavin-containing monooxygenase 3 found in an Argentinian case with impaired capacity for trimethylamine N-oxygenation. Drug Metabolism and Pharmacokinetics, 2020, 35, 383-388.	2.2	2
150	Hepatotoxicological potential of P-toluic acid in humanised-liver mice investigated using simplified physiologically based pharmacokinetic models. Xenobiotica, 2021, 51, 1-7.	1.1	2
151	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. Current Drug Metabolism, 2020, 21, 1161-1164.	1.2	2
152	Effects of Meat Intake Frequency and Polymorphic Cytochrome P450 2A6 Activity on Individual Colorectal Tumour Risk in a Japanese Cohort. Journal of Cancer Therapy, 2017, 08, 645-652.	0.4	2
153	Trivariate Linear Regression and Machine Learning Prediction of Possible Roles of Efflux Transporters in Estimated Intestinal Permeability Values of 301 Disparate Chemicals. Biological and Pharmaceutical Bulletin, 2022, , .	1.4	2
154	A Computer Program for Pharmacokinetics Based on Maximum Likelihood Estimation Using the Gamma Distribution with a Probability Density Function: Comparison with the Normal Distribution.. Biological and Pharmaceutical Bulletin, 2000, 23, 235-239.	1.4	1
155	Cytochrome P450 2A6 Phenotyping Based on Dietary Caffeine Intake in a Japanese Population of Non-smokers. Drug Metabolism Letters, 2012, 6, 67-72.	0.8	1
156	Identification of putative substrates for cynomolgus monkey cytochrome P450 2C8 by substrate depletion assays with 22 human P450 substrates and inhibitors. Biopharmaceutics and Drug Disposition, 2016, 37, 310-313.	1.9	1
157	Cytochrome P450 2A6 Phenotyping Based on Dietary Caffeine Intake in a Japanese Population of Non-smokers. Drug Metabolism Letters, 2012, 6, 67-72.	0.8	1
158	Modelled plasma concentrations of pemafigrate with co-administered typical cytochrome P450 inhibitors clopidogrel, fluconazole or clarithromycin predicted by physiologically based pharmacokinetic modelling in virtual populations. Xenobiotica, 2020, 50, 1413-1422.	1.1	0
159	Cloning, sequence analysis, and tissue expression of marmoset paraoxonase 1. Drug Metabolism and Pharmacokinetics, 2021, 39, 100398.	2.2	0
160	Genetic Polymorphism of Human Tissue Phenol Sulfotransferases.. Drug Metabolism and Pharmacokinetics, 2000, 15, 171-176.	0.0	0
161	Practical Application of Pharmacokinetic-Pharmacodynamic Modeling.. Drug Metabolism and Pharmacokinetics, 2000, 15, 452-460.	0.0	0