

Nikoletta Fotaki

List of Publications by Year in Descending Order

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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.

86
papers

1,313
citations

19
h-index

33
g-index

97
ext. papers

1,539
ext. citations

4.4
avg, IF

4.98
L-index

#	Paper	IF	Citations
86	Performance Evaluation of Montelukast Pediatric Formulations: Part I-Age-Related In Vitro Conditions.. <i>AAPS Journal</i> , 2022 , 24, 26	3.7	1
85	Performance Evaluation of Montelukast Pediatric Formulations: Part II - a PBPK Modelling Approach.. <i>AAPS Journal</i> , 2022 , 24, 27	3.7	
84	Biopharmaceutics Tools for Rational Formulation Design 2022 , 113-133		
83	Oral administration of buparvaquone nanostructured lipid carrier enables in vivo activity against <i>Leishmania infantum</i> .. <i>European Journal of Pharmaceutical Sciences</i> , 2021 , 169, 106097	5.1	0
82	Evaluating pediatric and adult simulated fluids solubility: Abraham solvation parameters and multivariate analysis. <i>Pharmaceutical Research</i> , 2021 , 38, 1889	4.5	0
81	Current challenges and future perspectives in oral absorption research: An opinion of the UNGAP network. <i>Advanced Drug Delivery Reviews</i> , 2021 , 171, 289-331	18.5	30
80	In vitro in vivo relations for the parenteral liposomal formulation of Amphotericin B: A biorelevant and clinically relevant approach. <i>European Journal of Pharmaceutics and Biopharmaceutics</i> , 2021 , 159, 188-197	5.7	2
79	Affinity of Lipophilic Drugs to Mixed Lipid Aggregates in Simulated Gastrointestinal Fluids. <i>Journal of Pharmaceutical Sciences</i> , 2021 , 110, 186-197	3.9	1
78	Predicting budesonide performance in healthy subjects and patients with Crohn's disease using biorelevant in vitro dissolution testing and PBPK modeling. <i>European Journal of Pharmaceutical Sciences</i> , 2021 , 157, 105617	5.1	3
77	Investigating the Impact of Crohn's Disease on the Bioaccessibility of a Lipid-Based Formulation with an In Vitro Dynamic Gastrointestinal Model. <i>Molecular Pharmaceutics</i> , 2021 , 18, 1530-1543	5.6	1
76	Investigating the Critical Variables of Azithromycin Oral Absorption Using In Vitro Tests and PBPK Modeling. <i>Journal of Pharmaceutical Sciences</i> , 2021 , 110, 3874-3888	3.9	0
75	Co-administration of Paediatric Medicines with Food and Drinks in the Context of Their Physicochemical Properties-a Global Perspective on Practices and Recommendations. <i>AAPS Journal</i> , 2020 , 22, 54	3.7	6
74	Impact of Food and Drink Administration Vehicles on Paediatric Formulation Performance: Part 1-Effects on Solubility of Poorly Soluble Drugs. <i>AAPS PharmSciTech</i> , 2020 , 21, 177	3.9	5
73	Gastrointestinal diseases and their impact on drug solubility: Celiac disease. <i>European Journal of Pharmaceutical Sciences</i> , 2020 , 152, 105460	5.1	3
72	Gastrointestinal diseases and their impact on drug solubility: Ulcerative Colitis. <i>European Journal of Pharmaceutical Sciences</i> , 2020 , 152, 105458	5.1	4
71	Biopharmaceutical Understanding of Excipient Variability on Drug Apparent Solubility Based on Drug Physicochemical Properties: Case Study-Hypromellose (HPMC). <i>AAPS Journal</i> , 2020 , 22, 49	3.7	4
70	Development of an Aerosol Dose Collection Apparatus for In Vitro Dissolution Measurements of Orally Inhaled Drug Products. <i>AAPS Journal</i> , 2020 , 22, 47	3.7	8

69	Investigation of drug partition kinetics to fat in simulated fed state gastric conditions based on drug properties. <i>European Journal of Pharmaceutical Sciences</i> , 2020 , 146, 105263	5.1	4
68	Biopharmaceutical Understanding of Excipient Variability on Drug Apparent Solubility Based on Drug Physicochemical Properties. Case Study: Superdisintegrants. <i>AAPS Journal</i> , 2020 , 22, 46	3.7	7
67	Surface dissolution UV imaging for characterization of superdisintegrants and their impact on drug dissolution. <i>International Journal of Pharmaceutics</i> , 2020 , 577, 119080	6.5	4
66	Impact of Magnesium Stearate Presence and Variability on Drug Apparent Solubility Based on Drug Physicochemical Properties. <i>AAPS Journal</i> , 2020 , 22, 75	3.7	4
65	A new medium-throughput screening design approach for the development of hydroxymethylnitrofurazone (NFOH) nanostructured lipid carrier for treating leishmaniasis. <i>Colloids and Surfaces B: Biointerfaces</i> , 2020 , 193, 111097	6	3
64	In vitro conditions for performance evaluation of products for intravascular administration: Developing appropriate test media using Amphotericin B as a model drug. <i>European Journal of Pharmaceutical Sciences</i> , 2020 , 143, 105174	5.1	3
63	Establishing virtual bioequivalence and clinically relevant specifications using in vitro biorelevant dissolution testing and physiologically-based population pharmacokinetic modeling. case example: Naproxen. <i>European Journal of Pharmaceutical Sciences</i> , 2020 , 143, 105170	5.1	29
62	Successful Extrapolation of Paracetamol Exposure from Adults to Infants After Oral Administration of a Pediatric Aqueous Suspension Is Highly Dependent on the Study Dosing Conditions. <i>AAPS Journal</i> , 2020 , 22, 126	3.7	2
61	Impact of Food and Drink Administration Vehicles on Paediatric Formulation Performance Part 2: Dissolution of Montelukast Sodium and Mesalazine Formulations. <i>AAPS PharmSciTech</i> , 2020 , 21, 287	3.9	4
60	In Vivo Predictive Dissolution Testing of Montelukast Sodium Formulations Administered with Drinks and Soft Foods to Infants. <i>AAPS PharmSciTech</i> , 2020 , 21, 282	3.9	5
59	BCS-based biowaivers: Extension to paediatrics. <i>European Journal of Pharmaceutical Sciences</i> , 2020 , 155, 105549	5.1	1
58	Interpolymer Complexes of Eudragit Copolymers as Novel Carriers for Colon-Specific Drug Delivery. <i>Polymers</i> , 2020 , 12,	4.5	6
57	Biopharmaceutical implications of excipient variability on drug dissolution from immediate release products. <i>European Journal of Pharmaceutics and Biopharmaceutics</i> , 2020 , 154, 195-209	5.7	6
56	Factors Affecting Successful Extrapolation of Ibuprofen Exposure from Adults to Pediatric Populations After Oral Administration of a Pediatric Aqueous Suspension. <i>AAPS Journal</i> , 2020 , 22, 146	3.7	3
55	Gastrointestinal diseases and their impact on drug solubility: Crohn's disease. <i>European Journal of Pharmaceutical Sciences</i> , 2020 , 152, 105459	5.1	6
54	The use of PBPK/PD to establish clinically relevant dissolution specifications for zolpidem immediate release tablets. <i>European Journal of Pharmaceutical Sciences</i> , 2020 , 155, 105534	5.1	3
53	In vitro - in vivo relations for the parenteral liposomal formulation of Amphotericin B: A clinically relevant approach with PBPK modeling. <i>European Journal of Pharmaceutics and Biopharmaceutics</i> , 2020 , 177-187	5.7	3
52	Co-delivery of buparvaquone and polymyxin B in a nanostructured lipid carrier for leishmaniasis treatment. <i>Journal of Global Antimicrobial Resistance</i> , 2019 , 18, 279-283	3.4	9

51	Biorelevant release testing of biodegradable microspheres intended for intra-articular administration. <i>European Journal of Pharmaceutics and Biopharmaceutics</i> , 2019 , 139, 115-122	5.7	5
50	Highly Water-Soluble Orotic Acid Nanocrystals Produced by High-Energy Milling. <i>Journal of Pharmaceutical Sciences</i> , 2019 , 108, 1848-1856	3.9	9
49	Potential prediction of formulation performance in paediatric patients using biopharmaceutical tools and simulation of clinically relevant administration scenarios of nifedipine and lorazepam. <i>British Journal of Clinical Pharmacology</i> , 2019 , 85, 1728-1739	3.8	8
48	Application of the relationship between pharmacokinetics and pharmacodynamics in drug development and therapeutic equivalence: a PEARRL review. <i>Journal of Pharmacy and Pharmacology</i> , 2019 , 71, 699-723	4.8	10
47	Impact of gastrointestinal disease states on oral drug absorption - implications for formulation design - a PEARRL review. <i>Journal of Pharmacy and Pharmacology</i> , 2019 , 71, 674-698	4.8	33
46	Biopharmaceutical considerations in paediatrics with a view to the evaluation of orally administered drug products - a PEARRL review. <i>Journal of Pharmacy and Pharmacology</i> , 2019 , 71, 603-642	4.8	23
45	Effects of medicines used to treat gastrointestinal diseases on the pharmacokinetics of coadministered drugs: a PEARRL Review. <i>Journal of Pharmacy and Pharmacology</i> , 2019 , 71, 643-673	4.8	7
44	In Vitro-In Vivo Correlations Based on In Vitro Dissolution of Parent Drug Diltiazem and Pharmacokinetics of its Metabolite. <i>Pharmaceutics</i> , 2019 , 11,	6.4	6
43	In Vitro Dissolution for Inhalation Products 2019 , 119-153		1
42	On the Design of Food Effect Studies in Adults for Extrapolating Oral Drug Absorption Data to Infants: an Exploratory Study Highlighting the Importance of Infant Food. <i>AAPS Journal</i> , 2019 , 22, 6	3.7	5
41	Surface Dissolution UV Imaging for Investigation of Dissolution of Poorly Soluble Drugs and Their Amorphous Formulation. <i>AAPS PharmSciTech</i> , 2019 , 20, 113	3.9	15
40	Preliminary pharmacokinetic study of the anticancer 6BIO in mice using an UHPLC-MS/MS approach. <i>Journal of Pharmaceutical and Biomedical Analysis</i> , 2019 , 164, 317-325	3.5	3
39	Strategic drug analysis in fed-state gastric biorelevant media based on drug physicochemical properties. <i>European Journal of Pharmaceutics and Biopharmaceutics</i> , 2018 , 127, 326-341	5.7	8
38	Investigation and simulation of dissolution with concurrent degradation under healthy and hypoalbuminaemic simulated parenteral conditions- case example Amphotericin B. <i>European Journal of Pharmaceutics and Biopharmaceutics</i> , 2018 , 127, 423-431	5.7	3
37	Impact of presence of excipients in drug analysis in fed-state gastric biorelevant media. <i>European Journal of Pharmaceutics and Biopharmaceutics</i> , 2018 , 131, 178-188	5.7	1
36	In Vitro and In Silico ADME Prediction 2018 , 301-330		3
35	In Vivo Predictive Dissolution and Simulation Workshop Report: Facilitating the Development of Oral Drug Formulation and the Prediction of Oral Bioperformance. <i>AAPS Journal</i> , 2018 , 20, 100	3.7	7
34	Influence of Sex and Food on the Bioavailability and the R-to-S Conversion of Ketoprofen Stereoisomers in Humans. <i>European Journal of Drug Metabolism and Pharmacokinetics</i> , 2017 , 42, 167-169 ^{2.7}		

33	Understanding and predicting the impact of critical dissolution variables for nifedipine immediate release capsules by multivariate data analysis. <i>International Journal of Pharmaceutics</i> , 2017 , 518, 41-49	6.5	7
32	Considerations for the development of in vitro dissolution tests to reduce or replace preclinical oral absorption studies. <i>European Journal of Pharmaceutical Sciences</i> , 2017 , 99, 193-201	5.1	17
31	Recommended strategies for the oral administration of paediatric medicines with food and drinks in the context of their biopharmaceutical properties: a review. <i>Journal of Pharmacy and Pharmacology</i> , 2017 , 69, 384-397	4.8	19
30	Biopharmaceutical aspects and implications of excipient variability in drug product performance. <i>European Journal of Pharmaceutics and Biopharmaceutics</i> , 2017 , 111, 1-15	5.7	57
29	Assessment of Age-Related Changes in Pediatric Gastrointestinal Solubility. <i>Pharmaceutical Research</i> , 2016 , 33, 52-71	4.5	37
28	Small-Scale Assays for Studying Dissolution of Pharmaceutical Cocrystals for Oral Administration. <i>AAPS PharmSciTech</i> , 2016 , 17, 245-51	3.9	15
27	Fed-state gastric media and drug analysis techniques: Current status and points to consider. <i>European Journal of Pharmaceutics and Biopharmaceutics</i> , 2016 , 107, 234-48	5.7	14
26	Towards the development of a paediatric biopharmaceutics classification system: Results of a survey of experts. <i>International Journal of Pharmaceutics</i> , 2016 , 511, 1151-7	6.5	13
25	An in vitro-in vivo correlation study for nifedipine immediate release capsules administered with water, alcoholic and non-alcoholic beverages: Impact of in vitro dissolution media and hydrodynamics. <i>International Journal of Pharmaceutics</i> , 2016 , 499, 330-342	6.5	11
24	Dissolution Highlights from the 2015 AAPS Annual Meeting in Orlando. <i>Dissolution Technologies</i> , 2016 , 23, 42-47	1.7	2
23	Sex-related in vitro/in vivo and PK/PD correlations after oral single dose furosemide administration. <i>Journal of Pharmaceutical Technology & Drug Research</i> , 2016 , 5, 2		3
22	BU08073 a buprenorphine analogue with partial agonist activity at μ receptors in vitro but long-lasting opioid antagonist activity in vivo in mice. <i>British Journal of Pharmacology</i> , 2015 , 172, 668-80	8.6	23
21	Enhanced paracellular transport of insulin can be achieved via transient induction of myosin light chain phosphorylation. <i>Journal of Controlled Release</i> , 2015 , 210, 189-97	11.7	44
20	Parameterization of small intestinal water volume using PBPK modeling. <i>European Journal of Pharmaceutical Sciences</i> , 2015 , 67, 55-64	5.1	4
19	Paediatric oral biopharmaceutics: key considerations and current challenges. <i>Advanced Drug Delivery Reviews</i> , 2014 , 73, 102-26	18.5	92
18	Sex- and smoke-related differences in gastrointestinal transit of cyclosporin A microemulsion capsules. <i>European Journal of Pharmaceutical Sciences</i> , 2014 , 63, 140-6	5.1	7
17	Pharmaceutical characterisation and evaluation of cocrystals: Importance of in vitro dissolution conditions and type of coformer. <i>International Journal of Pharmaceutics</i> , 2013 , 453, 380-8	6.5	32
16	Mechanistic understanding of the effect of PPIs and acidic carbonated beverages on the oral absorption of itraconazole based on absorption modeling with appropriate in vitro data. <i>Molecular Pharmaceutics</i> , 2013 , 10, 4016-23	5.6	14

15	Survey Results for In Vitro-In Vivo Correlations (IVIVC): Critical Variables for Success. <i>Dissolution Technologies</i> , 2013 , 20, 48-50	1.7	9
14	Rationale for Selection of Dissolution Media: Three Case Studies. <i>Dissolution Technologies</i> , 2013 , 20, 6-13	1.7	10
13	Flow-Through Cell Apparatus (USP Apparatus 4): Operation and Features. <i>Dissolution Technologies</i> , 2011 , 18, 46-49	1.7	37
12	Biorelevant Dissolution Methods and Their Applications in In Vitro- In Vivo Correlations for Oral Formulations-!2009-09-14~!2009-11-02~!2010-04-29~!. <i>Open Drug Delivery Journal</i> , 2010 , 4, 2-13		80
11	A comparative study of different release apparatus in generating in vitro-in vivo correlations for extended release formulations. <i>European Journal of Pharmaceutics and Biopharmaceutics</i> , 2009 , 73, 115-20	5.7	53
10	Pros and cons of methods used for the prediction of oral drug absorption. <i>Expert Review of Clinical Pharmacology</i> , 2009 , 2, 195-208	3.8	9
9	Biorelevant Dissolution: Methodology and Application in Drug Development. <i>Dissolution Technologies</i> , 2009 , 16, 6-12	1.7	34
8	Predictive models for oral drug absorption: from in silico methods to integrated dynamical models. <i>Expert Opinion on Drug Metabolism and Toxicology</i> , 2007 , 3, 491-505	5.5	36
7	Predictive models for oral drug absorption: from in silico methods to integrated dynamical models. <i>Expert Opinion on Drug Metabolism and Toxicology</i> , 2007 , 3, 491-505	5.5	9
6	Intestinal permeability and excretion into bile control the arrival of amlodipine into the systemic circulation after oral administration. <i>Journal of Pharmacy and Pharmacology</i> , 2006 , 58, 827-36	4.8	16
5	In vitro versus canine data for predicting input profiles of isosorbide-5-mononitrate from oral extended release products on a confidence interval basis. <i>European Journal of Pharmaceutical Sciences</i> , 2005 , 24, 115-22	5.1	44
4	Canine versus in vitro data for predicting input profiles of L-sulpiride after oral administration. <i>European Journal of Pharmaceutical Sciences</i> , 2005 , 26, 324-33	5.1	44
3	The Flow Through Cell Methodology in the Evaluation of Intraluminal Drug Release Characteristics. <i>Dissolution Technologies</i> , 2005 , 12, 17-21	1.7	24
2	Dissolution media simulating the intraluminal composition of the small intestine: physiological issues and practical aspects. <i>Journal of Pharmacy and Pharmacology</i> , 2004 , 56, 453-62	4.8	179
1	Using in silico process simulation tools in pharmacy education: Considerations for pivoting to online learning. <i>Pharmacy Education</i> , 124-135		