Anette Mllertz

List of Publications by Year in Descending Order

239 papers	8,966 citations	53 h-index	82 g-index
250 ext. papers	9,921 ext. citations	5.3 avg, IF	6.23 L-index

#	Paper	IF	Citations
239	Impact of oral gavage technique of drug-containing microcontainers on the gastrointestinal transit and absorption in rats.. *International Journal of Pharmaceutics*, **2022**, 121630	6.5	
238	Elucidating Pathway and Anesthetic Mechanism of Action of Clove Oil Nanoformulations in Fish. *Pharmaceutics*, **2022**, 14, 919	6.4	0
237	Investigating the effect of graphene oxide in chitosan/alginate-based foams on the release and antifungal activity of clotrimazole in vitro.. *European Journal of Pharmaceutical Sciences*, **2022**, 106204	5.1	1
236	Physico-chemical characterization of aspirated and simulated human gastric fluids to study their influence on the intrinsic dissolution rate of cinnarizine. *International Journal of Pharmaceutics*, **2022**, 622, 121856	6.5	1
235	Oligonucleotide Delivery across the Caco-2 Monolayer: The Design and Evaluation of Self-Emulsifying Drug Delivery Systems (SEDDS). *Pharmaceutics*, **2021**, 13,	6.4	4
234	Estimating the Oral Absorption from Self-Nanoemulsifying Drug Delivery Systems Using an In Vitro Lipolysis-Permeation Method. *Pharmaceutics*, **2021**, 13,	6.4	5
233	Visualizing the Journey of Fenofibrate through the Rat Gastrointestinal Tract by Matrix-Assisted Laser Desorption/Ionization-Mass Spectrometry Imaging. *Molecular Pharmaceutics*, **2021**, 18, 2189-2197	5.6	2
232	Current challenges and future perspectives in oral absorption research: An opinion of the UNGAP network. *Advanced Drug Delivery Reviews*, **2021**, 171, 289-331	18.5	30
231	X-ray Imaging for Gastrointestinal Tracking of Microscale Oral Drug Delivery Devices. *ACS Biomaterials Science and Engineering*, **2021**, 7, 2538-2547	5.5	3
230	In vitro and in vivo comparison of microcontainers and microspheres for oral drug delivery. *International Journal of Pharmaceutics*, **2021**, 600, 120516	6.5	2
229	Development of gastro-resistant coated probiotic granulates and evaluation of viability and release during simulated upper gastrointestinal transit. *LWT - Food Science and Technology*, **2021**, 144, 111174	5.4	2
228	Exploring porcine gastric and intestinal fluids using microscopic and solubility estimates: Impact of placebo self-emulsifying drug delivery system administration to inform bio-predictive in vitro tools. *European Journal of Pharmaceutical Sciences*, **2021**, 161, 105778	5.1	2
227	Fasted and fed state human duodenal fluids: Characterization, drug solubility, and comparison to simulated fluids and with human bioavailability. *European Journal of Pharmaceutics and Biopharmaceutics*, **2021**, 163, 240-251	5.7	3
226	Hot punching for loading of biodegradable microcontainers with budesonide-Soluplus film. *Biomedical Microdevices*, **2021**, 23, 37	3.7	0
225	INFOGEST inter-laboratory recommendations for assaying gastric and pancreatic lipases activities prior to in vitro digestion studies. *Journal of Functional Foods*, **2021**, 82, 104497	5.1	10
224	Towards analyzing the potential of exosomes to deliver microRNA therapeutics. *Journal of Cellular Physiology*, **2021**, 236, 1529-1544	7	8
223	Design of a self-unfolding delivery concept for oral administration of macromolecules. *Journal of Controlled Release*, **2021**, 329, 948-954	11.7	7

222	The Influence of Solidification on the in vitro Solubilisation of Blonanserin Loaded Supersaturated Lipid-Based Oral Formulations. *European Journal of Pharmaceutical Sciences*, **2021**, 157, 105640	5.1	0
221	Design and optimization of self-nanoemulsifying drug delivery systems of clove oil for efficacy enhancement in fish anesthesia. *Journal of Drug Delivery Science and Technology*, **2021**, 61, 102241	4.5	3
220	Predicting Oral Absorption of fenofibrate in Lipid-Based Drug Delivery Systems by Combining In Vitro Lipolysis with the Mucus-PVPA Permeability Model. *Journal of Pharmaceutical Sciences*, **2021**, 110, 208-216	3.9	5
219	Effects of recombinant human gastric lipase and pancreatin during in vitro pediatric gastro-intestinal digestion. *Food and Function*, **2021**, 12, 2938-2949	6.1	2
218	Exploring the Impact of Intestinal Fluid Components on the Solubility and Supersaturation of Danazol. *Journal of Pharmaceutical Sciences*, **2021**, 110, 2479-2488	3.9	1
217	Development of Self-Nanoemulsifying Drug Delivery Systems Containing 4-Allylpyrocatechol for Treatment of Oral Infections Caused by. *Pharmaceutics*, **2021**, 13,	6.4	2
216	Dairy-Derived Emulsifiers in Infant Formula Show Marginal Effects on the Plasma Lipid Profile and Brain Structure in Preterm Piglets Relative to Soy Lecithin. *Nutrients*, **2021**, 13,	6.7	3
215	Drug solubilization during simulated pediatric gastro-intestinal digestion. *European Journal of Pharmaceutical Sciences*, **2021**, 162, 105828	5.1	1
214	Formulation optimization, anesthetic activity, skin permeation, and transportation pathway of Alpinia galanga oil SNEDDS in zebrafish (Danio rerio). *European Journal of Pharmaceutics and Biopharmaceutics*, **2021**, 165, 193-202	5.7	1
213	Bovine Milk-Derived Emulsifiers Increase Triglyceride Absorption in Newborn Formula-Fed Pigs. *Nutrients*, **2021**, 13,	6.7	3
212	Impact of gastrointestinal physiology on drug absorption in special populations--An UNGAP review. *European Journal of Pharmaceutical Sciences*, **2020**, 147, 105280	5.1	63
211	Evaluation of self-emulsifying drug delivery systems for oral insulin delivery using an in vitro model simulating the intestinal proteolysis. *European Journal of Pharmaceutical Sciences*, **2020**, 147, 105272	5.1	10
210	Towards the development of Self-Nano-Emulsifying Drug Delivery Systems (SNEDDS) containing trimethyl chitosan for the oral delivery of amphotericin B: In vitro assessment and cytocompatibility studies. *Journal of Drug Delivery Science and Technology*, **2020**, 56, 101524	4.5	11
209	In Vitro, Ex Vivo and In Vivo Evaluation of Microcontainers for Oral Delivery of Insulin. *Pharmaceutics*, **2020**, 12,	6.4	10
208	Milk osteopontin retains integrin-binding activity after in vitro gastrointestinal transit. *Journal of Dairy Science*, **2020**, 103, 42-51	4	9
207	Comparison of induction methods for supersaturation: Amorphous dissolution versus solvent shift. *European Journal of Pharmaceutics and Biopharmaceutics*, **2020**, 152, 35-43	5.7	7
206	Six years of progress in the oral biopharmaceutics area - A summary from the IMI OrBiTo project. *European Journal of Pharmaceutics and Biopharmaceutics*, **2020**, 152, 236-247	5.7	12
205	Comparison of induction methods for supersaturation: pH shift versus solvent shift. *International Journal of Pharmaceutics*, **2020**, 573, 118862	6.5	2

204	Evaluating side-by-side diffusion models for studying drug supersaturation in an absorptive environment: a case example of fenofibrate and felodipine. *Journal of Pharmacy and Pharmacology*, **2020**, 72, 371-384	4.8	3
203	Improving the drug load and in vitro performance of supersaturated self-nanoemulsifying drug delivery systems (super-SNEDDS) using polymeric precipitation inhibitors. *International Journal of Pharmaceutics*, **2020**, 575, 118960	6.5	13
202	Using in vitro lipolysis and SPECT/CT in vivo imaging to understand oral absorption of fenofibrate from lipid-based drug delivery systems. *Journal of Controlled Release*, **2020**, 317, 375-384	11.7	6
201	Graphene oxide as a functional excipient in buccal films for delivery of clotrimazole: Effect of molecular interactions on drug release and antifungal activity in vitro. *International Journal of Pharmaceutics*, **2020**, 589, 119811	6.5	11
200	Formulation of co-amorphous systems from naproxen and naproxen sodium and in situ monitoring of physicochemical state changes during dissolution testing by Raman spectroscopy. *International Journal of Pharmaceutics*, **2020**, 587, 119662	6.5	6
199	Effect of centrifugation speed on the measured equilibrium solubility of poorly water-soluble compounds in viscous solvents. *Journal of Drug Delivery Science and Technology*, **2020**, 59, 101853	4.5	
198	Achieving delayed release of freeze-dried probiotic strains by extrusion, spheronization and fluid bed coating - evaluated using a three-step in vitro model. *International Journal of Pharmaceutics*, **2020**, 591, 120022	6.5	7
197	Enhancing Stability and Tooth Bleaching Activity of Carbamide Peroxide by Electrospun Nanofibrous Film. *Pharmaceuticals*, **2020**, 13,	5.2	6
196	Integrated Multi-stakeholder Systems Thinking Strategy: Decision-making with Biopharmaceutics Risk Assessment Roadmap (BioRAM) to Optimize Clinical Performance of Drug Products. *AAPS Journal*, **2020**, 22, 97	3.7	3
195	In Vitro Evaluation of Self-Nano-Emulsifying Drug Delivery Systems (SNEDDS) Containing Room Temperature Ionic Liquids (RTILs) for the Oral Delivery of Amphotericin B. *Pharmaceutics*, **2020**, 12,	6.4	10
194	Adding a Gastric Step to the Intestinal Digestion Model Improves the Prediction of Pharmacokinetic Data in Beagle Dogs of Two Lipid-Based Drug Delivery Systems. *Molecular Pharmaceutics*, **2020**, 17, 3214-3222	5.6	6
193	Effect of supersaturation on absorption of indomethacin and tadalafil in a single pass intestinal perfusion rat model, in the absence and presence of a precipitation inhibitor. *European Journal of Pharmaceutics and Biopharmaceutics*, **2020**, 151, 108-115	5.7	8
192	Microcontainers for oral insulin delivery - In vitro studies of permeation enhancement. *European Journal of Pharmaceutics and Biopharmaceutics*, **2019**, 143, 98-105	5.7	22
191	Ex vivo intestinal perfusion model for investigating mucoadhesion of microcontainers. *International Journal of Pharmaceutics*, **2019**, 570, 118658	6.5	12
190	In vivo models and decision trees for formulation development in early drug development: A review of current practices and recommendations for biopharmaceutical development. *European Journal of Pharmaceutics and Biopharmaceutics*, **2019**, 142, 222-231	5.7	8
189	Successful oral delivery of poorly water-soluble drugs both depends on the intraluminal behavior of drugs and of appropriate advanced drug delivery systems. *European Journal of Pharmaceutical Sciences*, **2019**, 137, 104967	5.1	118
188	Biorelevant intrinsic dissolution profiling in early drug development: Fundamental, methodological, and industrial aspects. *European Journal of Pharmaceutics and Biopharmaceutics*, **2019**, 139, 101-114	5.7	9
187	Polymeric Lids for Microcontainers for Oral Protein Delivery. *Macromolecular Bioscience*, **2019**, 19, e1900094	5.4	14

186	Exploring the utility of the Chasing Principle: influence of drug-free SNEDDS composition on solubilization of carvedilol, cinnarizine and R3040 in aqueous suspension. *Acta Pharmaceutica Sinica B*, **2019**, 9, 194-201	15.5	9
185	Biodegradable microcontainers - towards real life applications of microfabricated systems for oral drug delivery. *Lab on A Chip*, **2019**, 19, 2905-2914	7.2	22
184	Developing a predictive in vitro dissolution model based on gastrointestinal fluid characterisation in rats. *European Journal of Pharmaceutics and Biopharmaceutics*, **2019**, 142, 307-314	5.7	14
183	In vitro digestion models to evaluate lipid based drug delivery systems; present status and current trends. *Advanced Drug Delivery Reviews*, **2019**, 142, 35-49	18.5	49
182	Fenofibrate oral absorption from SNEDDS and super-SNEDDS is not significantly affected by lipase inhibition in rats. *European Journal of Pharmaceutics and Biopharmaceutics*, **2019**, 142, 258-264	5.7	17
181	Investigation of Mucoadhesion and Degradation of PCL and PLGA Microcontainers for Oral Drug Delivery. *Polymers*, **2019**, 11,	4.5	16
180	SEDDS for intestinal absorption of insulin: Application of Caco-2 and Caco-2/HT29 co-culture monolayers and intra-jejunal instillation in rats. *International Journal of Pharmaceutics*, **2019**, 560, 377-384	6.5	19
179	In vitro models for the prediction of in vivo performance of oral dosage forms: Recent progress from partnership through the IMI OrBiTo collaboration. *European Journal of Pharmaceutics and Biopharmaceutics*, **2019**, 136, 70-83	5.7	58
178	Application of a Salt Coformer in a Co-Amorphous Drug System Dramatically Enhances the Glass Transition Temperature: A Case Study of the Ternary System Carbamazepine, Citric Acid, and l-Arginine. *Molecular Pharmaceutics*, **2018**, 15, 2036-2044	5.6	38
177	Hydrolysed pea proteins mitigate in vitro wheat starch digestibility. *Food Hydrocolloids*, **2018**, 79, 117-126	10.6	40
176	Characterization of the Hydrodynamics in a Miniaturized Dissolution Apparatus. *Journal of Pharmaceutical Sciences*, **2018**, 107, 1095-1103	3.9	2
175	The ability of two in vitro lipolysis models reflecting the human and rat gastro-intestinal conditions to predict the in vivo performance of SNEDDS dosing regimens. *European Journal of Pharmaceutics and Biopharmaceutics*, **2018**, 124, 116-124	5.7	28
174	Using Potentiometric Free Drug Sensors to Determine the Free Concentration of Ionizable Drugs in Colloidal Systems. *Journal of Pharmaceutical Sciences*, **2018**, 107, 103-112	3.9	4
173	Effect of composition of simulated intestinal media on the solubility of poorly soluble compounds investigated by design of experiments. *European Journal of Pharmaceutical Sciences*, **2018**, 111, 311-319	5.1	22
172	Formulation of self-nanoemulsifying drug delivery systems containing monoacyl phosphatidylcholine and Kolliphor RH40 using experimental design. *Asian Journal of Pharmaceutical Sciences*, **2018**, 13, 536-545	9	18
171	In vivo anesthetic effect and mechanism of action of active compounds from Alpinia galanga oil on Cyprinus carpio (koi carp). *Aquaculture*, **2018**, 496, 176-184	4.4	10
170	The Influence of Polymers on the Supersaturation Potential of Poor and Good Glass Formers. *Pharmaceutics*, **2018**, 10,	6.4	19
169	Development and characterization of clove oil nanoemulsions and self-microemulsifying drug delivery systems. *Journal of Drug Delivery Science and Technology*, **2018**, 46, 330-338	4.5	20

168	Are phytosomes a superior nanodelivery system for the antioxidant rutin?. *International Journal of Pharmaceutics*, **2018**, 548, 82-91	6.5	30
167	A fast and novel internal calibration method for quantitative Raman measurements on aqueous solutions. *Analytical Methods*, **2018**, 10, 3589-3593	3.2	6
166	High-Throughput Lipolysis in 96-Well Plates for Rapid Screening of Lipid-Based Drug Delivery Systems. *Journal of Pharmaceutical Sciences*, **2017**, 106, 1183-1186	3.9	6
165	Analysis of 3D Prints by X-ray Computed Microtomography and Terahertz Pulsed Imaging. *Pharmaceutical Research*, **2017**, 34, 1037-1052	4.5	58
164	Mapping the intermediate digestion phases of human healthy intestinal contents from distal ileum and caecum at fasted and fed state conditions. *Journal of Pharmacy and Pharmacology*, **2017**, 69, 265-273	4.8	5
163	Influence of drug load and physical form of cinnarizine in new SNEDDS dosing regimens: in vivo and in vitro evaluations. *AAPS Journal*, **2017**, 19, 587-594	3.7	23
162	Amorphous is not always better-A dissolution study on solid state forms of carbamazepine. *International Journal of Pharmaceutics*, **2017**, 522, 74-79	6.5	13
161	Cellulose Nanopaper and Nanofoam for Patient-Tailored Drug Delivery. *Advanced Materials Interfaces*, **2017**, 4, 1600655	4.6	27
160	Solution or suspension - Does it matter for lipid based systems? In vivo studies of chase dosing lipid vehicles with aqueous suspensions of a poorly soluble drug. *European Journal of Pharmaceutics and Biopharmaceutics*, **2017**, 117, 308-314	5.7	15
159	Monoacyl phosphatidylcholine inhibits the formation of lipid multilamellar structures during in vitro lipolysis of self-emulsifying drug delivery systems. *European Journal of Pharmaceutical Sciences*, **2017**, 108, 62-70	5.1	11
158	Efficacy of oral lipid-based formulations of apomorphine and its diester in a Parkinson's disease rat model. *Journal of Pharmacy and Pharmacology*, **2017**, 69, 1110-1115	4.8	12
157	Dissolution enhancement of griseofulvin from griseofulvin-sodium dodecyl sulfate discs investigated by UV imaging. *Journal of Drug Delivery Science and Technology*, **2017**, 39, 516-522	4.5	5
156	In vitro and in vivo performance of monoacyl phospholipid-based self-emulsifying drug delivery systems. *Journal of Controlled Release*, **2017**, 255, 45-53	11.7	20
155	Bioinspired Layer-by-Layer Microcapsules Based on Cellulose Nanofibers with Switchable Permeability. *Biomacromolecules*, **2017**, 18, 1401-1410	6.9	20
154	Investigation of the Intra- and Interlaboratory Reproducibility of a Small Scale Standardized Supersaturation and Precipitation Method. *Molecular Pharmaceutics*, **2017**, 14, 4161-4169	5.6	10
153	From concept to in vivo testing: Microcontainers for oral drug delivery. *Journal of Controlled Release*, **2017**, 268, 343-351	11.7	48
152	Self-microemulsifying drug delivery system and nanoemulsion for enhancing aqueous miscibility of Alpinia galanga oil. *PLoS ONE*, **2017**, 12, e0188848	3.7	11
151	Floating solid cellulose nanofibre nanofoams for sustained release of the poorly soluble model drug furosemide. *Journal of Pharmacy and Pharmacology*, **2017**, 69, 1477-1484	4.8	14

150	Development of a Video-Microscopic Tool To Evaluate the Precipitation Kinetics of Poorly Water Soluble Drugs: A Case Study with Tadalafil and HPMC. *Molecular Pharmaceutics*, **2017**, 14, 4154-4160	5.6	8
149	Studying furosemide solubilization using an in vitro model simulating gastrointestinal digestion and drug solubilization in neonates and young infants. *European Journal of Pharmaceutical Sciences*, **2017**, 109, 191-199	5.1	10
148	In Vitro Model Simulating Gastro-Intestinal Digestion in the Pediatric Population (Neonates and Young Infants). *AAPS PharmSciTech*, **2017**, 18, 317-329	3.9	23
147	Survival of Lactobacillus acidophilus NCFM and Bifidobacterium lactis HN019 encapsulated in chocolate during in vitro simulated passage of the upper gastrointestinal tract. *LWT - Food Science and Technology*, **2016**, 74, 404-410	5.4	33
146	Comparison of lipases for in vitro models of gastric digestion: lipolysis using two infant formulas as model substrates. *Food and Function*, **2016**, 7, 3989-3998	6.1	35
145	In Vivo Precipitation of Poorly Soluble Drugs from Lipid-Based Drug Delivery Systems. *Molecular Pharmaceutics*, **2016**, 13, 3417-3426	5.6	26
144	In vivo evaluation of lipid-based formulations for oral delivery of apomorphine and its diester prodrugs. *International Journal of Pharmaceutics*, **2016**, 513, 211-217	6.5	18
143	Solid cellulose nanofiber based foams - Towards facile design of sustained drug delivery systems. *Journal of Controlled Release*, **2016**, 244, 74-82	11.7	50
142	Apomorphine and its esters: Differences in Caco-2 cell permeability and chylomicron affinity. *International Journal of Pharmaceutics*, **2016**, 509, 499-506	6.5	12
141	Supersaturation of zafirlukast in fasted and fed state intestinal media with and without precipitation inhibitors. *European Journal of Pharmaceutical Sciences*, **2016**, 91, 31-9	5.1	14
140	Interlaboratory Validation of Small-Scale Solubility and Dissolution Measurements of Poorly Water-Soluble Drugs. *Journal of Pharmaceutical Sciences*, **2016**, 105, 2864-2872	3.9	30
139	Effect of food intake and co-administration of placebo self-nanoemulsifying drug delivery systems on the absorption of cinnarizine in healthy human volunteers. *European Journal of Pharmaceutical Sciences*, **2016**, 84, 77-82	5.1	24
138	Anhydrate to hydrate solid-state transformations of carbamazepine and nitrofurantoin in biorelevant media studied in situ using time-resolved synchrotron X-ray diffraction. *European Journal of Pharmaceutics and Biopharmaceutics*, **2016**, 100, 119-27	5.7	19
137	Formulation and characterization of self-nanoemulsifying drug delivery systems containing monoacyl phosphatidylcholine. *International Journal of Pharmaceutics*, **2016**, 502, 151-60	6.5	22
136	The Effect of Digestion and Drug Load on Halofantrine Absorption from Self-nanoemulsifying Drug Delivery System (SNEDDS). *AAPS Journal*, **2016**, 18, 180-6	3.7	30
135	Rhamnogalacturonan-I Based Microcapsules for Targeted Drug Release. *PLoS ONE*, **2016**, 11, e0168050	3.7	9
134	Development of a Dissolution-Permeation model with in situ drug concentration monitoring. *Journal of Drug Delivery Science and Technology*, **2016**, 35, 223-233	4.5	6
133	Impact of Lipid-Based Drug Delivery Systems on the Transport and Uptake of Insulin Across Caco-2 Cell Monolayers. *Journal of Pharmaceutical Sciences*, **2016**, 105, 2743-2751	3.9	30

132	Polymeric microcontainers improve oral bioavailability of furosemide. *International Journal of Pharmaceutics*, **2016**, 504, 98-109	6.5	51
131	Evaluating Oral Drug Delivery Systems: Dissolution Models. *Advances in Delivery Science and Technology*, **2016**, 753-771		1
130	Evaluating Oral Drug Delivery Systems: Digestion Models. *Advances in Delivery Science and Technology*, **2016**, 773-790		1
129	Buccal absorption of diazepam is improved when administered in bioadhesive tablets-An in vivo study in conscious Göttingen mini-pigs. *International Journal of Pharmaceutics*, **2016**, 515, 125-131	6.5	15
128	Optimizing Clinical Drug Product Performance: Applying Biopharmaceutics Risk Assessment Roadmap (BioRAM) and the BioRAM Scoring Grid. *Journal of Pharmaceutical Sciences*, **2016**, 105, 3243-3253	3.9	15
127	Studying the Propensity of Compounds to Supersaturate: A Practical and Broadly Applicable Approach. *Journal of Pharmaceutical Sciences*, **2016**, 105, 3021-3029	3.9	39
126	Evaluation of the use of Göttingen minipigs to predict food effects on the oral absorption of drugs in humans. *Journal of Pharmaceutical Sciences*, **2015**, 104, 135-43	3.9	16
125	Structural features of colloidal species in the human fasted upper small intestine. *Journal of Pharmacy and Pharmacology*, **2015**, 67, 486-92	4.8	14
124	Development of a high-throughput in vitro intestinal lipolysis model for rapid screening of lipid-based drug delivery systems. *European Journal of Pharmaceutics and Biopharmaceutics*, **2015**, 94, 493-500	5.7	30
123	Image Analytical Approach for Needle-Shaped Crystal Counting and Length Estimation. *Crystal Growth and Design*, **2015**, 15, 4876-4885	3.5	6
122	Elucidating the Molecular Interactions Occurring during Drug Precipitation of Weak Bases from Lipid-Based Formulations: A Case Study with Cinnarizine and a Long Chain Self-Nanoemulsifying Drug Delivery System. *Molecular Pharmaceutics*, **2015**, 12, 4067-76	5.6	26
121	Toward the establishment of standardized in vitro tests for lipid-based formulations. 5. Lipolysis of representative formulations by gastric lipase. *Pharmaceutical Research*, **2015**, 32, 1279-87	4.5	49
120	pH-triggered drug release from biodegradable microwells for oral drug delivery. *Biomedical Microdevices*, **2015**, 17, 9958	3.7	28
119	Steric and interactive barrier properties of intestinal mucus elucidated by particle diffusion and peptide permeation. *European Journal of Pharmaceutics and Biopharmaceutics*, **2015**, 95, 136-43	5.7	35
118	Stabilisation of amorphous furosemide increases the oral drug bioavailability in rats. *International Journal of Pharmaceutics*, **2015**, 490, 334-40	6.5	17
117	Lipophilic prodrugs of apomorphine I: preparation, characterisation, and in vitro enzymatic hydrolysis in biorelevant media. *European Journal of Pharmaceutics and Biopharmaceutics*, **2015**, 89, 216-23	5.7	29
116	Kolliphor surfactants affect solubilization and bioavailability of fenofibrate. Studies of in vitro digestion and absorption in rats. *Molecular Pharmaceutics*, **2015**, 12, 1062-71	5.6	32
115	Feasibility of capsule endoscopy for direct imaging of drug delivery systems in the fasted upper-gastrointestinal tract. *Pharmaceutical Research*, **2014**, 31, 2044-53	4.5	14

114	A slow cooling rate of indomethacin melt spatially confined in microcontainers increases the physical stability of the amorphous drug without influencing its biorelevant dissolution behaviour. *Drug Delivery and Translational Research*, **2014**, 4, 268-74	6.2	11
113	Investigating the correlation between in vivo absorption and in vitro release of fenofibrate from lipid matrix particles in biorelevant medium. *European Journal of Pharmaceutical Sciences*, **2014**, 51, 204-10	5.1	30
112	Early pharmaceutical profiling to predict oral drug absorption: current status and unmet needs. *European Journal of Pharmaceutical Sciences*, **2014**, 57, 173-99	5.1	198
111	The biopharmaceutics risk assessment roadmap for optimizing clinical drug product performance. *Journal of Pharmaceutical Sciences*, **2014**, 103, 3377-3397	3.9	45
110	Self-nanoemulsifying drug delivery systems for oral insulin delivery: in vitro and in vivo evaluations of enteric coating and drug loading. *International Journal of Pharmaceutics*, **2014**, 477, 390-8	6.5	65
109	Combining in vitro and in silico methods for better prediction of surfactant effects on the absorption of poorly water soluble drugs-a fenofibrate case example. *International Journal of Pharmaceutics*, **2014**, 473, 356-65	6.5	17
108	Toward the establishment of standardized in vitro tests for lipid-based formulations, part 4: proposing a new lipid formulation performance classification system. *Journal of Pharmaceutical Sciences*, **2014**, 103, 2441-55	3.9	36
107	Solid lipid particles for oral delivery of peptide and protein drugs II--the digestion of trilaurin protects desmopressin from proteolytic degradation. *Pharmaceutical Research*, **2014**, 31, 2420-8	4.5	28
106	Azone® decreases the buccal mucosal permeation of diazepam in a concentration-dependent manner via a reservoir effect. *Journal of Pharmaceutical Sciences*, **2014**, 103, 1133-41	3.9	10
105	In vitro lipolysis data does not adequately predict the in vivo performance of lipid-based drug delivery systems containing fenofibrate. *AAPS Journal*, **2014**, 16, 539-49	3.7	84
104	Solid lipid particles for oral delivery of peptide and protein drugs III - the effect of fed state conditions on the in vitro release and degradation of desmopressin. *AAPS Journal*, **2014**, 16, 875-83	3.7	7
103	Impact of sodium dodecyl sulphate on the dissolution of poorly soluble drug into biorelevant medium from drug-surfactant discs. *International Journal of Pharmaceutics*, **2014**, 467, 1-8	6.5	9
102	In vitro and in vivo evaluations of the performance of an indirubin derivative, formulated in four different self-emulsifying drug delivery systems. *Journal of Pharmacy and Pharmacology*, **2014**, 66, 1567-75	2.8	17
101	Toward the establishment of standardized in vitro tests for lipid-based formulations, part 6: effects of varying pancreatin and calcium levels. *AAPS Journal*, **2014**, 16, 1344-57	3.7	45
100	Refining stability and dissolution rate of amorphous drug formulations. *Expert Opinion on Drug Delivery*, **2014**, 11, 977-89	8	95
99	Polymer-filled microcontainers for oral delivery loaded using supercritical impregnation. *Journal of Controlled Release*, **2014**, 173, 1-9	11.7	54
98	Property profiling of biosimilar mucus in a novel mucus-containing in vitro model for assessment of intestinal drug absorption. *European Journal of Pharmaceutics and Biopharmaceutics*, **2014**, 87, 227-35	5.7	70
97	Oral biopharmaceutics tools - time for a new initiative - an introduction to the IMI project OrBiTo. *European Journal of Pharmaceutical Sciences*, **2014**, 57, 292-9	5.1	80

96	Cinnarizine food-effects in beagle dogs can be avoided by administration in a Self Nano Emulsifying Drug Delivery System (SNEDDS). *European Journal of Pharmaceutical Sciences*, **2014**, 57, 164-72	5.1	30
95	Ex vivo correlation of the permeability of metoprolol across human and porcine buccal mucosa. *Journal of Pharmaceutical Sciences*, **2014**, 103, 2053-2061	3.9	14
94	Miniaturized approach for excipient selection during the development of oral solid dosage form. *Journal of Pharmaceutical Sciences*, **2014**, 103, 900-8	3.9	7
93	Fed and fasted state gastro-intestinal in vitro lipolysis: In vitro in vivo relations of a conventional tablet, a SNEDDS and a solidified SNEDDS. *European Journal of Pharmaceutical Sciences*, **2014**, 57, 232-9	5.1	57
92	In vitro models for the prediction of in vivo performance of oral dosage forms. *European Journal of Pharmaceutical Sciences*, **2014**, 57, 342-66	5.1	240
91	Toward the establishment of standardized in vitro tests for lipid-based formulations, part 3: understanding supersaturation versus precipitation potential during the in vitro digestion of type I, II, IIIA, IIIB and IV lipid-based formulations. *Pharmaceutical Research*, **2013**, 30, 3059-76	4.5	78
90	Preparation and characterization of insulin-surfactant complexes for loading into lipid-based drug delivery systems. *Journal of Pharmaceutical Sciences*, **2013**, 102, 2689-98	3.9	30
89	Biorelevant characterisation of amorphous furosemide salt exhibits conversion to a furosemide hydrate during dissolution. *International Journal of Pharmaceutics*, **2013**, 457, 14-24	6.5	26
88	In vitro digestion testing of lipid-based delivery systems: calcium ions combine with fatty acids liberated from triglyceride rich lipid solutions to form soaps and reduce the solubilization capacity of colloidal digestion products. *International Journal of Pharmaceutics*, **2013**, 441, 323-33	6.5	91
87	Preparation of an amorphous sodium furosemide salt improves solubility and dissolution rate and leads to a faster Tmax after oral dosing to rats. *European Journal of Pharmaceutics and Biopharmaceutics*, **2013**, 85, 942-51	5.7	47
86	Bioavailability of cinnarizine in dogs: effect of SNEDDS loading level and correlation with cinnarizine solubilization during in vitro lipolysis. *Pharmaceutical Research*, **2013**, 30, 3101-13	4.5	24
85	A new approach to dissolution testing by UV imaging and finite element simulations. *Pharmaceutical Research*, **2013**, 30, 1328-37	4.5	28
84	Characterization of fasted human gastric fluid for relevant rheological parameters and gastric lipase activities. *European Journal of Pharmaceutics and Biopharmaceutics*, **2013**, 85, 958-65	5.7	56
83	Bile salts and their importance for drug absorption. *International Journal of Pharmaceutics*, **2013**, 453, 44-55	6.5	135
82	Oral bioavailability of cinnarizine in dogs: relation to SNEDDS droplet size, drug solubility and in vitro precipitation. *European Journal of Pharmaceutical Sciences*, **2013**, 48, 339-50	5.1	78
81	Lipid-based formulations for oral administration of poorly water-soluble drugs. *International Journal of Pharmaceutics*, **2013**, 453, 215-24	6.5	203
80	Supersaturated self-nanoemulsifying drug delivery systems (Super-SNEDDS) enhance the bioavailability of the poorly water-soluble drug simvastatin in dogs. *AAPS Journal*, **2013**, 15, 219-27	3.7	98
79	Real-time dissolution behavior of furosemide in biorelevant media as determined by UV imaging. *Pharmaceutical Development and Technology*, **2013**, 18, 1407-16	3.4	24

78	Development of Self-Emulsifying Drug Delivery Systems (SEDDS) for Oral Bioavailability Enhancement of Poorly Soluble Drugs **2013**, 225-245		5
77	Solid lipid particles for oral delivery of peptide and protein drugs I--elucidating the release mechanism of lysozyme during lipolysis. *European Journal of Pharmaceutics and Biopharmaceutics*, **2013**, 85, 473-80	5.7	36
76	Optimization of self nanoemulsifying drug delivery system for poorly water-soluble drug using response surface methodology. *Drug Development and Industrial Pharmacy*, **2013**, 39, 799-806	3.6	30
75	Unravelling the ultrastructure of ascending colon fluids from patients with ulcerative colitis by cryogenic transmission electron microscopy. *Journal of Pharmacy and Pharmacology*, **2013**, 65, 1482-7	4.8	9
74	Recent developments in oral lipid-based drug delivery. *Journal of Drug Delivery Science and Technology*, **2013**, 23, 375-382	4.5	18
73	Dissolution of solid lipid extrudates in biorelevant media. *International Journal of Pharmaceutics*, **2012**, 422, 116-24	6.5	30
72	In vitro and in vivo performance of novel supersaturated self-nanoemulsifying drug delivery systems (super-SNEDDS). *Journal of Controlled Release*, **2012**, 160, 25-32	11.7	150
71	Characterising lipid lipolysis and its implication in lipid-based formulation development. *AAPS Journal*, **2012**, 14, 860-71	3.7	66
70	Toward the establishment of standardized in vitro tests for lipid-based formulations. 2. The effect of bile salt concentration and drug loading on the performance of type I, II, IIIA, IIIB, and IV formulations during in vitro digestion. *Molecular Pharmaceutics*, **2012**, 9, 3286-300	5.6	97
69	Exploring the fate of liposomes in the intestine by dynamic in vitro lipolysis. *International Journal of Pharmaceutics*, **2012**, 437, 253-63	6.5	26
68	Insights into intermediate phases of human intestinal fluids visualized by atomic force microscopy and cryo-transmission electron microscopy ex vivo. *Molecular Pharmaceutics*, **2012**, 9, 237-47	5.6	52
67	Influence of bile on the absorption of halofantrine from lipid-based formulations. *European Journal of Pharmaceutics and Biopharmaceutics*, **2012**, 81, 281-7	5.7	22
66	Spatial confinement can lead to increased stability of amorphous indomethacin. *European Journal of Pharmaceutics and Biopharmaceutics*, **2012**, 81, 418-25	5.7	50
65	Using resin to generate a non-invasive intestinal bile-depleted rat model was unsuccessful. *European Journal of Pharmaceutical Sciences*, **2012**, 47, 347-51	5.1	
64	Oral delivery of peptides and proteins using lipid-based drug delivery systems. *Expert Opinion on Drug Delivery*, **2012**, 9, 1289-304	8	71
63	SNEDDS Containing Poorly Water Soluble Cinnarizine; Development and in Vitro Characterization of Dispersion, Digestion and Solubilization. *Pharmaceutics*, **2012**, 4, 641-65	6.4	32
62	Influence of lipid composition and drug load on the In Vitro performance of self-nanoemulsifying drug delivery systems. *Journal of Pharmaceutical Sciences*, **2012**, 101, 1721-31	3.9	59
61	Toward the establishment of standardized in vitro tests for lipid-based formulations, part 1: method parameterization and comparison of in vitro digestion profiles across a range of representative formulations. *Journal of Pharmaceutical Sciences*, **2012**, 101, 3360-80	3.9	185

60	Effect of bile on the oral absorption of halofantrine in polyethylene glycol 400 and polysorbate 80 formulations dosed to bile duct cannulated rats. *Journal of Pharmacy and Pharmacology*, **2011**, 63, 817-24	4.8	18
59	In vitro lipolysis models as a tool for the characterization of oral lipid and surfactant based drug delivery systems. *International Journal of Pharmaceutics*, **2011**, 417, 245-55	6.5	114
58	A novel excipient, 1-perfluorohexyloctane shows limited utility for the oral delivery of poorly water-soluble drugs. *European Journal of Pharmaceutical Sciences*, **2011**, 42, 416-22	5.1	17
57	Phase transformations of amlodipine besylate solid forms. *Journal of Pharmaceutical Sciences*, **2011**, 100, 2896-910	3.9	17
56	Insights into the early dissolution events of amlodipine using UV imaging and Raman spectroscopy. *Molecular Pharmaceutics*, **2011**, 8, 1372-80	5.6	61
55	An updated and simplified method for bile duct cannulation of rats. *Laboratory Animals*, **2010**, 44, 373-6	2.6	16
54	Characterising the behaviour of poorly water soluble drugs in the intestine: application of biorelevant media for solubility, dissolution and transport studies. *Journal of Pharmacy and Pharmacology*, **2010**, 62, 1656-68	4.8	105
53	New perspectives on lipid and surfactant based drug delivery systems for oral delivery of poorly soluble drugs. *Journal of Pharmacy and Pharmacology*, **2010**, 62, 1622-36	4.8	205
52	The preparation of magnetically guided lipid based nanoemulsions using self-emulsifying technology. *Nanotechnology*, **2010**, 21, 055104	3.4	4
51	Effects of polysorbate 80 on the in-vitro precipitation and oral bioavailability of halofantrine from polyethylene glycol 400 formulations in rats. *Journal of Pharmacy and Pharmacology*, **2010**, 62, 63-70	4.8	21
50	Biorelevant media simulating fed state intestinal fluids: colloid phase characterization and impact on solubilization capacity. *Journal of Pharmaceutical Sciences*, **2010**, 99, 3522-32	3.9	71
49	Precipitation of a poorly soluble model drug during in vitro lipolysis: characterization and dissolution of the precipitate. *Journal of Pharmaceutical Sciences*, **2010**, 99, 4982-91	3.9	118
48	Colloidal structures in media simulating intestinal fed state conditions with and without lipolysis products. *Pharmaceutical Research*, **2009**, 26, 361-74	4.5	59
47	Influence of the solid form of siramesine hydrochloride on its behavior in aqueous environments. *Pharmaceutical Research*, **2009**, 26, 846-54	4.5	11
46	Adsorption of pharmaceutical excipients onto microcrystals of siramesine hydrochloride: effects on physicochemical properties. *European Journal of Pharmaceutics and Biopharmaceutics*, **2009**, 71, 109-16	5.7	64
45	Physicochemical Characterization of Simulated Intestinal Fed-State Fluids Containing Lyso-Phosphatidylcholine and Cholesterol. *Dissolution Technologies*, **2009**, 16, 47-50	1.7	26
44	Intestinal lymphatic transport of halofantrine in rats assessed using a chylomicron flow blocking approach: the influence of polysorbate 60 and 80. *European Journal of Pharmaceutical Sciences*, **2008**, 35, 211-8	5.1	60
43	Comparison of drug transporter gene expression and functionality in Caco-2 cells from 10 different laboratories. *European Journal of Pharmaceutical Sciences*, **2008**, 35, 383-96	5.1	198

42	Characterization and physical stability of spray dried solid dispersions of probucol and PVP-K30. *Pharmaceutical Development and Technology*, **2008**, 13, 375-86	3.4	50
41	In vitro lipid digestion models in design of drug delivery systems for enhancing oral bioavailability. *Expert Opinion on Drug Metabolism and Toxicology*, **2008**, 4, 65-76	5.5	75
40	Using biorelevant dissolution to obtain IVIVC of solid dosage forms containing a poorly-soluble model compound. *European Journal of Pharmaceutics and Biopharmaceutics*, **2008**, 69, 648-57	5.7	43
39	Bioavailability of probucol from lipid and surfactant based formulations in minipigs: influence of droplet size and dietary state. *European Journal of Pharmaceutics and Biopharmaceutics*, **2008**, 69, 553-62	5.7	117
38	In vitro-in vivo correlations of self-emulsifying drug delivery systems combining the dynamic lipolysis model and neuro-fuzzy networks. *European Journal of Pharmaceutics and Biopharmaceutics*, **2008**, 69, 887-98	5.7	41
37	Lipid-based formulations for danazol containing a digestible surfactant, Labrafil M2125CS: in vivo bioavailability and dynamic in vitro lipolysis. *Pharmaceutical Research*, **2008**, 25, 2769-77	4.5	89
36	Characterization of prototype self-nanoemulsifying formulations of lipophilic compounds. *Journal of Pharmaceutical Sciences*, **2007**, 96, 876-92	3.9	51
35	Determination of surface-adsorbed excipients of various types on drug particles prepared by antisolvent precipitation using HPLC with evaporative light scattering detection. *Journal of Pharmaceutical and Biomedical Analysis*, **2007**, 44, 874-80	3.5	9
34	Bioavailability of seocalcitol III. Administration of lipid-based formulations to minipigs in the fasted and fed state. *European Journal of Pharmaceutical Sciences*, **2007**, 31, 8-15	5.1	32
33	Morphological observations on a lipid-based drug delivery system during in vitro digestion. *European Journal of Pharmaceutical Sciences*, **2007**, 31, 85-94	5.1	112
32	Development of simulated intestinal fluids containing nutrients as transport media in the Caco-2 cell culture model: assessment of cell viability, monolayer integrity and transport of a poorly aqueous soluble drug and a substrate of efflux mechanisms. *European Journal of Pharmaceutical Sciences*, **2007**, 32, 261-70	5.1	45
31	Structural development of self nano emulsifying drug delivery systems (SNEDDS) during in vitro lipid digestion monitored by small-angle X-ray scattering. *Pharmaceutical Research*, **2007**, 24, 1844-53	4.5	96
30	Biorelevant Dissolution Media **2007**, 151-177		3
29	Clinical studies with oral lipid based formulations of poorly soluble compounds. *Therapeutics and Clinical Risk Management*, **2007**, 3, 591-604	2.9	61
28	Bioavailability of seocalcitol II: development and characterisation of self-microemulsifying drug delivery systems (SMEDDS) for oral administration containing medium and long chain triglycerides. *European Journal of Pharmaceutical Sciences*, **2006**, 28, 233-42	5.1	91
27	Lymphatic fatty acids in canines dosed with pharmaceutical formulations containing structured triacylglycerols. *European Journal of Lipid Science and Technology*, **2006**, 108, 714-722	3	6
26	Effect of different surfactants in biorelevant medium on the secretion of a lipophilic compound in lipoproteins using Caco-2 cell culture. *Journal of Pharmaceutical Sciences*, **2006**, 95, 45-55	3.9	11
25	Biorelevant dissolution media: aggregation of amphiphiles and solubility of estradiol. *Journal of Pharmaceutical Sciences*, **2006**, 95, 248-55	3.9	31

24	Bioavailability of seocalcitol IV: evaluation of lymphatic transport in conscious rats. *Pharmaceutical Research*, **2006**, 23, 2681-8	4.5	11
23	Enzymatic characterization of lipid-based drug delivery systems. *International Journal of Pharmaceutics*, **2005**, 298, 328-32	6.5	35
22	Effect of liquid volume and food intake on the absolute bioavailability of danazol, a poorly soluble drug. *European Journal of Pharmaceutical Sciences*, **2005**, 24, 297-303	5.1	89
21	In vivo in vitro correlations for a poorly soluble drug, danazol, using the flow-through dissolution method with biorelevant dissolution media. *European Journal of Pharmaceutical Sciences*, **2005**, 24, 305-13	5.1	127
20	Bioavailability of seocalcitol I: Relating solubility in biorelevant media with oral bioavailability in rats--effect of medium and long chain triglycerides. *Journal of Pharmaceutical Sciences*, **2005**, 94, 1830-8	3.9	43
19	Solubilisation of poorly water-soluble drugs during in vitro lipolysis of medium- and long-chain triacylglycerols. *European Journal of Pharmaceutical Sciences*, **2004**, 23, 287-96	5.1	158
18	Influence of the type of surfactant and the degree of dispersion on the lymphatic transport of halofantrine in conscious rats. *Pharmaceutical Research*, **2004**, 21, 1413-8	4.5	23
17	Examination of oral absorption and lymphatic transport of halofantrine in a triple-cannulated canine model after administration in self-microemulsifying drug delivery systems (SMEDDS) containing structured triglycerides. *European Journal of Pharmaceutical Sciences*, **2003**, 20, 91-7	5.1	110
16	Structured triglyceride vehicles for oral delivery of halofantrine: examination of intestinal lymphatic transport and bioavailability in conscious rats. *Pharmaceutical Research*, **2002**, 19, 1354-61	4.5	53
15	Comparison of the lymphatic transport of a lipophilic drug from vehicles containing alpha-tocopherol and/or triglycerides in rats. *Journal of Pharmacy and Pharmacology*, **2001**, 53, 1439-45	4.8	11
14	Comparison of the lymphatic transport of halofantrine administered in disperse systems containing three different unsaturated fatty acids. *Pharmaceutical Research*, **2001**, 18, 1299-304	4.5	29
13	The effect of alpha-tocopherol on the in vitro solubilisation of lipophilic drugs. *International Journal of Pharmaceutics*, **2001**, 222, 217-24	6.5	59
12	A dynamic in vitro lipolysis model. I. Controlling the rate of lipolysis by continuous addition of calcium. *European Journal of Pharmaceutical Sciences*, **2001**, 14, 115-22	5.1	231
11	A dynamic in vitro lipolysis model. II: Evaluation of the model. *European Journal of Pharmaceutical Sciences*, **2001**, 14, 237-44	5.1	167
10	Comparison of total oral bioavailability and the lymphatic transport of halofantrine from three different unsaturated triglycerides in lymph-cannulated conscious rats. *European Journal of Pharmaceutical Sciences*, **2001**, 14, 331-7	5.1	40
9	Dissolution of hydrocortisone in human and simulated intestinal fluids. *Pharmaceutical Research*, **2000**, 17, 183-9	4.5	66
8	A comparison of the solubility of danazol in human and simulated gastrointestinal fluids. *Pharmaceutical Research*, **2000**, 17, 891-4	4.5	117
7	Enzyme supplementation of wheat-based diets for broilers. *Animal Feed Science and Technology*, **1998**, 75, 45-64	3	40

6	Enzyme supplementation of wheat-based diets for broilers: 1. Effect on growth performance and intestinal viscosity. *Animal Feed Science and Technology*, **1998**, 75, 27-43	3	48
5	Fat emulsions based on structured lipids (1,3-specific triglycerides): an investigation of the in vivo fate. *Pharmaceutical Research*, **1996**, 13, 725-8	4.5	23
4	Absorption of triglycerides with defined or random structure by rats with biliary and pancreatic diversion. *Lipids*, **1995**, 30, 521-6	1.6	55
3	Metabolism of emulsions containing medium- and long-chain triglycerides or interesterified triglycerides. *Journal of Lipid Research*, **1994**, 35, 1850-60	6.3	19
2	Separation and detection of phospholipid hydroperoxides in the low nanomolar range by a high performance liquid chromatography/ironthiocyanate assay. *Lipids*, **1990**, 25, 415-8	1.6	29
1	Increased concentration of plasminogen activator inhibitor type-1 in plasma after intake of fish oil. *Fibrinolysis*, **1990**, 4, 86-88		12