

Pieter Annaert

List of Publications by Citations

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The third column is the impact factor (IF) of the journal, and the fourth column is the number of citations of the article.

185
papers

5,936
citations

46
h-index

69
g-index

198
ext. papers

6,852
ext. citations

4.5
avg, IF

5.71
L-index

#	Paper	IF	Citations
185	Ordered mesoporous silica material SBA-15: a broad-spectrum formulation platform for poorly soluble drugs. <i>Journal of Pharmaceutical Sciences</i> , 2009 , 98, 2648-58	3.9	212
184	Increasing the oral bioavailability of the poorly water soluble drug itraconazole with ordered mesoporous silica. <i>European Journal of Pharmaceutics and Biopharmaceutics</i> , 2008 , 69, 223-30	5.7	204
183	Strategies for absorption screening in drug discovery and development. <i>Current Topics in Medicinal Chemistry</i> , 2001 , 1, 367-83	3	171
182	Enhanced absorption of the poorly soluble drug fenofibrate by tuning its release rate from ordered mesoporous silica. <i>European Journal of Pharmaceutical Sciences</i> , 2010 , 41, 623-30	5.1	156
181	Systemic availability and metabolism of colonic-derived short-chain fatty acids in healthy subjects: a stable isotope study. <i>Journal of Physiology</i> , 2017 , 595, 541-555	3.9	140
180	Favipiravir at high doses has potent antiviral activity in SARS-CoV-2-infected hamsters, whereas hydroxychloroquine lacks activity. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , 2020 , 117, 26955-26965	11.5	138
179	A review of drug solubility in human intestinal fluids: implications for the prediction of oral absorption. <i>European Journal of Pharmaceutical Sciences</i> , 2014 , 57, 322-32	5.1	137
178	Interaction of HIV protease inhibitors with OATP1B1, 1B3, and 2B1. <i>Xenobiotica</i> , 2010 , 40, 163-76	2	134
177	The FXR agonist obeticholic acid prevents gut barrier dysfunction and bacterial translocation in cholestatic rats. <i>American Journal of Pathology</i> , 2015 , 185, 409-19	5.8	123
176	Antiretroviral efficacy and pharmacokinetics of oral bis(isopropylloxycarbonyloxymethyl)-9-(2-phosphonylmethoxypropyl)adenine in mice. <i>Antimicrobial Agents and Chemotherapy</i> , 1998 , 42, 1568-73	5.9	111
175	Excipient-mediated supersaturation stabilization in human intestinal fluids. <i>Molecular Pharmaceutics</i> , 2011 , 8, 564-70	5.6	109
174	Postprandial changes in solubilizing capacity of human intestinal fluids for BCS class II drugs. <i>Pharmaceutical Research</i> , 2009 , 26, 1456-66	4.5	104
173	Combined use of ordered mesoporous silica and precipitation inhibitors for improved oral absorption of the poorly soluble weak base itraconazole. <i>European Journal of Pharmaceutics and Biopharmaceutics</i> , 2010 , 75, 354-65	5.7	101
172	Effect of pH and comedication on gastrointestinal absorption of posaconazole: monitoring of intraluminal and plasma drug concentrations. <i>Clinical Pharmacokinetics</i> , 2011 , 50, 725-34	6.2	98
171	In vitro hepatic metabolism explains higher clearance of voriconazole in children versus adults: role of CYP2C19 and flavin-containing monooxygenase 3. <i>Drug Metabolism and Disposition</i> , 2010 , 38, 25-31	4	98
170	Structure-based identification of OATP1B1/3 inhibitors. <i>Molecular Pharmacology</i> , 2013 , 83, 1257-67	4.3	97
169	Pharmacokinetics of caspofungin and voriconazole in critically ill patients during extracorporeal membrane oxygenation. <i>Journal of Antimicrobial Chemotherapy</i> , 2009 , 63, 767-70	5.1	96

168	Sandwich-cultured hepatocytes: utility for in vitro exploration of hepatobiliary drug disposition and drug-induced hepatotoxicity. <i>Expert Opinion on Drug Metabolism and Toxicology</i> , 2013 , 9, 589-616	5.5	94
167	Drug precipitation-permeation interplay: supersaturation in an absorptive environment. <i>European Journal of Pharmaceutics and Biopharmaceutics</i> , 2012 , 82, 424-8	5.7	89
166	Drug supersaturation in simulated and human intestinal fluids representing different nutritional states. <i>Journal of Pharmaceutical Sciences</i> , 2010 , 99, 4525-34	3.9	86
165	Intestinal drug solubility estimation based on simulated intestinal fluids: comparison with solubility in human intestinal fluids. <i>European Journal of Pharmaceutical Sciences</i> , 2011 , 43, 260-9	5.1	85
164	Clinical determinants of calcineurin inhibitor disposition: a mechanistic review. <i>Drug Metabolism Reviews</i> , 2016 , 48, 88-112	7	82
163	Albumin is the main plasma binding protein for indoxyl sulfate and p-cresyl sulfate. <i>Biopharmaceutics and Drug Disposition</i> , 2013 , 34, 165-75	1.7	79
162	High Inpatient Variability of Tacrolimus Concentrations Predicts Accelerated Progression of Chronic Histologic Lesions in Renal Recipients. <i>American Journal of Transplantation</i> , 2016 , 16, 2954-2963	8.7	78
161	The ontogeny of drug metabolizing enzymes and transporters in the rat. <i>Reproductive Toxicology</i> , 2008 , 26, 220-30	3.4	75
160	Ordered mesoporous silica induces pH-independent supersaturation of the basic low solubility compound itraconazole resulting in enhanced transepithelial transport. <i>International Journal of Pharmaceutics</i> , 2008 , 357, 169-79	6.5	74
159	Expression and induction potential of cytochromes P450 in human cryopreserved hepatocytes. <i>Drug Metabolism and Disposition</i> , 2005 , 33, 1004-16	4	72
158	Food-dependent disintegration of immediate release fosamprenavir tablets: in vitro evaluation using magnetic resonance imaging and a dynamic gastrointestinal system. <i>European Journal of Pharmaceutics and Biopharmaceutics</i> , 2011 , 77, 313-9	5.7	69
157	Hepatocyte-based in vitro model for assessment of drug-induced cholestasis. <i>Toxicology and Applied Pharmacology</i> , 2014 , 274, 124-36	4.6	67
156	Role of flavin-containing monooxygenase in oxidative metabolism of voriconazole by human liver microsomes. <i>Drug Metabolism and Disposition</i> , 2008 , 36, 1119-25	4	66
155	Assessment of drug interactions in hepatobiliary transport using rhodamine 123 in sandwich-cultured rat hepatocytes. <i>Drug Metabolism and Disposition</i> , 2005 , 33, 388-94	4	65
154	Sodium fluorescein is a probe substrate for hepatic drug transport mediated by OATP1B1 and OATP1B3. <i>Journal of Pharmaceutical Sciences</i> , 2011 , 100, 5018-30	3.9	64
153	Cell-based models to study hepatic drug metabolism and enzyme induction in humans. <i>Expert Opinion on Drug Metabolism and Toxicology</i> , 2005 , 1, 75-90	5.5	59
152	Ex vivo permeability experiments in excised rat intestinal tissue and in vitro solubility measurements in aspirated human intestinal fluids support age-dependent oral drug absorption. <i>European Journal of Pharmaceutical Sciences</i> , 2010 , 39, 15-22	5.1	58
151	Intramuscular administration of paliperidone palmitate extended-release injectable microsuspension induces a subclinical inflammatory reaction modulating the pharmacokinetics in rats. <i>Journal of Pharmaceutical Sciences</i> , 2014 , 103, 2072-2087	3.9	57

150	Drug-induced cholestasis risk assessment in sandwich-cultured human hepatocytes. <i>Toxicology in Vitro</i> , 2016 , 34, 179-186	3.6	53
149	Higher clearance of micafungin in neonates compared with adults: role of age-dependent micafungin serum binding. <i>Biopharmaceutics and Drug Disposition</i> , 2011 , 32, 222-32	1.7	52
148	Drug absorption studies of prodrug esters using the Caco-2 model: evaluation of ester hydrolysis and transepithelial transport. <i>International Journal of Pharmaceutics</i> , 1998 , 166, 45-53	6.5	52
147	Influence of drug transport proteins on the pharmacokinetics and drug interactions of HIV protease inhibitors. <i>Journal of Pharmaceutical Sciences</i> , 2011 , 100, 3636-54	3.9	51
146	Formulate-ability of ten compounds with different physicochemical profiles in SMEDDS. <i>European Journal of Pharmaceutical Sciences</i> , 2009 , 38, 479-88	5.1	51
145	Rapid conversion of the ester prodrug abiraterone acetate results in intestinal supersaturation and enhanced absorption of abiraterone: in vitro, rat in situ and human in vivo studies. <i>European Journal of Pharmaceutics and Biopharmaceutics</i> , 2015 , 90, 1-7	5.7	50
144	In vitro investigation of the hepatobiliary disposition mechanisms of the antifungal agent micafungin in humans and rats. <i>Drug Metabolism and Disposition</i> , 2010 , 38, 1848-56	4	50
143	The conflict between in vitro release studies in human biorelevant media and the in vivo exposure in rats of the lipophilic compound fenofibrate. <i>International Journal of Pharmaceutics</i> , 2011 , 414, 118-24	6.5	49
142	In situ perfusion in rodents to explore intestinal drug absorption: challenges and opportunities. <i>International Journal of Pharmaceutics</i> , 2015 , 478, 665-81	6.5	48
141	Boosting of HIV protease inhibitors by ritonavir in the intestine: the relative role of cytochrome P450 and P-glycoprotein inhibition based on Caco-2 monolayers versus in situ intestinal perfusion in mice. <i>Drug Metabolism and Disposition</i> , 2012 , 40, 1473-7	4	47
140	Supersaturation in human gastric fluids. <i>European Journal of Pharmaceutics and Biopharmaceutics</i> , 2012 , 81, 184-9	5.7	46
139	Determination of OATP-, NTCP- and OCT-mediated substrate uptake activities in individual and pooled batches of cryopreserved human hepatocytes. <i>European Journal of Pharmaceutical Sciences</i> , 2011 , 43, 297-307	5.1	44
138	Transport, uptake, and metabolism of the bis(pivaloyloxymethyl)-ester prodrug of 9-(2-phosphonylmethoxyethyl)adenine in an in vitro cell culture system of the intestinal mucosa (Caco-2). <i>Pharmaceutical Research</i> , 1997 , 14, 492-6	4.5	43
137	Determinants of the Magnitude of Interaction Between Tacrolimus and Voriconazole/Posaconazole in Solid Organ Recipients. <i>American Journal of Transplantation</i> , 2017 , 17, 2372-2380	8.7	40
136	Confocal imaging with a fluorescent bile acid analogue closely mimicking hepatic taurocholate disposition. <i>Journal of Pharmaceutical Sciences</i> , 2014 , 103, 1872-81	3.9	37
135	Human and simulated intestinal fluids as solvent systems to explore food effects on intestinal solubility and permeability. <i>European Journal of Pharmaceutical Sciences</i> , 2014 , 63, 178-86	5.1	35
134	Drug disposition and clinical practice in neonates: cross talk between developmental physiology and pharmacology. <i>International Journal of Pharmaceutics</i> , 2013 , 452, 8-13	6.5	35
133	Impact of hypoalbuminemia on voriconazole pharmacokinetics in critically ill adult patients. <i>Antimicrobial Agents and Chemotherapy</i> , 2014 , 58, 6782-9	5.9	34

132	Toxicity and intracellular accumulation of bile acids in sandwich-cultured rat hepatocytes: role of glycine conjugates. <i>Toxicology in Vitro</i> , 2014 , 28, 218-30	3.6	34
131	Evaluation of fasted and fed state simulated and human intestinal fluids as solvent system in the Ussing chambers model to explore food effects on intestinal permeability. <i>International Journal of Pharmaceutics</i> , 2015 , 478, 736-44	6.5	34
130	Exploring food effects on indinavir absorption with human intestinal fluids in the mouse intestine. <i>European Journal of Pharmaceutical Sciences</i> , 2013 , 49, 27-32	5.1	33
129	Intestinal perfusion with mesenteric blood sampling in wild-type and knockout mice: evaluation of a novel tool in biopharmaceutical drug profiling. <i>Drug Metabolism and Disposition</i> , 2009 , 37, 1334-7	4	33
128	Hydration changes implicated in the remarkable temperature-dependent membrane permeation of cyclosporin A. <i>Biochemistry</i> , 2000 , 39, 7621-30	3.2	33
127	Preventing release in the acidic environment of the stomach via occlusion in ordered mesoporous silica enhances the absorption of poorly soluble weakly acidic drugs. <i>Journal of Pharmaceutical Sciences</i> , 2011 , 100, 4864-76	3.9	31
126	In situ intestinal perfusion in knockout mice demonstrates inhibition of intestinal p-glycoprotein by ritonavir causing increased darunavir absorption. <i>Drug Metabolism and Disposition</i> , 2010 , 38, 1407-10	4	30
125	Cellular accumulation of cholyl-glycylamido-fluorescein in sandwich-cultured rat hepatocytes: kinetic characterization, transport mechanisms, and effect of human immunodeficiency virus protease inhibitors. <i>Drug Metabolism and Disposition</i> , 2008 , 36, 1315-21	4	30
124	Effect of the Direct Oral Anticoagulants Rivaroxaban and Apixaban on the Disposition of Calcineurin Inhibitors in Transplant Recipients. <i>Therapeutic Drug Monitoring</i> , 2017 , 39, 77-82	3.2	29
123	Evaluation of fasted state human intestinal fluid as apical solvent system in the Caco-2 absorption model and comparison with FaSSIF. <i>European Journal of Pharmaceutical Sciences</i> , 2015 , 67, 126-135	5.1	28
122	In vitro, ex vivo, and in situ intestinal absorption characteristics of the antiviral ester prodrug adefovir dipivoxil. <i>Journal of Pharmaceutical Sciences</i> , 2000 , 89, 1054-62	3.9	28
121	Pharmacokinetics of Posaconazole Oral Suspension in Children Dosed According to Body Surface Area. <i>Pediatric Infectious Disease Journal</i> , 2016 , 35, 183-8	3.4	28
120	The Effect of Food on the Intraluminal Behavior of Abiraterone Acetate in Man. <i>Journal of Pharmaceutical Sciences</i> , 2016 , 105, 2974-2981	3.9	28
119	Evaluation of the potential of ion pair formation to improve the oral absorption of two potent antiviral compounds, AMD3100 and PMPA. <i>International Journal of Pharmaceutics</i> , 1999 , 186, 127-36	6.5	27
118	Increased absorption of the antiviral ester prodrug tenofovir disoproxil in rat ileum by inhibiting its intestinal metabolism. <i>Drug Metabolism and Disposition</i> , 2000 , 28, 1394-6	4	27
117	Physiologically Based Pharmacokinetic Predictions of Tramadol Exposure Throughout Pediatric Life: an Analysis of the Different Clearance Contributors with Emphasis on CYP2D6 Maturation. <i>AAPS Journal</i> , 2015 , 17, 1376-87	3.7	26
116	Human tissue-engineered skeletal muscle: a novel 3D in vitro model for drug disposition and toxicity after intramuscular injection. <i>Scientific Reports</i> , 2018 , 8, 12206	4.9	26
115	Interaction of eight HIV protease inhibitors with the canalicular efflux transporter ABCC2 (MRP2) in sandwich-cultured rat and human hepatocytes. <i>Biopharmaceutics and Drug Disposition</i> , 2010 , 31, 178-88	1.7	26

114	Protein-binding characteristics of voriconazole determined by high-throughput equilibrium dialysis. <i>Journal of Pharmaceutical Sciences</i> , 2014 , 103, 2565-70	3.9	24
113	Solubility profiling of HIV protease inhibitors in human intestinal fluids. <i>Journal of Pharmaceutical Sciences</i> , 2013 , 102, 3800-7	3.9	24
112	Physiologically Based Pharmacokinetic Modeling to Characterize Acetaminophen Pharmacokinetics and N-Acetyl-p-Benzoquinone Imine (NAPQI) Formation in Non-Pregnant and Pregnant Women. <i>Clinical Pharmacokinetics</i> , 2020 , 59, 97-110	6.2	24
111	Integration and validation of the ex vivo human placenta perfusion model. <i>Journal of Pharmacological and Toxicological Methods</i> , 2017 , 88, 25-31	1.7	23
110	PXR/CYP3A4-humanized mice for studying drug-drug interactions involving intestinal P-glycoprotein. <i>Molecular Pharmaceutics</i> , 2013 , 10, 1056-62	5.6	23
109	In Vitro Screening Models to Assess Intestinal Drug Absorption and Metabolism 2008 , 182-215		23
108	Drug-induced Cholestasis: Mechanisms, Models, and Markers. <i>Current Drug Metabolism</i> , 2018 , 19, 808-815	3.5	22
107	The effect of macrophage and angiogenesis inhibition on the drug release and absorption from an intramuscular sustained-release paliperidone palmitate suspension. <i>Journal of Controlled Release</i> , 2016 , 230, 95-108	11.7	21
106	Omics-based responses induced by bosentan in human hepatoma HepaRG cell cultures. <i>Archives of Toxicology</i> , 2018 , 92, 1939-1952	5.8	21
105	Comparative performance of oral midazolam clearance and plasma 4βhydroxycholesterol to explain interindividual variability in tacrolimus clearance. <i>British Journal of Clinical Pharmacology</i> , 2016 , 82, 1539-1549	3.8	20
104	Comparison of the complexation between methylprednisolone and different cyclodextrins in solution by 1H-NMR and molecular modeling studies. <i>Journal of Pharmaceutical Sciences</i> , 2010 , 99, 3863-3873	3.9	20
103	Carrier mechanisms involved in the transepithelial transport of bis(POM)-PMEA and its metabolites across Caco-2 monolayers. <i>Pharmaceutical Research</i> , 1998 , 15, 1168-73	4.5	20
102	Drug-induced cholestasis detection in cryopreserved rat hepatocytes in sandwich culture. <i>Journal of Pharmacological and Toxicological Methods</i> , 2015 , 73, 63-71	1.7	19
101	Modeling the Time Course of the Tissue Responses to Intramuscular Long-acting Paliperidone Palmitate Nano-/Microcrystals and Polystyrene Microspheres in the Rat. <i>Toxicologic Pathology</i> , 2016 , 44, 189-210	2.1	19
100	Pharmacokinetics of caspofungin in a critically ill patient with liver cirrhosis. <i>European Journal of Clinical Pharmacology</i> , 2011 , 67, 753-5	2.8	19
99	Ontogeny of Hepatic Transporters and Drug-Metabolizing Enzymes in Humans and in Nonclinical Species. <i>Pharmacological Reviews</i> , 2021 , 73, 597-678	22.5	19
98	Intestinal behavior of the ester prodrug tenofovir DF in humans. <i>International Journal of Pharmaceutics</i> , 2015 , 485, 131-7	6.5	18
97	Integration of Placental Transfer in a Fetal-Maternal Physiologically Based Pharmacokinetic Model to Characterize Acetaminophen Exposure and Metabolic Clearance in the Fetus. <i>Clinical Pharmacokinetics</i> , 2020 , 59, 911-925	6.2	18

96	Physiology-based IVIVE predictions of tramadol from in vitro metabolism data. <i>Pharmaceutical Research</i> , 2015 , 32, 260-74	4.5	17
95	Sildenafil crosses the placenta at therapeutic levels in a dually perfused human cotyledon model. <i>American Journal of Obstetrics and Gynecology</i> , 2018 , 219, 619.e1-619.e10	6.4	17
94	Antenatal sildenafil administration to prevent pulmonary hypertension in congenital diaphragmatic hernia (SToP-PH): study protocol for a phase I/IIb placenta transfer and safety study. <i>Trials</i> , 2018 , 19, 524	2.8	17
93	Mechanisms and in vitro models of drug-induced cholestasis. <i>Archives of Toxicology</i> , 2019 , 93, 1169-1186	5.8	16
92	Age-dependent activity of the uptake transporters Ntcp and Oatp1b2 in male rat hepatocytes: from birth till adulthood. <i>Drug Metabolism and Disposition</i> , 2015 , 43, 1-8	4	16
91	Validation of a differential in situ perfusion method with mesenteric blood sampling in rats for intestinal drug interaction profiling. <i>Biopharmaceutics and Drug Disposition</i> , 2010 , 31, 278-85	1.7	16
90	Species-specific interaction of HIV protease inhibitors with accumulation of cholyl-glycylamido-fluorescein (CGamF) in sandwich-cultured hepatocytes. <i>Journal of Pharmaceutical Sciences</i> , 2010 , 99, 2886-98	3.9	16
89	Inhibition of intestinal metabolism of the antiviral ester prodrug bis(POC)-PMPA by nature-identical fruit extracts as a strategy to enhance its oral absorption: an in vitro study. <i>Pharmaceutical Research</i> , 1999 , 16, 1035-40	4.5	16
88	Posaconazole plasma exposure correlated to intestinal mucositis in allogeneic stem cell transplant patients. <i>European Journal of Clinical Pharmacology</i> , 2016 , 72, 953-63	2.8	16
87	Robustness testing and optimization of an adverse outcome pathway on cholestatic liver injury. <i>Archives of Toxicology</i> , 2020 , 94, 1151-1172	5.8	15
86	Metabolism of the synthetic cannabinoids AMB-CHMICA and 5C-AKB48 in pooled human hepatocytes and rat hepatocytes analyzed by UHPLC-(IMS)-HR-MS. <i>Journal of Chromatography B: Analytical Technologies in the Biomedical and Life Sciences</i> , 2018 , 1083, 189-197	3.2	15
85	Higher versus standard amikacin single dose in emergency department patients with severe sepsis and septic shock: a randomised controlled trial. <i>International Journal of Antimicrobial Agents</i> , 2018 , 51, 562-570	14.3	15
84	Transplacental transport of paracetamol and its phase II metabolites using the ex vivo placenta perfusion model. <i>Toxicology and Applied Pharmacology</i> , 2019 , 370, 14-23	4.6	14
83	Metabolism and excretion of RWJ-333369 [1,2-ethanediol, 1-(2-chlorophenyl)-, 2-carbamate, (S)-] in mice, rats, rabbits, and dogs. <i>Drug Metabolism and Disposition</i> , 2007 , 35, 566-75	4	14
82	Primary Hepatocytes in Sandwich Culture. <i>Methods in Molecular Biology</i> , 2015 , 1250, 175-88	1.4	14
81	Antiviral treatment of SARS-CoV-2-infected hamsters reveals a weak effect of favipiravir and a complete lack of effect for hydroxychloroquine		14
80	SLC22A1/OCT1 Genotype Affects O-desmethyltramadol Exposure in Newborn Infants. <i>Therapeutic Drug Monitoring</i> , 2016 , 38, 487-92	3.2	14
79	Multimodal non-linear optical imaging for the investigation of drug nano-/microcrystal-cell interactions. <i>European Journal of Pharmaceutics and Biopharmaceutics</i> , 2015 , 96, 338-48	5.7	13

78	In vitro and in vivo investigation of the gastrointestinal behavior of simvastatin. <i>International Journal of Pharmaceutics</i> , 2016 , 510, 296-303	6.5	13
77	Current insights in the complexities underlying drug-induced cholestasis. <i>Critical Reviews in Toxicology</i> , 2019 , 49, 520-548	5.7	13
76	Clearance Prediction of HIV Protease Inhibitors in Man: Role of Hepatic Uptake. <i>Journal of Pharmaceutical Sciences</i> , 2016 , 105, 854-863	3.9	13
75	A Physiology-Based Pharmacokinetic Framework to Support Drug Development and Dose Precision During Therapeutic Hypothermia in Neonates. <i>Frontiers in Pharmacology</i> , 2020 , 11, 587	5.6	12
74	Connexin and Pannexin (Hemi)Channels: Emerging Targets in the Treatment of Liver Disease. <i>Hepatology</i> , 2019 , 69, 1317-1323	11.2	12
73	Effect of ABCB1 diplotype on tacrolimus disposition in renal recipients depends on CYP3A5 and CYP3A4 genotype. <i>Pharmacogenomics Journal</i> , 2017 , 17, 556-562	3.5	11
72	Approaches to Dose Finding in Neonates, Illustrating the Variability between Neonatal Drug Development Programs. <i>Pharmaceutics</i> , 2020 , 12,	6.4	11
71	Investigation of Saliva as an Alternative to Plasma Monitoring of Voriconazole. <i>Clinical Pharmacokinetics</i> , 2015 , 54, 1151-60	6.2	10
70	On the Role of Illness Duration and Nutrient Restriction in Cholestatic Alterations that Occur During Critical Illness. <i>Shock</i> , 2018 , 50, 187-198	3.4	10
69	Pretransplant 4βhydroxycholesterol does not predict tacrolimus exposure or dose requirements during the first days after kidney transplantation. <i>British Journal of Clinical Pharmacology</i> , 2017 , 83, 2406-2415 ^{3,8} ¹⁰		
68	Comparison of the disposition of ester prodrugs of the antiviral agent 9-(2-phosphonylmethoxyethyl)adenine [PMEA] in Caco-2 monolayers. <i>Pharmaceutical Research</i> , 1998 , 15, 239-45	4.5	10
67	Primary hepatocytes and their cultures for the testing of drug-induced liver injury. <i>Advances in Pharmacology</i> , 2019 , 85, 1-30	5.7	10
66	Relationship between In Vivo CYP3A4 Activity, CYP3A5 Genotype, and Systemic Tacrolimus Metabolite/Parent Drug Ratio in Renal Transplant Recipients and Healthy Volunteers. <i>Drug Metabolism and Disposition</i> , 2018 , 46, 1507-1513	4	10
65	MRP2 Inhibition by HIV Protease Inhibitors in Rat and Human Hepatocytes: A Quantitative Confocal Microscopy Study. <i>Drug Metabolism and Disposition</i> , 2018 , 46, 697-703	4	9
64	The Neonatal and Juvenile Pig in Pediatric Drug Discovery and Development. <i>Pharmaceutics</i> , 2020 , 13,	6.4	9
63	Site dependent intestinal absorption of darunavir and its interaction with ketoconazole. <i>European Journal of Pharmaceutical Sciences</i> , 2013 , 49, 51-6	5.1	8
62	Verapamil hepatic clearance in four preclinical rat models: towards activity-based scaling. <i>Biopharmaceutics and Drug Disposition</i> , 2015 , 36, 462-80	1.7	8
61	Influence of formulation composition and process on the characteristics and in vitro release from PLGA-based sustained release injectables. <i>European Journal of Pharmaceutics and Biopharmaceutics</i> , 2015 , 90, 22-9	5.7	8

60	Non-clinical Models to Determine Drug Passage into Human Breast Milk. <i>Current Pharmaceutical Design</i> , 2019 , 25, 534-548	3.3	8
59	Fexofenadine, a Putative In Vivo P-glycoprotein Probe, Fails to Predict Clearance of the Substrate Tacrolimus in Renal Recipients. <i>Clinical Pharmacology and Therapeutics</i> , 2017 , 102, 989-996	6.1	7
58	Non-canonical roles of connexins. <i>Progress in Biophysics and Molecular Biology</i> , 2020 , 153, 35-41	4.7	7
57	Biopharmaceutical profiling of a pyrido[4,3-d] pyrimidine compound library. <i>International Journal of Pharmaceutics</i> , 2013 , 455, 19-30	6.5	7
56	Cell Imaging Counting as a Novel Ex Vivo Approach for Investigating Drug-Induced Hepatotoxicity in Zebrafish Larvae. <i>International Journal of Molecular Sciences</i> , 2017 , 18,	6.3	7
55	Unbound ritonavir concentrations in rat and human hepatocytes. <i>Journal of Pharmaceutical Sciences</i> , 2015 , 104, 2378-87	3.9	7
54	A comprehensive review on non-clinical methods to study transfer of medication into breast milk - A contribution from the ConcePTION project. <i>Biomedicine and Pharmacotherapy</i> , 2021 , 136, 111038	7.5	7
53	Safety Assessment of Compounds after In Vitro Metabolic Conversion Using Zebrafish Eleuthero Embryos. <i>International Journal of Molecular Sciences</i> , 2019 , 20,	6.3	6
52	Role of the OATP Transporter Family and a Benzbromarone-Sensitive Efflux Transporter in the Hepatocellular Disposition of Vincristine. <i>Pharmaceutical Research</i> , 2017 , 34, 2336-2348	4.5	6
51	Stability of therapeutic albumin solutions used for molecular adsorbent recirculating system-based liver dialysis. <i>Artificial Organs</i> , 2012 , 36, 29-41	2.6	6
50	Pharmacokinetic profile of voriconazole in a critically ill patient on therapeutic plasma exchange. <i>Therapeutic Drug Monitoring</i> , 2013 , 35, 141-3	3.2	6
49	Drug Transport in the Liver 359-410		6
48	Lipophilic nalmefene prodrugs to achieve a one-month sustained release. <i>Journal of Controlled Release</i> , 2016 , 232, 196-202	11.7	6
47	Metabolism of the synthetic cannabinoid 5F-PY-PICA by human and rat hepatocytes and identification of biliary analytical targets by directional efflux in sandwich-cultured rat hepatocytes using UHPLC-HR-MS/MS. <i>Journal of Pharmaceutical and Biomedical Analysis</i> , 2018 , 149, 296-307	3.5	6
46	Extra collagen overlay prolongs the differentiated phenotype in sandwich-cultured rat hepatocytes. <i>Journal of Pharmacological and Toxicological Methods</i> , 2018 , 90, 31-38	1.7	5
45	Novel natural and synthetic inhibitors of solute carriers SGLT1 and SGLT2. <i>Pharmacology Research and Perspectives</i> , 2019 , 7, e00504	3.1	5
44	Comparison between 2-hydroxypropyl- β -cyclodextrin and 2-hydroxypropyl- β -cyclodextrin for inclusion complex formation with danazol. <i>Journal of Inclusion Phenomena and Macrocyclic Chemistry</i> , 2011 , 71, 137-147		5
43	Meropenem Stability in Human Plasma at -20 °C: Detailed Assessment of Degradation. <i>Antibiotics</i> , 2021 , 10,	4.9	5

42	Drug-induced cholestasis assay in primary hepatocytes. <i>MethodsX</i> , 2020 , 7, 101080	1.9	4
41	Quantitative determination of colistin A/B and colistin methanesulfonate in biological samples using hydrophilic interaction chromatography tandem mass spectrometry. <i>Drug Testing and Analysis</i> , 2020 , 12, 1183-1195	3.5	4
40	Transport-Metabolism Interplay of Atazanavir in Rat Hepatocytes. <i>Drug Metabolism and Disposition</i> , 2016 , 44, 389-97	4	4
39	Hepatic Clearance Prediction of Nine Human Immunodeficiency Virus Protease Inhibitors in Rat. <i>Journal of Pharmaceutical Sciences</i> , 2016 , 105, 846-853	3.9	4
38	Nelfinavir markedly improves lung pathology in SARS-CoV-2-infected Syrian hamsters despite lack of an antiviral effect		4
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