Ming Hu

List of Publications by Citations

238 papers	6,470 citations	46 h-index	67 g-index
252 ext. papers	7,156 ext. citations	4.5 avg, IF	5.85 L-index

#	Paper	IF	Citations
238	First-pass metabolism via UDP-glucuronosyltransferase: a barrier to oral bioavailability of phenolics. *Journal of Pharmaceutical Sciences*, **2011**, 100, 3655-81	3.9	205
237	Absorption and metabolism of flavonoids in the caco-2 cell culture model and a perused rat intestinal model. *Drug Metabolism and Disposition*, **2002**, 30, 370-7	4	196
236	Metabolism of flavonoids via enteric recycling: role of intestinal disposition. *Journal of Pharmacology and Experimental Therapeutics*, **2003**, 304, 1228-35	4.7	193
235	Bioavailability challenges associated with development of anti-cancer phenolics. *Mini-Reviews in Medicinal Chemistry*, **2010**, 10, 550-67	3.2	135
234	In vitro assessment and multicenter cohort study of comparative nephrotoxicity rates associated with colistimethate versus polymyxin B therapy. *Antimicrobial Agents and Chemotherapy*, **2014**, 58, 2740-6	5.9	122
233	Passive and carrier-mediated intestinal absorption components of captopril. *Journal of Pharmaceutical Sciences*, **1988**, 77, 1007-11	3.9	121
232	Metabolism of flavonoids via enteric recycling: mechanistic studies of disposition of apigenin in the Caco-2 cell culture model. *Journal of Pharmacology and Experimental Therapeutics*, **2003**, 307, 314-21	4.7	120
231	Bioavailability and pharmacokinetics of genistein: mechanistic studies on its ADME. *Anti-Cancer Agents in Medicinal Chemistry*, **2012**, 12, 1264-80	2.2	115
230	Commentary: bioavailability of flavonoids and polyphenols: call to arms. *Molecular Pharmaceutics*, **2007**, 4, 803-6	5.6	106
229	Absorption and metabolism of genistein and its five isoflavone analogs in the human intestinal Caco-2 model. *Cancer Chemotherapy and Pharmacology*, **2005**, 55, 159-69	3.5	103
228	Natural polyphenol disposition via coupled metabolic pathways. *Expert Opinion on Drug Metabolism and Toxicology*, **2007**, 3, 389-406	5.5	100
227	Coupling of conjugating enzymes and efflux transporters: impact on bioavailability and drug interactions. *Current Drug Metabolism*, **2005**, 6, 455-68	3.5	93
226	Identification of CYP1A2 as the main isoform for the phase I hydroxylated metabolism of genistein and a prodrug converting enzyme of methylated isoflavones. *Drug Metabolism and Disposition*, **2003**, 31, 924-31	4	92
225	Species- and disposition model-dependent metabolism of raloxifene in gut and liver: role of UGT1A10. *Drug Metabolism and Disposition*, **2005**, 33, 785-94	4	87
224	Disposition of flavonoids via enteric recycling: enzyme-transporter coupling affects metabolism of biochanin A and formononetin and excretion of their phase II conjugates. *Journal of Pharmacology and Experimental Therapeutics*, **2004**, 310, 1103-13	4.7	79
223	Poor oral bioavailability of a promising anticancer agent andrographolide is due to extensive metabolism and efflux by P-glycoprotein. *Journal of Pharmaceutical Sciences*, **2011**, 100, 5007-17	3.9	78
222	Structure and concentration changes affect characterization of UGT isoform-specific metabolism of isoflavones. *Molecular Pharmaceutics*, **2009**, 6, 1466-82	5.6	77

221	Intestinal absorption mechanisms of prenylated flavonoids present in the heat-processed Epimedium koreanum Nakai (Yin Yanghuo). *Pharmaceutical Research*, **2008**, 25, 2190-9	4.5	76
220	Artemisinin and its derivatives can significantly inhibit lung tumorigenesis and tumor metastasis through Wnt/□catenin signaling. *Oncotarget*, **2016**, 7, 31413-28	3.3	76
219	Characterization of polymyxin B-induced nephrotoxicity: implications for dosing regimen design. *Antimicrobial Agents and Chemotherapy*, **2012**, 56, 4625-9	5.9	75
218	Use of the peptide carrier system to improve the intestinal absorption of L-alpha-methyldopa: carrier kinetics, intestinal permeabilities, and in vitro hydrolysis of dipeptidyl derivatives of L-alpha-methyldopa. *Pharmaceutical Research*, **1989**, 6, 66-70	4.5	75
217	Regioselective sulfation and glucuronidation of phenolics: insights into the structural basis. *Current Drug Metabolism*, **2011**, 12, 900-16	3.5	69
216	Disposition of flavonoids via enteric recycling: structural effects and lack of correlations between in vitro and in situ metabolic properties. *Drug Metabolism and Disposition*, **2006**, 34, 1837-48	4	65
215	Mechanisms responsible for poor oral bioavailability of paeoniflorin: Role of intestinal disposition and interactions with sinomenine. *Pharmaceutical Research*, **2006**, 23, 2768-80	4.5	64
214	Enhancement of oral bioavailability of 20(S)-ginsenoside Rh2 through improved understanding of its absorption and efflux mechanisms. *Drug Metabolism and Disposition*, **2011**, 39, 1866-72	4	63
213	Mechanism and kinetics of transcellular transport of a new beta-lactam antibiotic loracarbef across an intestinal epithelial membrane model system (Caco-2). *Pharmaceutical Research*, **1994**, 11, 1405-13	4.5	63
212	Mechanism of L-alpha-methyldopa transport through a monolayer of polarized human intestinal epithelial cells (Caco-2). *Pharmaceutical Research*, **1990**, 7, 1313-9	4.5	62
211	Disposition of naringenin via glucuronidation pathway is affected by compensating efflux transporters of hydrophilic glucuronides. *Molecular Pharmaceutics*, **2009**, 6, 1703-15	5.6	60
210	The role of efflux transporters on the transport of highly toxic aconitine, mesaconitine, hypaconitine, and their hydrolysates, as determined in cultured Caco-2 and transfected MDCKII cells. *Toxicology Letters*, **2013**, 216, 86-99	4.4	59
209	Disposition mechanisms of raloxifene in the human intestinal Caco-2 model. *Journal of Pharmacology and Experimental Therapeutics*, **2004**, 310, 376-85	4.7	59
208	Disposition of flavonoids via recycling: comparison of intestinal versus hepatic disposition. *Drug Metabolism and Disposition*, **2005**, 33, 1777-84	4	59
207	Coupling of UDP-glucuronosyltransferases and multidrug resistance-associated proteins is responsible for the intestinal disposition and poor bioavailability of emodin. *Toxicology and Applied Pharmacology*, **2012**, 265, 316-24	4.6	57
206	Enteric disposition and recycling of flavonoids and ginkgo flavonoids. *Journal of Alternative and Complementary Medicine*, **2003**, 9, 631-40	2.4	57
205	Pharmacokinetics and renal disposition of polymyxin B in an animal model. *Antimicrobial Agents and Chemotherapy*, **2012**, 56, 5724-7	5.9	56
204	Simultaneous determination of genistein and its four phase II metabolites in blood by a sensitive and robust UPLC-MS/MS method: Application to an oral bioavailability study of genistein in mice. *Journal of Pharmaceutical and Biomedical Analysis*, **2010**, 53, 81-9	3.5	56

203	Inhibition of P-glycoprotein leads to improved oral bioavailability of compound K, an anticancer metabolite of red ginseng extract produced by gut microflora. *Drug Metabolism and Disposition*, **2012**, 40, 1538-44	4	54
202	Temporal interplay between efflux pumps and target mutations in development of antibiotic resistance in Escherichia coli. *Antimicrobial Agents and Chemotherapy*, **2012**, 56, 1680-5	5.9	54
201	Development of Caco-2 cells expressing high levels of cDNA-derived cytochrome P4503A4. *Pharmaceutical Research*, **1996**, 13, 1635-41	4.5	54
200	Breast cancer resistance protein (BCRP) and sulfotransferases contribute significantly to the disposition of genistein in mouse intestine. *AAPS Journal*, **2010**, 12, 525-36	3.7	53
199	Transport of a large neutral amino acid in a human intestinal epithelial cell line (Caco-2): uptake and efflux of phenylalanine. *Biochimica Et Biophysica Acta - Molecular Cell Research*, **1992**, 1135, 233-44	4.9	51
198	Species and gender differences affect the metabolism of emodin via glucuronidation. *AAPS Journal*, **2010**, 12, 424-36	3.7	50
197	Mutual interactions between flavonoids and enzymatic and transporter elements responsible for flavonoid disposition via phase II metabolic pathways. *RSC Advances*, **2012**, 2, 7948-7963	3.7	49
196	Breast cancer resistance protein (ABCG2) determines distribution of genistein phase II metabolites: reevaluation of the roles of ABCG2 in the disposition of genistein. *Drug Metabolism and Disposition*, **2012**, 40, 1883-93	4	49
195	Transcutaneously refillable nanofluidic implant achieves sustained level of tenofovir diphosphate for HIV pre-exposure prophylaxis. *Journal of Controlled Release*, **2018**, 286, 315-325	11.7	48
194	Utilization of peptide carrier system to improve intestinal absorption: targeting prolidase as a prodrug-converting enzyme. *Journal of Pharmaceutical Sciences*, **1992**, 81, 113-6	3.9	48
193	Transport and metabolic characterization of Caco-2 cells expressing CYP3A4 and CYP3A4 plus oxidoreductase. *Pharmaceutical Research*, **1999**, 16, 1352-9	4.5	47
192	Use of glucuronidation fingerprinting to describe and predict mono- and dihydroxyflavone metabolism by recombinant UGT isoforms and human intestinal and liver microsomes. *Molecular Pharmaceutics*, **2010**, 7, 664-79	5.6	46
191	Vitexin protects dopaminergic neurons in MPTP-induced Parkinson's disease through PI3K/Akt signaling pathway. *Drug Design, Development and Therapy*, **2018**, 12, 565-573	4.4	45
190	Validation of IMP dehydrogenase inhibitors in a mouse model of cryptosporidiosis. *Antimicrobial Agents and Chemotherapy*, **2014**, 58, 1603-14	5.9	44
189	Severely Impaired and Dysregulated Cytochrome P450 Expression and Activities in Hepatocellular Carcinoma: Implications for Personalized Treatment in Patients. *Molecular Cancer Therapeutics*, **2015**, 14, 2874-86	6.1	43
188	Potential beneficial metabolic interactions between tamoxifen and isoflavones via cytochrome P450-mediated pathways in female rat liver microsomes. *Pharmaceutical Research*, **2004**, 21, 2095-104	4.5	43
187	Role of intestinal hydrolase in the absorption of prenylated flavonoids present in Yinyanghuo. *Molecules*, **2011**, 16, 1336-48	4.8	42
186	Identification of the position of mono-O-glucuronide of flavones and flavonols by analyzing shift in online UV spectrum (lambdamax) generated from an online diode array detector. *Journal of Agricultural and Food Chemistry*, **2010**, 58, 9384-95	5.7	42

185	Mechanisms of transport of quinapril in Caco-2 cell monolayers: comparison with cephalexin. *Pharmaceutical Research*, **1995**, 12, 1120-5	4.5	42
184	Glucuronidation: driving factors and their impact on glucuronide disposition. *Drug Metabolism Reviews*, **2017**, 49, 105-138	7	41
183	Uptake of polymyxin B into renal cells. *Antimicrobial Agents and Chemotherapy*, **2014**, 58, 4200-2	5.9	40
182	Transformation of ginsenosides from notoginseng by artificial gastric juice can increase cytotoxicity toward cancer cells. *Journal of Agricultural and Food Chemistry*, **2014**, 62, 2558-73	5.7	40
181	Bioactivity and bioavailability of ginsenosides are dependent on the glycosidase activities of the A/J mouse intestinal microbiome defined by pyrosequencing. *Pharmaceutical Research*, **2013**, 30, 836-46	4.5	40
180	Disposition of flavonoids via enteric recycling: determination of the UDP-glucuronosyltransferase isoforms responsible for the metabolism of flavonoids in intact Caco-2 TC7 cells using siRNA. *Molecular Pharmaceutics*, **2007**, 4, 873-82	5.6	40
179	Sensitive and robust UPLC-MS/MS method to determine the gender-dependent pharmacokinetics in rats of emodin and its glucuronide. *Journal of Pharmaceutical and Biomedical Analysis*, **2011**, 54, 1157-62	3.5	39
178	Mechanisms and kinetics of uptake and efflux of L-methionine in an intestinal epithelial model (Caco-2). *Journal of Nutrition*, **1994**, 124, 1907-16	4.1	39
177	Regioselective glucuronidation of flavonols by six human UGT1A isoforms. *Pharmaceutical Research* , **2011**, 28, 1905-18	4.5	37
176	Disposition of flavonoids via enteric recycling: UDP-glucuronosyltransferase (UGT) 1As deficiency in Gunn rats is compensated by increases in UGT2Bs activities. *Journal of Pharmacology and Experimental Therapeutics*, **2009**, 329, 1023-31	4.7	36
175	Bioavailability challenges associated with development of saponins as therapeutic and chemopreventive agents. *Current Drug Targets*, **2012**, 13, 1885-99	3	36
174	Determination of pharmacokinetics of chrysin and its conjugates in wild-type FVB and Bcrp1 knockout mice using a validated LC-MS/MS method. *Journal of Agricultural and Food Chemistry*, **2015**, 63, 2902-10	5.7	35
173	Ginsenoside Rb1 directly scavenges hydroxyl radical and hypochlorous acid. *Current Pharmaceutical Design*, **2012**, 18, 6339-47	3.3	35
172	UDP-glucuronosyltransferase (UGT) 1A9-overexpressing HeLa cells is an appropriate tool to delineate the kinetic interplay between breast cancer resistance protein (BRCP) and UGT and to rapidly identify the glucuronide substrates of BCRP. *Drug Metabolism and Disposition*, **2012**, 40, 336-45	4	35
171	Disposition of formononetin via enteric recycling: metabolism and excretion in mouse intestinal perfusion and Caco-2 cell models. *Molecular Pharmaceutics*, **2005**, 2, 319-28	5.6	34
170	Substrate selectivity of drug-metabolizing cytochrome P450s predicted from crystal structures and in silico modeling. *Drug Metabolism Reviews*, **2012**, 44, 192-208	7	33
169	Triple Recycling Processes Impact Systemic and Local Bioavailability of Orally Administered Flavonoids. *AAPS Journal*, **2015**, 17, 723-36	3.7	32
168	Significantly decreased and more variable expression of major CYPs and UGTs in liver microsomes prepared from HBV-positive human hepatocellular carcinoma and matched pericarcinomatous tissues determined using an isotope label-free UPLC-MS/MS method. *Pharmaceutical Research*, **2015**, 32, 1141-57	4.5	32

167	Three-dimensional quantitative structure-activity relationship studies on UGT1A9-mediated 3-O-glucuronidation of natural flavonols using a pharmacophore-based comparative molecular field analysis model. *Journal of Pharmacology and Experimental Therapeutics*, **2011**, 336, 403-13	4.7	32
166	Use of isoform-specific UGT metabolism to determine and describe rates and profiles of glucuronidation of wogonin and oroxylin A by human liver and intestinal microsomes. *Pharmaceutical Research*, **2010**, 27, 1568-83	4.5	32
165	In vivo pharmacokinetics of hesperidin are affected by treatment with glucosidase-like BglA protein isolated from yeasts. *Journal of Agricultural and Food Chemistry*, **2008**, 56, 5550-7	5.7	32
164	Disposition of flavonoids via enteric recycling: enzyme stability affects characterization of prunetin glucuronidation across species, organs, and UGT isoforms. *Molecular Pharmaceutics*, **2007**, 4, 883-94	5.6	32
163	Systematic studies of sulfation and glucuronidation of 12 flavonoids in the mouse liver S9 fraction reveal both unique and shared positional preferences. *Journal of Agricultural and Food Chemistry*, **2012**, 60, 3223-33	5.7	31
162	In vitro potency of various polymyxin B components. *Antimicrobial Agents and Chemotherapy*, **2011**, 55, 4490-1	5.9	31
161	Biopharmaceutical and pharmacokinetic characterization of matrine as determined by a sensitive and robust UPLC-MS/MS method. *Journal of Pharmaceutical and Biomedical Analysis*, **2010**, 51, 1120-7	3.5	31
160	Disposition of flavonoids impacts their efficacy and safety. *Current Drug Metabolism*, **2014**, 15, 841-64	3.5	31
159	A validated ultra-performance liquid chromatography-tandem mass spectrometry method for the quantification of polymyxin B in mouse serum and epithelial lining fluid: application to pharmacokinetic studies. *Journal of Antimicrobial Chemotherapy*, **2013**, 68, 1104-10	5.1	30
158	Variable isoflavone content of red clover products affects intestinal disposition of biochanin A, formononetin, genistein, and daidzein. *Journal of Alternative and Complementary Medicine*, **2008**, 14, 287-97	2.4	30
157	Quantitative prediction of glucuronidation in humans using the in vitro- in vivo extrapolation approach. *Current Topics in Medicinal Chemistry*, **2013**, 13, 1343-52	3	29
156	Disposition of flavonoids via recycling: Direct biliary excretion of enterically or extrahepatically derived flavonoid glucuronides. *Molecular Nutrition and Food Research*, **2016**, 60, 1006-19	5.9	29
155	Curcumin Affects Phase II Disposition of Resveratrol Through Inhibiting Efflux Transporters MRP2 and BCRP. *Pharmaceutical Research*, **2016**, 33, 590-602	4.5	28
154	A novel local recycling mechanism that enhances enteric bioavailability of flavonoids and prolongs their residence time in the gut. *Molecular Pharmaceutics*, **2012**, 9, 3246-58	5.6	28
153	Discovery and Characterization of Dual Inhibitors of MDM2 and NFAT1 for Pancreatic Cancer Therapy. *Cancer Research*, **2018**, 78, 5656-5667	10.1	28
152	A combined strategy of mass fragmentation, post-column cobalt complexation and shift in ultraviolet absorption spectra to determine the uridine 5'-diphospho-glucuronosyltransferase metabolism profiling of flavones after oral administration of a flavone mixture in rats. *Journal of Chromatography A*, **2015**, 1395, 116-28	4.5	26
151	Determination of absorption characteristics of AG337, a novel thymidylate synthase inhibitor, using a perfused rat intestinal model. *Journal of Pharmaceutical Sciences*, **1998**, 87, 886-90	3.9	26
150	Comparison of uptake characteristics of thymidine and zidovudine in a human intestinal epithelial model system. *Journal of Pharmaceutical Sciences*, **1993**, 82, 829-33	3.9	26

149	In Vivo Exposure of Kaempferol Is Driven by Phase II Metabolic Enzymes and Efflux Transporters. *AAPS Journal*, **2016**, 18, 1289-1299	3.7	26
148	Metabolic Disposition of Luteolin Is Mediated by the Interplay of UDP-Glucuronosyltransferases and Catechol-O-Methyltransferases in Rats. *Drug Metabolism and Disposition*, **2017**, 45, 306-315	4	25
147	Amino acid facilitates absorption of copper in the Caco-2 cell culture model. *Life Sciences*, **2014**, 109, 50-6	6.8	25
146	Factors Influencing Oral Bioavailability of Thai Mango Seed Kernel Extract and Its Key Phenolic Principles. *Molecules*, **2015**, 20, 21254-73	4.8	25
145	Uridine diphosphate glucuronosyltransferase isoform-dependent regiospecificity of glucuronidation of flavonoids. *Journal of Agricultural and Food Chemistry*, **2011**, 59, 7452-64	5.7	24
144	Challenges and Opportunities with Predicting in Vivo Phase II Metabolism via Glucuronidation from in Vitro Data. *Current Pharmacology Reports*, **2016**, 2, 326-338	5.5	23
143	Novel histone deacetylase inhibitors derived from Magnolia officinalis significantly enhance TRAIL-induced apoptosis in non-small cell lung cancer. *Pharmacological Research*, **2016**, 111, 113-125	10.2	23
142	Understanding substrate selectivity of human UDP-glucuronosyltransferases through QSAR modeling and analysis of homologous enzymes. *Xenobiotica*, **2012**, 42, 808-20	2	23
141	Analysis of drug transport and metabolism in cell monolayer systems that have been modified by cytochrome P4503A4 cDNA-expression. *European Journal of Pharmaceutical Sciences*, **2000**, 12, 63-8	5.1	23
140	Development and validation of an UPLC-MS/MS method for the quantification of irinotecan, SN-38 and SN-38 glucuronide in plasma, urine, feces, liver and kidney: Application to a pharmacokinetic study of irinotecan in rats. *Journal of Chromatography B: Analytical Technologies in the Biomedical and Life Sciences*, **2016**, 1015-1016, 34-41	3.2	21
139	SULT1A3-mediated regiospecific 7-O-sulfation of flavonoids in Caco-2 cells can be explained by the relevant molecular docking studies. *Molecular Pharmaceutics*, **2012**, 9, 862-73	5.6	21
138	Kinetic characterization of secretory transport of a new ciprofloxacin derivative (CNV97100) across Caco-2 cell monolayers. *Journal of Pharmaceutical Sciences*, **2002**, 91, 2511-9	3.9	21
137	Comparison of the transport characteristics of D- and L-methionine in a human intestinal epithelial model (Caco-2) and in a perfused rat intestinal model. *Pharmaceutical Research*, **1994**, 11, 1771-6	4.5	21
136	Breast cancer resistance protein-mediated efflux of luteolin glucuronides in HeLa cells overexpressing UDP-glucuronosyltransferase 1A9. *Pharmaceutical Research*, **2014**, 31, 847-60	4.5	20
135	The exposure of highly toxic aconitine does not significantly impact the activity and expression of cytochrome P450 3A in rats determined by a novel ultra performance liquid chromatography-tandem mass spectrometric method of a specific probe buspirone. *Food and Chemical Toxicology*, **2013**, 51, 396-403	4.7	20
134	Species- and gender-dependent differences in the glucuronidation of a flavonoid glucoside and its aglycone determined using expressed UGT enzymes and microsomes. *Biopharmaceutics and Drug Disposition*, **2015**, 36, 622-35	1.7	20
133	Highly variable contents of phenolics in St. John's Wort products affect their transport in the human intestinal Caco-2 cell model: pharmaceutical and biopharmaceutical rationale for product standardization. *Journal of Agricultural and Food Chemistry*, **2010**, 58, 6650-9	5.7	20
132	Revolving door action of breast cancer resistance protein (BCRP) facilitates or controls the efflux of flavone glucuronides from UGT1A9-overexpressing HeLa cells. *Molecular Pharmaceutics*, **2013**, 10, 1736-50	5.6	19

131	Quality, labeling accuracy, and cost comparison of purified soy isoflavonoid products. *Journal of Alternative and Complementary Medicine*, **2004**, 10, 1053-60	2.4	19
130	SGLT-1 Transport and Deglycosylation inside Intestinal Cells Are Key Steps in the Absorption and Disposition of Calycosin-7-O-β-d-Glucoside in Rats. *Drug Metabolism and Disposition*, **2016**, 44, 283-96	4	18
129	Development and validation of a highly sensitive UPLC-MS/MS method for simultaneous determination of aconitine, mesaconitine, hypaconitine, and five of their metabolites in rat blood and its application to a pharmacokinetics study of aconitine, mesaconitine, and hypaconitine. *Xenobiotica*, **2012**, 42, 518-25	2	18
128	Evaluation of 3,3',4'-trihydroxyflavone and 3,6,4'-trihydroxyflavone (4'-O-glucuronidation) as the in vitro functional markers for hepatic UGT1A1. *Molecular Pharmaceutics*, **2011**, 8, 2379-89	5.6	18
127	Sulfation of selected mono-hydroxyflavones by sulfotransferases in vitro: a species and gender comparison. *Journal of Pharmacy and Pharmacology*, **2011**, 63, 967-70	4.8	18
126	P-glycoprotein and bioavailability-implication of polymorphism. *Clinical Chemistry and Laboratory Medicine*, **2000**, 38, 877-81	5.9	18
125	Absolute quantification of UGT1A1 in various tissues and cell lines using isotope label-free UPLC-MS/MS method determines its turnover number and correlates with its glucuronidation activities. *Journal of Pharmaceutical and Biomedical Analysis*, **2014**, 88, 180-90	3.5	17
124	Chemopreventive effect of a mixture of Chinese Herbs (antitumor B) on chemically induced oral carcinogenesis. *Molecular Carcinogenesis*, **2013**, 52, 49-56	5	17
123	In Situ Single-Pass Perfused Rat Intestinal Model for Absorption and Metabolism **2004**, 65-76		17
122	The pharmacokinetics of raloxifene and its interaction with apigenin in rat. *Molecules*, **2010**, 15, 8478-87	4.8	16
121	Simultaneous determinations of 17 marker compounds in Xiao-Chai-Hu-Tang by LC-MS/MS: Application to its pharmacokinetic studies in mice. *Journal of Chromatography B: Analytical Technologies in the Biomedical and Life Sciences*, **2015**, 1003, 12-21	3.2	15
120	Development and validation of a sensitive LC-MS/MS method for simultaneous determination of eight tyrosine kinase inhibitors and its application in mice pharmacokinetic studies. *Journal of Pharmaceutical and Biomedical Analysis*, **2018**, 148, 65-72	3.5	15
119	Potential of herb-drug / herb interactions between substrates and inhibitors of UGTs derived from herbal medicines. *Pharmacological Research*, **2019**, 150, 104510	10.2	15
118	A validated liquid chromatography-tandem mass spectrometry method for the determination of methyl gallate and pentagalloyl glucopyranose: application to pharmacokinetic studies. *Journal of Chromatography B: Analytical Technologies in the Biomedical and Life Sciences*, **2015**, 986-987, 12-7	3.2	15
117	Determination of osthol and its metabolites in a phase I reaction system and the Caco-2 cell model by HPLC-UV and LC-MS/MS. *Journal of Pharmaceutical and Biomedical Analysis*, **2009**, 49, 1226-32	3.5	15
116	Validated LC-MS/MS method for the determination of maackiain and its sulfate and glucuronide in blood: application to pharmacokinetic and disposition studies. *Journal of Pharmaceutical and Biomedical Analysis*, **2011**, 55, 288-93	3.5	15
115	Use of Caco-2 Cell Monolayers to Study Drug Absorption and Metabolism **2004**, 19-35		15
114	LC-MS/MS quantification of sulfotransferases is better than conventional immunogenic methods in determining human liver SULT activities: implication in precision medicine. *Scientific Reports*, **2017**, 7, 3858	4.9	14

113	Accurate prediction of glucuronidation of structurally diverse phenolics by human UGT1A9 using combined experimental and in silico approaches. *Pharmaceutical Research*, **2012**, 29, 1544-61	4.5	14
112	Taurine inhibition of metal-stimulated catecholamine oxidation. *Neurotoxicity Research*, **2000**, 2, 1-15	4.3	14
111	Developing an activity and absorption-based quality control platform for Chinese traditional medicine: Application to Zeng-Sheng-Ping(Antitumor B). *Journal of Ethnopharmacology*, **2015**, 172, 195-201	3	13
110	A new strategy to rapidly evaluate kinetics of glucuronide efflux by breast cancer resistance protein (BCRP/ABCG2). *Pharmaceutical Research*, **2012**, 29, 3199-208	4.5	13
109	Functional and molecular characterization of rat intestinal prolidase. *Pediatric Research*, **2003**, 53, 905-14	3.2	13
108	Development of a validated UPLC-MS/MS method for determination of humantenmine in rat plasma and its application in pharmacokinetics and bioavailability studies. *Biomedical Chromatography*, **2017**, 31, e4017	1.7	12
107	Quantitation of celecoxib and four of its metabolites in rat blood by UPLC-MS/MS clarifies their blood distribution patterns and provides more accurate pharmacokinetics profiles. *Journal of Chromatography B: Analytical Technologies in the Biomedical and Life Sciences*, **2015**, 1001, 202-11	3.2	12
106	Reductive metabolism of oxymatrine is catalyzed by microsomal CYP3A4. *Drug Design, Development and Therapy*, **2015**, 9, 5771-83	4.4	12
105	An LC-MS/MS method for simultaneous determination of nine steroidal saponins from Paris polyphylla var. in rat plasma and its application to pharmacokinetic study. *Journal of Pharmaceutical and Biomedical Analysis*, **2017**, 145, 675-681	3.5	11
104	Characterization of oxygenated metabolites of ginsenoside Rb1 in plasma and urine of rat. *Journal of Agricultural and Food Chemistry*, **2015**, 63, 2689-700	5.7	11
103	Mutual regioselective inhibition of human UGT1A1-mediated glucuronidation of four flavonoids. *Molecular Pharmaceutics*, **2013**, 10, 2891-903	5.6	11
102	Lispro insulin: adsorption and stability in selected intravenous devices. *The Diabetes Educator*, **1999**, 25, 237-45	2.5	11
101	Inhibition of Human UGT1A1-Mediated Bilirubin Glucuronidation by Polyphenolic Acids Impact Safety of Popular Salvianolic Acid A/B-Containing Drugs and Herbal Products. *Molecular Pharmaceutics*, **2017**, 14, 2952-2966	5.6	10
100	UDP-Glucuronosyltransferases 1A6 and 1A9 are the Major Isozymes Responsible for the 7-O-Glucuronidation of Esculetin and 4-Methylesculetin in Human Liver Microsomes. *Drug Metabolism and Disposition*, **2015**, 43, 977-83	4	10
99	An UPLC-MS/MS method for quantifying tetrandrine and its metabolite berbamine in human blood: Application to a human pharmacokinetic study. *Journal of Chromatography B: Analytical Technologies in the Biomedical and Life Sciences*, **2017**, 1070, 92-96	3.2	10
98	Effects of estrogen and estrus cycle on pharmacokinetics, absorption, and disposition of genistein in female Sprague-Dawley rats. *Journal of Agricultural and Food Chemistry*, **2012**, 60, 7949-56	5.7	10
97	Potential role of drug metabolizing enzymes in chemotherapy-induced gastrointestinal toxicity and hepatotoxicity. *Expert Opinion on Drug Metabolism and Toxicology*, **2020**, 16, 1109-1124	5.5	10
96	An update on polyphenol disposition via coupled metabolic pathways. *Expert Opinion on Drug Metabolism and Toxicology*, **2019**, 15, 151-165	5.5	10

95	Metabolism of Phenolic Compounds in LPS-stimulated Raw264.7 Cells Can Impact Their Anti-inflammatory efficacy: Indication of Hesperetin. *Journal of Agricultural and Food Chemistry*, **2018**, 66, 6042-6052	5.7	10
94	Gender-dependent differences in uridine 5'-diphospho-glucuronosyltransferase have implications in metabolism and clearance of xenobiotics. *Expert Opinion on Drug Metabolism and Toxicology*, **2013**, 9, 1555-69	5.5	9
93	Peptide transporter function and prolidase activities in Caco-2 cells: a lack of coordinated expression. *Journal of Drug Targeting*, **1995**, 3, 291-300	5.4	9
92	Establishment and use of new MDCK II cells overexpressing both UGT1A1 and MRP2 to characterize flavonoid metabolism via the glucuronidation pathway. *Molecular Nutrition and Food Research*, **2016**, 60, 1967-83	5.9	9
91	Characterization of oxygenated metabolites of ginsenoside Rg1 in plasma and urine of rat. *Journal of Chromatography B: Analytical Technologies in the Biomedical and Life Sciences*, **2016**, 1026, 75-86	3.2	9
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