

Makiko Shimizu

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155
papers

2,303
citations

26
h-index

38
g-index

165
ext. papers

2,675
ext. citations

2.5
avg, IF

4.91
L-index

#	Paper	IF	Citations
155	Genomic Landscape of Esophageal Squamous Cell Carcinoma in a Japanese Population. <i>Gastroenterology</i> , 2016 , 150, 1171-1182	13.3	195
154	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, 2020-6	6	106
153	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, 289-95	3.1	55
152	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
151	Transient trimethylaminuria related to menstruation. <i>BMC Medical Genetics</i> , 2007 , 8, 2	2.1	54
150	Survey of variants of human flavin-containing monooxygenase 3 (FMO3) and their drug oxidation activities. <i>Biochemical Pharmacology</i> , 2013 , 85, 1588-93	6	51
149	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, 328-30	4	49
148	Potential impact of cytochrome P450 3A5 in human liver on drug interactions with triazoles. <i>British Journal of Clinical Pharmacology</i> , 2010 , 69, 593-7	3.8	45
147	Eubacterium limosum ameliorates experimental colitis and metabolite of microbe attenuates colonic inflammatory action with increase of mucosal integrity. <i>World Journal of Gastroenterology</i> , 2006 , 12, 1071-7	5.6	44
146	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, 1018-24	4	40
145	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, 274-6	4	39
144	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, 3406-21	4.6	37
143	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	4	37
142	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, 404-8	2.2	36
141	Novel Marmoset Cytochrome P450 2C19 in Livers Efficiently Metabolizes Human P450 2C9 and 2C19 Substrates, S-Warfarin, Tolbutamide, Flurbiprofen, and Omeprazole. <i>Drug Metabolism and Disposition</i> , 2015 , 43, 1408-16	4	35
140	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, 159-65	6	32
139	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	3.7	31

138	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, 487-91	3.5	30
137	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	4	29
136	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	2	29
135	Simultaneous pharmacokinetics assessment of caffeine, warfarin, omeprazole, metoprolol, and midazolam intravenously or orally administered to Microminipigs. <i>Journal of Toxicological Sciences</i> , 2012 , 37, 1157-64	1.9	28
134	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, 64-9	2.2	27
133	In vivo formation of a glutathione conjugate derived from thalidomide in humanized uPA-NOG mice. <i>Chemical Research in Toxicology</i> , 2011 , 24, 287-9	4	27
132	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, 532-7	2.2	27
131	Molecular evolution and balancing selection in the flavin-containing monooxygenase 3 gene (FMO3). <i>Pharmacogenetics and Genomics</i> , 2007 , 17, 827-39	1.9	27
130	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	3.7	27
129	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 , 45, 216-24	3.4	26
128	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, 2953-64	4.6	25
127	Marmoset cytochrome P450 2D8 in livers and small intestines metabolizes typical human P450 2D6 substrates, metoprolol, bufuralol and dextromethorphan. <i>Xenobiotica</i> , 2015 , 45, 766-72	2	24
126	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	4	24
125	Molecular and functional characterization of flavin-containing monooxygenases in cynomolgus macaque. <i>Biochemical Pharmacology</i> , 2013 , 85, 1837-47	6	24
124	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, 1803-5	4	24
123	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, 163-8	2	23
122	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, 1067-73	5.8	23
121	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, 735-42	4	23

120	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, 1065-8	2.8	23
119	Slow R-warfarin 7-hydroxylation mediated by P450 2C19 genetic variants in cynomolgus monkeys in vivo. <i>Biochemical Pharmacology</i> , 2015 , 95, 110-4	6	22
118	Developmental variations in metabolic capacity of flavin-containing mono-oxygenase 3 in childhood. <i>British Journal of Clinical Pharmacology</i> , 2011 , 71, 585-91	3.8	22
117	Evaluation of 23 lots of commercially available cryopreserved hepatocytes for induction assays of human cytochromes P450. <i>Drug Metabolism and Disposition</i> , 2014 , 42, 867-71	4	21
116	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, 218-25	2.2	21
115	Monkey liver cytochrome P450 2C19 is involved in R- and S-warfarin 7-hydroxylation. <i>Biochemical Pharmacology</i> , 2012 , 84, 1691-5	6	20
114	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, 71-6	3.4	19
113	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, 468-73	3.4	19
112	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
111	Glucuronidation of propofol and its analogs by human and rat liver microsomes. <i>Biological and Pharmaceutical Bulletin</i> , 2003 , 26, 216-9	2.3	18
110	Potential for drug interactions mediated by polymorphic flavin-containing monooxygenase 3 in human livers. <i>Drug Metabolism and Pharmacokinetics</i> , 2015 , 30, 70-4	2.2	17
109	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 , 50, 211-8	3.4	17
108	Relationships between flavin-containing mono-oxygenase 3 (FMO3) genotype and trimethylaminuria phenotype in a Japanese population. <i>British Journal of Clinical Pharmacology</i> , 2014 , 77, 839-51	3.8	17
107	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
106	Human plasma concentrations of cytochrome P450 probes extrapolated from pharmacokinetics in cynomolgus monkeys using physiologically based pharmacokinetic modeling. <i>Xenobiotica</i> , 2015 , 45, 881-6	2	16
105	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	1.7	16
104	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, 911-5	4	16
103	Variants in the flavin-containing monooxygenase 3 (FMO3) gene responsible for trimethylaminuria in a Japanese population. <i>Molecular Genetics and Metabolism</i> , 2012 , 107, 330-4	3.7	16

102	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, 811-5	0	16
101	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	4	15
100	Metabolic profiles of pomalidomide in human plasma simulated with pharmacokinetic data in control and humanized-liver mice. <i>Xenobiotica</i> , 2017 , 47, 844-848	2	15
99	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		15
98	Three novel single nucleotide polymorphisms of the FMO3 gene in a Japanese population. <i>Drug Metabolism and Pharmacokinetics</i> , 2006 , 21, 245-7	2.2	15
97	Monkey liver cytochrome P450 2C9 is involved in caffeine 7-N-demethylation to form theophylline. <i>Xenobiotica</i> , 2013 , 43, 1037-42	2	13
96	Missense and nonsense mutations of the flavin-containing monooxygenase 3 gene in a Japanese cohort. <i>Drug Metabolism and Pharmacokinetics</i> , 2007 , 22, 61-4	2.2	13
95	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, 1279-81	4	13
94	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
93	Comprehensive Evaluation for Substrate Selectivity of Cynomolgus Monkey Cytochrome P450 2C9, a New Efavirenz Oxidase. <i>Drug Metabolism and Disposition</i> , 2015 , 43, 1119-22	4	12
92	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
91	Drug interactions of diclofenac and its oxidative metabolite with human liver microsomal cytochrome P450 1A2-dependent drug oxidation. <i>Xenobiotica</i> , 2014 , 44, 10-6	2	12
90	Altered bupivacaine pharmacokinetics by MgSO4 in rats. <i>Canadian Journal of Anaesthesia</i> , 2004 , 51, 93-43		12
89	Complex mechanism underlying transcriptional control of the haplotyped flavin-containing monooxygenase 3 (FMO3) gene in Japanese: different regulation between mutations in 5'Pupstream distal region and common element in proximal region. <i>Drug Metabolism and Pharmacokinetics</i> , 2008 , 23, 51-6	2.2	11
88	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
87	Pharmacokinetic investigation of increased efficacy against malignant gliomas of carboplatin combined with hyperbaric oxygenation. <i>Neurologia Medico-Chirurgica</i> , 2009 , 49, 193-7; discussion 197	2.6	10
86	Effects of propofol analogs on glucuronidation of propofol, an anesthetic drug, by human liver microsomes. <i>Drug Metabolism Letters</i> , 2007 , 1, 77-9	2.1	10
85	Pharmacokinetics of fluconazole and fosfluconazole after intraperitoneal administration to peritoneal dialysis rats. <i>Drug Metabolism and Pharmacokinetics</i> , 2005 , 20, 485-90	2.2	10

84	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
83	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, 1675-7	6.2	9
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, 1249-51	6.2	9
81	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
80	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
79	Bonitos with low content of malodorous trimethylamine as palliative care for self-reported Japanese trimethylaminuria subjects. <i>Drug Metabolism and Pharmacokinetics</i> , 2009 , 24, 549-52	2.2	8
78	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
77	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
76	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
75	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
74	Trimethylamine generation in patients receiving hemodialysis treated with l-carnitine. <i>CKJ: Clinical Kidney Journal</i> , 2014 , 7, 329	4.5	7
73	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, 636-43	1.7	7
72	Human pharmacokinetic profiling of the dipeptidyl peptidase-IV inhibitor teneligliptin using physiologically based pharmacokinetic modeling. <i>Biopharmaceutics and Drug Disposition</i> , 2015 , 36, 148-62	1.7	7
71	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, 71-4	6.2	7
70	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
69	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	3.7	6
68	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
67	Analysis of six novel flavin-containing monooxygenase 3 () gene variants found in a Japanese population suffering from trimethylaminuria. <i>Molecular Genetics and Metabolism Reports</i> , 2015 , 5, 89-93	1.8	6

66	Human liver enzymes responsible for metabolic elimination of tyramine; a vasopressor agent from daily food. <i>Drug Metabolism Letters</i> , 2011 , 5, 216-9	2.1	6
65	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
64	Human Plasma Concentrations of Tolbutamide and Acetaminophen Extrapolated from in vivo Animal Pharmacokinetics Using in vitro Human Hepatic Clearances and Simple Physiologically Based Pharmacokinetic Modeling for Radio-labeled Microdose Clinical Studies. <i>Radioisotopes</i> , 2015 , 64, 509-519	0.1	6
63	Different Effects of <i>TERT</i>, <i>TP63</i>, and <i>CYP2A6</i> Polymorphism on Individual Risk of Tobacco-Related Lung Cancer in Male Japanese Smokers. <i>Journal of Cancer Therapy</i> , 2011 , 02, 690-696	0.2	6
62	Novel variants and haplotypes of human gene associated with Japanese subjects suffering from trimethylaminuria. <i>Xenobiotica</i> , 2019 , 49, 1244-1250	2	6
61	Efavirenz clearances in vitro and in vivo 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	1.7	5
60	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
59	Human plasma and urinary metabolic profiles of trimethylamine and trimethylamine N-oxide extrapolated using a simple physiologically based pharmacokinetic model. <i>Journal of Toxicological Sciences</i> , 2017 , 42, 485-490	1.9	5
58	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
57	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, 642-5	1.2	5
56	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
55	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
54	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
53	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
52	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	4	4
51	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, 220-32	1.7	4
50	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
49	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, 201-7	2.2	4

48	High-performance liquid chromatographic assay for carboplatin in ultrafiltered plasma combined with hyperbaric oxygenation. <i>Drug Metabolism and Pharmacokinetics</i> , 2006 , 21, 429-31	2.2	4
47	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, 1155-65	2.3	4
46	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, 1455-61	2.3	4
45	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	2.1	4
44	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
43	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
42	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
41	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
40	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
39	4Hydroxylation of flurbiprofen by rat liver microsomes in fasting and feeding conditions. <i>Biological and Pharmaceutical Bulletin</i> , 2003 , 26, 1448-54	2.3	3
38	Different Roles of Human Cytochrome P450 2C9 and 3A Enzymes in Diclofenac 4P and 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
37	Expression of functional sulfotransferases (SULT) 1A1, 1A3, 1B1, 1C2, 1E1, and 2A1 in common marmosets. <i>Biochemical Pharmacology</i> , 2020 , 180, 114189	6	3
36	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
35	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
34	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
33	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
32	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	3.2	3
31	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

30	Effects of aspirin and/or salicylate on hydrolysis and glucuronidation of indomethacin in rat erythrocytes and hepatocytes. <i>Biological and Pharmaceutical Bulletin</i> , 2003 , 26, 675-82	2.3	2
29	Testicular Toxicity of Mono-n-Butyl Phthalate and Related Phthalates on Bound Iron in Rat Red Blood Cells.. <i>Journal of Health Science</i> , 2002 , 48, 527-533		2
28	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
27	Pharmacokinetics of primary metabolites 5-hydroxythalidomide and 5Phydroxythalidomide 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
26	Effects of Meat Intake Frequency and Polymorphic Cytochrome P450 2A6 Activity on Individual Colorectal Tumour Risk in a Japanese Cohort. <i>Journal of Cancer Therapy</i> , 2017 , 08, 645-652	0.2	2
25	Plasma concentrations of pemafibrate 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
24	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
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22	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
21	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
20	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
19	Cytochrome P450 2A6 Phenotyping Based on Dietary Caffeine Intake in a Japanese Population of Non-smokers. <i>Drug Metabolism Letters</i> , 2012 , 6, 67-72	2.1	1
18	Evaluation of cytotoxic potential of cored soft contact lenses with adsorbed active ingredients from over-the-counter eye drops. <i>Journal of Toxicological Sciences</i> , 2012 , 37, 639-43	1.9	1
17	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.. <i>Journal of Health Science</i> , 2002 , 48, 503-513		1
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15	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
14	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
13	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

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11	Identification of putative substrates for cynomolgus monkey cytochrome P450 2C8 by substrate depletion assays with 22 human P450 substrates and inhibitors. <i>Biopharmaceutics and Drug Disposition</i> , 2016 , 37, 310-3	1.7	1
10	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
9	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
8	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
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1	Cloning, sequence analysis, and tissue expression of marmoset paraoxonase 1. <i>Drug Metabolism and Pharmacokinetics</i> , 2021 , 39, 100398	2.2	