

Patrick F Augustijns

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364
papers

15,576
citations

68
h-index

106
g-index

376
ext. papers

17,552
ext. citations

5.1
avg, IF

6.58
L-index

#	Paper	IF	Citations
364	Supersaturating drug delivery systems: the answer to solubility-limited oral bioavailability?. <i>Journal of Pharmaceutical Sciences</i> , 2009 , 98, 2549-72	3.9	664
363	Top-down production of drug nanocrystals: nanosuspension stabilization, miniaturization and transformation into solid products. <i>International Journal of Pharmaceutics</i> , 2008 , 364, 64-75	6.5	533
362	Physical stabilisation of amorphous ketoconazole in solid dispersions with polyvinylpyrrolidone K25. <i>European Journal of Pharmaceutical Sciences</i> , 2001 , 12, 261-9	5.1	333
361	In vitro models for the prediction of in vivo performance of oral dosage forms. <i>European Journal of Pharmaceutical Sciences</i> , 2014 , 57, 342-66	5.1	240
360	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
359	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
358	Comparison of drug transporter gene expression and functionality in Caco-2 cells from 10 different laboratories. <i>European Journal of Pharmaceutical Sciences</i> , 2008 , 35, 383-96	5.1	198
357	In vivo methods for drug absorption - comparative physiologies, model selection, correlations with in vitro methods (IVIVC), and applications for formulation/API/excipient characterization including food effects. <i>European Journal of Pharmaceutical Sciences</i> , 2014 , 57, 99-151	5.1	196
356	Physical state of poorly water soluble therapeutic molecules loaded into SBA-15 ordered mesoporous silica carriers: a case study with itraconazole and ibuprofen. <i>Langmuir</i> , 2008 , 24, 8651-9	4	185
355	Histamine Receptor H1-Mediated Sensitization of TRPV1 Mediates Visceral Hypersensitivity and Symptoms in Patients With Irritable Bowel Syndrome. <i>Gastroenterology</i> , 2016 , 150, 875-87.e9	13.3	184
354	Enhanced release of itraconazole from ordered mesoporous SBA-15 silica materials. <i>Chemical Communications</i> , 2007 , 1375-7	5.8	178
353	Evaluation of gastrointestinal drug supersaturation and precipitation: strategies and issues. <i>International Journal of Pharmaceutics</i> , 2013 , 453, 25-35	6.5	172
352	Physicochemical characterization of solid dispersions of the antiviral agent UC-781 with polyethylene glycol 6000 and Gelucire 44/14. <i>European Journal of Pharmaceutical Sciences</i> , 2000 , 10, 311-22	5.1	171
351	A screening study of surface stabilization during the production of drug nanocrystals. <i>Journal of Pharmaceutical Sciences</i> , 2009 , 98, 2091-103	3.9	163
350	Drying of crystalline drug nanosuspensions-the importance of surface hydrophobicity on dissolution behavior upon redispersion. <i>European Journal of Pharmaceutical Sciences</i> , 2008 , 35, 127-35	5.1	159
349	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
348	Nasal vaccination with N-trimethyl chitosan and PLGA based nanoparticles: nanoparticle characteristics determine quality and strength of the antibody response in mice against the encapsulated antigen. <i>Vaccine</i> , 2010 , 28, 6282-91	4.1	151

347	Evidence for a polarized efflux system in CACO-2 cells capable of modulating cyclosporin A transport. <i>Biochemical and Biophysical Research Communications</i> , 1993 , 197, 360-5	3.4	151
346	Physico-chemical characterization of solid dispersions of temazepam with polyethylene glycol 6000 and PVP K30. <i>International Journal of Pharmaceutics</i> , 1998 , 164, 67-80	6.5	146
345	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
344	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
343	Characterization of Human Duodenal Fluids in Fasted and Fed State Conditions. <i>Journal of Pharmaceutical Sciences</i> , 2016 , 105, 673-681	3.9	134
342	Interaction of HIV protease inhibitors with OATP1B1, 1B3, and 2B1. <i>Xenobiotica</i> , 2010 , 40, 163-76	2	134
341	Effect of simulated intestinal fluid on drug permeability estimation across Caco-2 monolayers. <i>International Journal of Pharmaceutics</i> , 2004 , 274, 221-32	6.5	130
340	Simulated intestinal fluid as transport medium in the Caco-2 cell culture model. <i>International Journal of Pharmaceutics</i> , 2002 , 232, 183-92	6.5	129
339	Characterization of fasted-state human intestinal fluids collected from duodenum and jejunum. <i>Journal of Pharmacy and Pharmacology</i> , 2006 , 58, 1079-89	4.8	123
338	Supersaturating drug delivery systems: fast is not necessarily good enough. <i>Journal of Pharmaceutical Sciences</i> , 2012 , 101, 7-9	3.9	120
337	The mechanisms of pharmacokinetic food-drug interactions - A perspective from the UNGAP group. <i>European Journal of Pharmaceutical Sciences</i> , 2019 , 134, 31-59	5.1	119
336	Successful oral delivery of poorly water-soluble drugs both depends on the intraluminal behavior of drugs and of appropriate advanced drug delivery systems. <i>European Journal of Pharmaceutical Sciences</i> , 2019 , 137, 104967	5.1	118
335	Antiretroviral efficacy and pharmacokinetics of oral bis(isopropoxyloxycarbonyloxymethyl)-9-(2-phosphonylmethoxypropyl)adenine in mice. <i>Antimicrobial Agents and Chemotherapy</i> , 1998 , 42, 1568-73	5.9	111
334	Excipient-mediated supersaturation stabilization in human intestinal fluids. <i>Molecular Pharmaceutics</i> , 2011 , 8, 564-70	5.6	109
333	In vivo, in vitro and in silico methods for small molecule transfer across the BBB. <i>Journal of Pharmaceutical Sciences</i> , 2009 , 98, 4429-68	3.9	109
332	Characterization of physico-chemical properties and pharmaceutical performance of sucrose co-freeze-dried solid nanoparticulate powders of the anti-HIV agent loviride prepared by media milling. <i>International Journal of Pharmaceutics</i> , 2007 , 338, 198-206	6.5	109
331	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
330	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

329	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
328	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
327	Postprandial evolution in composition and characteristics of human duodenal fluids in different nutritional states. <i>Journal of Pharmaceutical Sciences</i> , 2009 , 98, 1177-92	3.9	98
326	Structure-based identification of OATP1B1/3 inhibitors. <i>Molecular Pharmacology</i> , 2013 , 83, 1257-67	4.3	97
325	Investigation of thermal properties of glassy itraconazole: identification of a monotropic mesophase. <i>Thermochimica Acta</i> , 2001 , 376, 175-181	2.9	95
324	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
323	Self-Assembly of Cyclodextrins and Their Complexes in Aqueous Solutions. <i>Journal of Pharmaceutical Sciences</i> , 2016 , 105, 2556-2569	3.9	90
322	The use of human nasal in vitro cell systems during drug discovery and development. <i>Toxicology in Vitro</i> , 2005 , 19, 107-22	3.6	90
321	Drug precipitation-permeation interplay: supersaturation in an absorptive environment. <i>European Journal of Pharmaceutics and Biopharmaceutics</i> , 2012 , 82, 424-8	5.7	89
320	Solubility increases associated with crystalline drug nanoparticles: methodologies and significance. <i>Molecular Pharmaceutics</i> , 2010 , 7, 1858-70	5.6	89
319	Thiolated chitosan nanoparticles for the nasal administration of leuprolide: bioavailability and pharmacokinetic characterization. <i>International Journal of Pharmaceutics</i> , 2012 , 428, 164-70	6.5	87
318	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
317	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
316	Use of azo polymers for colon-specific drug delivery. <i>Journal of Pharmaceutical Sciences</i> , 1997 , 86, 1321-3	3.9	83
315	Microbiota-Derived Phenylacetylglutamine Associates with Overall Mortality and Cardiovascular Disease in Patients with CKD. <i>Journal of the American Society of Nephrology: JASN</i> , 2016 , 27, 3479-3487	12.7	83
314	The Influence of CKD on Colonic Microbial Metabolism. <i>Journal of the American Society of Nephrology: JASN</i> , 2016 , 27, 1389-99	12.7	82
313	Impact of regional differences along the gastrointestinal tract of healthy adults on oral drug absorption: An UNGAP review. <i>European Journal of Pharmaceutical Sciences</i> , 2019 , 134, 153-175	5.1	81
312	Metabolism of stevioside in pigs and intestinal absorption characteristics of stevioside, rebaudioside A and steviol. <i>Food and Chemical Toxicology</i> , 2003 , 41, 1599-607	4.7	81

311	Oral biopharmaceutics tools - time for a new initiative - an introduction to the IMI project OrBiTo. <i>European Journal of Pharmaceutical Sciences</i> , 2014 , 57, 292-9	5.1	80
310	Do Roux-en-Y gastric bypass patients meet the dietary guidelines?. <i>Archives of Public Health</i> , 2014 , 72,	2.6	78
309	Supersaturation and Precipitation of Posaconazole Upon Entry in the Upper Small Intestine in Humans. <i>Journal of Pharmaceutical Sciences</i> , 2016 , 105, 2677-2684	3.9	78
308	Napsamycins, new <i>Pseudomonas</i> active antibiotics of the mureidomycin family from <i>Streptomyces</i> sp. HIL Y-82,11372. <i>Journal of Antibiotics</i> , 1994 , 47, 595-8	3.7	77
307	Drug permeability profiling using cell-free permeation tools: Overview and applications. <i>European Journal of Pharmaceutical Sciences</i> , 2018 , 119, 219-233	5.1	75
306	Intraluminal drug and formulation behavior and integration in in vitro permeability estimation: a case study with amprenavir. <i>Journal of Pharmaceutical Sciences</i> , 2006 , 95, 372-83	3.9	75
305	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
304	Biological, pharmaceutical, and analytical considerations with respect to the transport media used in the absorption screening system, Caco-2. <i>Journal of Pharmaceutical Sciences</i> , 2003 , 92, 1545-58	3.9	74
303	Aging behavior of pharmaceutical formulations of itraconazole on SBA-15 ordered mesoporous silica carrier material. <i>Microporous and Mesoporous Materials</i> , 2010 , 130, 154-161	5.3	73
302	Microcrystalline cellulose, a useful alternative for sucrose as a matrix former during freeze-drying of drug nanosuspensions - a case study with itraconazole. <i>European Journal of Pharmaceutics and Biopharmaceutics</i> , 2008 , 70, 590-6	5.7	73
301	Intestinal absorption enhancement of the ester prodrug tenofovir disoproxil fumarate through modulation of the biochemical barrier by defined ester mixtures. <i>Drug Metabolism and Disposition</i> , 2002 , 30, 924-30	4	72
300	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
299	Exploring gastrointestinal variables affecting drug and formulation behavior: Methodologies, challenges and opportunities. <i>International Journal of Pharmaceutics</i> , 2017 , 519, 79-97	6.5	68
298	Gastrointestinal behavior of nano- and micro-sized fenofibrate: In vivo evaluation in man and in vitro simulation by assessment of the permeation potential. <i>European Journal of Pharmaceutical Sciences</i> , 2015 , 77, 40-7	5.1	68
297	Evaluation of various PAMPA models to identify the most discriminating method for the prediction of BBB permeability. <i>European Journal of Pharmaceutics and Biopharmaceutics</i> , 2010 , 74, 495-502	5.7	68
296	Hepatocyte-based in vitro model for assessment of drug-induced cholestasis. <i>Toxicology and Applied Pharmacology</i> , 2014 , 274, 124-36	4.6	67
295	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
294	Incomplete desorption of liquid excipients reduces the in vitro and in vivo performance of self-emulsifying drug delivery systems solidified by adsorption onto an inorganic mesoporous carrier. <i>Molecular Pharmaceutics</i> , 2012 , 9, 2750-60	5.6	64

293	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
292	Multidrug resistance-associated protein 2 (MRP2) affects hepatobiliary elimination but not the intestinal disposition of tenofovir disoproxil fumarate and its metabolites. <i>Xenobiotica</i> , 2005 , 35, 1055-66		64
291	Characterization of glassy itraconazole: a comparative study of its molecular mobility below T(g) with that of structural analogues using MTDSC. <i>International Journal of Pharmaceutics</i> , 2001 , 213, 163-73	6.5	64
290	Impact of gastrointestinal physiology on drug absorption in special populations--An UNGAP review. <i>European Journal of Pharmaceutical Sciences</i> , 2020 , 147, 105280	5.1	63
289	Transport of artemisinin and sodium artesunate in Caco-2 intestinal epithelial cells. <i>Journal of Pharmaceutical Sciences</i> , 1996 , 85, 577-9	3.9	63
288	The Influence of Dietary Protein Intake on Mammalian Tryptophan and Phenolic Metabolites. <i>PLoS ONE</i> , 2015 , 10, e0140820	3.7	62
287	Alternative matrix formers for nanosuspension solidification: Dissolution performance and X-ray microanalysis as an evaluation tool for powder dispersion. <i>European Journal of Pharmaceutical Sciences</i> , 2008 , 35, 344-53	5.1	61
286	The angiotensin converting enzyme inhibitory tripeptides Ile-Pro-Pro and Val-Pro-Pro show increasing permeabilities with increasing physiological relevance of absorption models. <i>Peptides</i> , 2008 , 29, 1312-20	3.8	61
285	The Influence of Prebiotic Arabinoxylan Oligosaccharides on Microbiota Derived Uremic Retention Solutes in Patients with Chronic Kidney Disease: A Randomized Controlled Trial. <i>PLoS ONE</i> , 2016 , 11, e0153893	3.7	61
284	Novel generic UPLC/MS/MS method for high throughput analysis applied to permeability assessment in early Drug Discovery. <i>Journal of Chromatography B: Analytical Technologies in the Biomedical and Life Sciences</i> , 2007 , 847, 182-7	3.2	60
283	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
282	In vitro models for the prediction of in vivo performance of oral dosage forms: Recent progress from partnership through the IMI OrBiTo collaboration. <i>European Journal of Pharmaceutics and Biopharmaceutics</i> , 2019 , 136, 70-83	5.7	58
281	In vitro evaluation of viability, integrity, and inflammation in genital epithelia upon exposure to pharmaceutical excipients and candidate microbicides. <i>Antimicrobial Agents and Chemotherapy</i> , 2010 , 54, 5105-14	5.9	57
280	Inulin hydrogels as carriers for colonic drug targeting: I. Synthesis and characterization of methacrylated inulin and hydrogel formation. <i>Pharmaceutical Research</i> , 1997 , 14, 1730-7	4.5	57
279	Improvement of the dissolution rate of artemisinin by means of supercritical fluid technology and solid dispersions. <i>International Journal of Pharmaceutics</i> , 2003 , 254, 173-81	6.5	57
278	Inulin hydrogels. I. Dynamic and equilibrium swelling properties. <i>International Journal of Pharmaceutics</i> , 1998 , 172, 127-135	6.5	56
277	Thermal Properties of Hot-Stage Extrudates of Itraconazole and Eudragit E100. Phase separation and polymorphism. <i>Magyar Árvad Kélelmiseg</i> , 2002 , 68, 591-601	0	55
276	Gastrointestinal transfer: in vivo evaluation and implementation in in vitro and in silico predictive tools. <i>European Journal of Pharmaceutical Sciences</i> , 2014 , 63, 233-42	5.1	54

275	The effect of food components on the absorption of P-gp substrates: a review. <i>Journal of Pharmacy and Pharmacology</i> , 2003 , 55, 153-62	4.8	54
274	Classification of the crystallization behavior of amorphous active pharmaceutical ingredients in aqueous environments. <i>Pharmaceutical Research</i> , 2014 , 31, 969-82	4.5	53
273	Local immune response to food antigens drives meal-induced abdominal pain. <i>Nature</i> , 2021 , 590, 151-156	6.4	53
272	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
271	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
270	The dynamic gastric environment and its impact on drug and formulation behaviour. <i>European Journal of Pharmaceutical Sciences</i> , 2017 , 96, 207-231	5.1	51
269	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
268	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
267	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
266	In vitro behavior of a phosphate ester prodrug of amprenavir in human intestinal fluids and in the Caco-2 system: illustration of intraluminal supersaturation. <i>International Journal of Pharmaceutics</i> , 2007 , 336, 302-9	6.5	50
265	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
264	Use of Caco-2 cells and LC/MS/MS to screen a peptide combinatorial library for permeable structures. <i>International Journal of Pharmaceutics</i> , 1999 , 177, 103-15	6.5	49
263	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
262	Validation of Dissolution Testing with Biorelevant Media: An OrBiTo Study. <i>Molecular Pharmaceutics</i> , 2017 , 14, 4192-4201	5.6	48
261	Synthesis and characterisation of inulin-azo hydrogels designed for colon targeting. <i>International Journal of Pharmaceutics</i> , 2001 , 213, 143-52	6.5	48
260	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
259	An in vitro biorelevant gastrointestinal transfer (BioGIT) system for forecasting concentrations in the fasted upper small intestine: Design, implementation, and evaluation. <i>European Journal of Pharmaceutical Sciences</i> , 2016 , 82, 106-14	5.1	46
258	Supersaturation in human gastric fluids. <i>European Journal of Pharmaceutics and Biopharmaceutics</i> , 2012 , 81, 184-9	5.7	46

257	Scintigraphic evaluation in rabbits of nasal drug delivery systems based on carbopol 971p((R)) and carboxymethylcellulose. <i>Journal of Controlled Release</i> , 2000 , 68, 207-14	11.7	46
256	Iron deficiency after Roux-en-Y gastric bypass: insufficient iron absorption from oral iron supplements. <i>Obesity Surgery</i> , 2014 , 24, 56-61	3.7	45
255	Itraconazole/TPGS/Aerosil200 solid dispersions: characterization, physical stability and in vivo performance. <i>European Journal of Pharmaceutical Sciences</i> , 2009 , 38, 270-8	5.1	45
254	Downscaling drug nanosuspension production: processing aspects and physicochemical characterization. <i>AAPS PharmSciTech</i> , 2009 , 10, 44-53	3.9	45
253	In Silico Modeling Approach for the Evaluation of Gastrointestinal Dissolution, Supersaturation, and Precipitation of Posaconazole. <i>Molecular Pharmaceutics</i> , 2017 , 14, 4321-4333	5.6	44
252	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
251	In vitro intestinal transport and antihypertensive activity of ACE inhibitory pea and whey digests. <i>International Journal of Food Sciences and Nutrition</i> , 2005 , 56, 415-30	3.7	44
250	Species-dependent and site-specific intestinal metabolism of ester prodrugs. <i>International Journal of Pharmaceutics</i> , 2000 , 205, 93-100	6.5	44
249	Associations of Soluble CD14 and Endotoxin with Mortality, Cardiovascular Disease, and Progression of Kidney Disease among Patients with CKD. <i>Clinical Journal of the American Society of Nephrology: CJASN</i> , 2015 , 10, 1525-33	6.9	43
248	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
247	Metabolism, Protein Binding, and Renal Clearance of Microbiota-Derived p-Cresol in Patients with CKD. <i>Clinical Journal of the American Society of Nephrology: CJASN</i> , 2016 , 11, 1136-44	6.9	43
246	Application of PAMPA-models to predict BBB permeability including efflux ratio, plasma protein binding and physicochemical parameters. <i>International Journal of Pharmaceutics</i> , 2010 ,	6.5	42
245	HPLC with programmed wavelength fluorescence detection for the simultaneous determination of marker compounds of integrity and P-gp functionality in the Caco-2 intestinal absorption model. <i>Journal of Pharmaceutical and Biomedical Analysis</i> , 2004 , 34, 971-8	3.5	42
244	Impact of gastrointestinal tract variability on oral drug absorption and pharmacokinetics: An UNGAP review. <i>European Journal of Pharmaceutical Sciences</i> , 2021 , 162, 105812	5.1	41
243	Gastrointestinal dissolution, supersaturation and precipitation of the weak base indinavir in healthy volunteers. <i>European Journal of Pharmaceutics and Biopharmaceutics</i> , 2016 , 109, 122-129	5.7	41
242	Preoperative administration of the 5-HT4 receptor agonist prucalopride reduces intestinal inflammation and shortens postoperative ileus via cholinergic enteric neurons. <i>Gut</i> , 2019 , 68, 1406-1416 ^{19,2}		41
241	Cardiovascular disease relates to intestinal uptake of p-cresol in patients with chronic kidney disease. <i>BMC Nephrology</i> , 2014 , 15, 87	2.7	40
240	In-vitro nasal drug delivery studies: comparison of derivatised, fibrillar and polymerised collagen matrix-based human nasal primary culture systems for nasal drug delivery studies. <i>Journal of Pharmacy and Pharmacology</i> , 2001 , 53, 1447-56	4.8	40

239	Parallel monitoring of plasma and intraluminal drug concentrations in man after oral administration of fosamprenavir in the fasted and fed state. <i>Pharmaceutical Research</i> , 2007 , 24, 1862-9	4.5	40
238	Safety assessment of selected cyclodextrins - effect on ciliary activity using a human cell suspension culture model exhibiting in vitro ciliogenesis. <i>International Journal of Pharmaceutics</i> , 2000 , 193, 219-26	6.5	40
237	Lipid-based formulations solidified via adsorption onto the mesoporous carrier Neusilin [®] US2: effect of drug type and formulation composition on in vitro pharmaceutical performance. <i>Journal of Pharmaceutical Sciences</i> , 2014 , 103, 1734-46	3.9	39
236	An In-Depth View into Human Intestinal Fluid Colloids: Intersubject Variability in Relation to Composition. <i>Molecular Pharmaceutics</i> , 2016 , 13, 3484-3493	5.6	38
235	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
234	Inulin hydrogels. II. In vitro degradation study. <i>International Journal of Pharmaceutics</i> , 1998 , 172, 137-145	5.5	37
233	Usefulness of a novel Caco-2 cell perfusion system. I. In vitro prediction of the absorption potential of passively diffused compounds. <i>Journal of Pharmaceutical Sciences</i> , 2004 , 93, 2507-21	3.9	37
232	Tunability of Pore Diameter and Particle Size of Amorphous Microporous Silica for Diffusive Controlled Release of Drug Compounds. <i>Journal of Physical Chemistry C</i> , 2007 , 111, 13404-13409	3.8	36
231	Stereoselective pharmacokinetic properties of chloroquine and de-ethyl-chloroquine in humans. <i>Clinical Pharmacokinetics</i> , 1993 , 24, 259-69	6.2	36
230	Gastrointestinal and Systemic Monitoring of Posaconazole in Humans After Fasted and Fed State Administration of a Solid Dispersion. <i>Journal of Pharmaceutical Sciences</i> , 2016 , 105, 2904-2912	3.9	36
229	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
228	Molecular organization of hydrophobic molecules and co-adsorbed water in SBA-15 ordered mesoporous silica material. <i>Physical Chemistry Chemical Physics</i> , 2011 , 13, 2706-13	3.6	35
227	High-speed digital imaging method for ciliary beat frequency measurement. <i>Journal of Pharmacy and Pharmacology</i> , 2005 , 57, 521-6	4.8	35
226	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
225	Micronutrient intake, from diet and supplements, and association with status markers in pre- and post-RYGB patients. <i>Clinical Nutrition</i> , 2017 , 36, 1175-1181	5.9	34
224	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
223	Potential of amorphous microporous silica for ibuprofen controlled release. <i>International Journal of Pharmaceutics</i> , 2010 , 397, 84-91	6.5	34
222	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

221	Equilibrium drug solubility measurements in 96-well plates reveal similar drug solubilities in phosphate buffer pH 6.8 and human intestinal fluid. <i>International Journal of Pharmaceutics</i> , 2011 , 405, 132-6	6.5	33
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