

Sandra Klein

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.

73
papers

2,009
citations

22
h-index

43
g-index

77
ext. papers

2,287
ext. citations

4.9
avg, IF

5.31
L-index

#	Paper	IF	Citations
73	The use of biorelevant dissolution media to forecast the in vivo performance of a drug. <i>AAPS Journal</i> , 2010 , 12, 397-406	3.7	253
72	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
71	Paediatric oral biopharmaceutics: key considerations and current challenges. <i>Advanced Drug Delivery Reviews</i> , 2014 , 73, 102-26	18.5	92
70	A new 5-aminosalicylic acid multi-unit dosage form for the therapy of ulcerative colitis. <i>European Journal of Pharmaceutics and Biopharmaceutics</i> , 2001 , 51, 183-90	5.7	90
69	Media to simulate the postprandial stomach I. Matching the physicochemical characteristics of standard breakfasts. <i>Journal of Pharmacy and Pharmacology</i> , 2004 , 56, 605-10	4.8	88
68	Cyclodextrin-water soluble polymer ternary complexes enhance the solubility and dissolution behaviour of poorly soluble drugs. Case example: itraconazole. <i>European Journal of Pharmaceutics and Biopharmaceutics</i> , 2013 , 83, 378-87	5.7	79
67	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
66	A standardized mini paddle apparatus as an alternative to the standard paddle. <i>AAPS PharmSciTech</i> , 2008 , 9, 1179-84	3.9	59
65	Dissolution testing of oral modified-release dosage forms. <i>Journal of Pharmacy and Pharmacology</i> , 2012 , 64, 944-68	4.8	54
64	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
63	Site-specific delivery of anti-inflammatory drugs in the gastrointestinal tract: an in-vitro release model. <i>Journal of Pharmacy and Pharmacology</i> , 2005 , 57, 709-19	4.8	53
62	A dynamic system for the simulation of fasting luminal pH-gradients using hydrogen carbonate buffers for dissolution testing of ionisable compounds. <i>European Journal of Pharmaceutical Sciences</i> , 2014 , 51, 224-31	5.1	52
61	New formulation approaches to improve solubility and drug release from fixed dose combinations: case examples pioglitazone/glimepiride and ezetimibe/simvastatin. <i>European Journal of Pharmaceutics and Biopharmaceutics</i> , 2013 , 84, 208-18	5.7	51
60	A biorelevant dissolution stress test device - background and experiences. <i>Expert Opinion on Drug Delivery</i> , 2010 , 7, 1251-61	8	51
59	Use of the BioDis to generate a physiologically relevant IVIVC. <i>Journal of Controlled Release</i> , 2008 , 130, 216-9	11.7	44
58	Pharmacokinetics of itraconazole after intravenous and oral dosing of itraconazole-cyclodextrin formulations. <i>Journal of Pharmaceutical Sciences</i> , 2007 , 96, 3100-16	3.9	42
57	Application of a ternary HP- β -CD-complex approach to improve the dissolution performance of a poorly soluble weak acid under biorelevant conditions. <i>International Journal of Pharmaceutics</i> , 2012 , 430, 176-83	6.5	36

56	An automated system for monitoring and regulating the pH of bicarbonate buffers. <i>AAPS PharmSciTech</i> , 2013 , 14, 517-22	3.9	34
55	Simplified Biorelevant Media for Screening Dissolution Performance of Poorly Soluble Drugs. <i>Dissolution Technologies</i> , 2007 , 14, 8-13	1.7	34
54	Drug Release Characteristics of Different Mesalazine Products Using USP Apparatus 3 to Simulate Passage Through the GI Tract. <i>Dissolution Technologies</i> , 2002 , 9, 6-12	1.7	32
53	The Mini Paddle Apparatus— Useful Tool in the Early Developmental Stage? Experiences with Immediate-Release Dosage Forms. <i>Dissolution Technologies</i> , 2006 , 13, 6-11	1.7	32
52	In vitro tools for evaluating novel dosage forms of poorly soluble, weakly basic drugs: case example ketoconazole. <i>Journal of Pharmaceutical Sciences</i> , 2013 , 102, 3645-52	3.9	22
51	Design of biorelevant test setups for the prediction of diclofenac in vivo features after oral administration. <i>Pharmaceutical Research</i> , 2013 , 30, 1483-501	4.5	21
50	Food effects in paediatric medicines development for products Co-administered with food. <i>International Journal of Pharmaceutics</i> , 2018 , 536, 530-535	6.5	19
49	Assessing the influence of media composition and ionic strength on drug release from commercial immediate-release and enteric-coated aspirin tablets. <i>Journal of Pharmacy and Pharmacology</i> , 2017 , 69, 1327-1340	4.8	19
48	Predicting Food Effects on Drug Release from Extended-Release Oral Dosage Forms Containing a Narrow Therapeutic Index Drug. <i>Dissolution Technologies</i> , 2009 , 16, 28-40	1.7	18
47	Investigating the feasibility of temperature-controlled accelerated drug release testing for an intravaginal ring. <i>European Journal of Pharmaceutics and Biopharmaceutics</i> , 2013 , 85, 966-73	5.7	17
46	Miniaturized transfer models to predict the precipitation of poorly soluble weak bases upon entry into the small intestine. <i>AAPS PharmSciTech</i> , 2012 , 13, 1230-5	3.9	17
45	Simulating Different Dosing Scenarios for a Child-Appropriate Valproate ER Formulation in a New Pediatric Two-Stage Dissolution Model. <i>AAPS PharmSciTech</i> , 2017 , 18, 309-316	3.9	16
44	Improving glyburide solubility and dissolution by complexation with hydroxybutenyl-β-cyclodextrin. <i>Journal of Pharmacy and Pharmacology</i> , 2010 , 61, 23-30	4.8	16
43	Improving glyburide solubility and dissolution by complexation with hydroxybutenyl-beta-cyclodextrin. <i>Journal of Pharmacy and Pharmacology</i> , 2009 , 61, 23-30	4.8	16
42	Simulated Genital Tract Fluids and Their Applicability in Drug Release/Dissolution Testing of Vaginal Dosage Forms. <i>Dissolution Technologies</i> , 2018 , 25, 40-51	1.7	16
41	The role of individual gastric emptying of pellets in the prediction of diclofenac in vivo dissolution. <i>Journal of Controlled Release</i> , 2013 , 166, 286-93	11.7	15
40	Can Biorelevant Media be Simplified by using SLS and Tween 80 to Replace Bile Compounds?~!2009-10-23~!2010-01-04~!2010-04-29~!. <i>Open Drug Delivery Journal</i> , 2010 , 4, 30-37		15
39	A Biopredictive In Vitro Comparison of Oral Locally Acting Mesalazine Formulations by a Novel Dissolution Model for Assessing Intraluminal Drug Release in Individual Subjects. <i>Journal of Pharmaceutical Sciences</i> , 2018 , 107, 1680-1689	3.9	14

38	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
37	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
36	Development and evaluation of accelerated drug release testing methods for a matrix-type intravaginal ring. <i>European Journal of Pharmaceutics and Biopharmaceutics</i> , 2017 , 110, 1-12	5.7	13
35	Comparison of Drug Release From Metoprolol Modified Release Dosage Forms in Single Buffer versus a pH-Gradient Dissolution Test. <i>Dissolution Technologies</i> , 2006 , 13, 6-12	1.7	13
34	Individualized in vitro and in silico methods for predicting in vivo performance of enteric-coated tablets containing a narrow therapeutic index drug. <i>European Journal of Pharmaceutics and Biopharmaceutics</i> , 2019 , 135, 13-24	5.7	13
33	Biorelevant in vitro assessment of dissolution and compatibility properties of a novel paediatric hydrocortisone drug product following exposure of the drug product to child-appropriate administration fluids. <i>European Journal of Pharmaceutics and Biopharmaceutics</i> , 2018 , 133, 277-284	5.7	13
32	A review of patient-specific gastrointestinal parameters as a platform for developing in vitro models for predicting the in vivo performance of oral dosage forms in patients with Parkinson's disease. <i>International Journal of Pharmaceutics</i> , 2017 , 533, 298-314	6.5	10
31	In Vitro Methods for Evaluating Drug Release of Vaginal Ring Formulations-A Critical Review. <i>Pharmaceutics</i> , 2019 , 11,	6.4	8
30	Polysaccharides in Oral Drug Delivery [Recent Applications and Future Perspectives. <i>ACS Symposium Series</i> , 2010 , 13-30	0.4	8
29	Safe, swallowable and palatable paediatric mini-tablet formulations for a WHO model list of essential medicines for children compound - A promising starting point for future PUMA applications. <i>European Journal of Pharmaceutics and Biopharmaceutics</i> , 2020 , 156, 11-19	5.7	8
28	A Biopredictive In Vitro Approach for Assessing Compatibility of a Novel Pediatric Hydrocortisone Drug Product within Common Pediatric Dosing Vehicles. <i>Pharmaceutical Research</i> , 2020 , 37, 203	4.5	8
27	A review of GI conditions critical to oral drug absorption in malnourished children. <i>European Journal of Pharmaceutics and Biopharmaceutics</i> , 2019 , 137, 9-22	5.7	7
26	A novel liquefied gas based oral controlled release drug delivery system for liquid drug formulations. <i>European Journal of Pharmaceutics and Biopharmaceutics</i> , 2012 , 81, 334-8	5.7	7
25	Impact of vibration and agitation speed on dissolution of USP prednisone tablets RS and various IR tablet formulations. <i>AAPS PharmSciTech</i> , 2015 , 16, 759-66	3.9	6
24	Age-appropriate solid oral formulations for pediatric applications with a focus on multiparticulates and minitables: Summary of September 2019 EuPFI workshop. <i>European Journal of Pharmaceutics and Biopharmaceutics</i> , 2020 , 153, 222-225	5.7	6
23	Robustness of barrier membrane coated metoprolol tartrate matrix tablets: Drug release evaluation under physiologically relevant in vitro conditions. <i>International Journal of Pharmaceutics</i> , 2018 , 543, 368-375	6.5	6
22	Development and Validation of a Robust and Efficient HPLC Method for the Simultaneous Quantification of Levodopa, Carbidopa, Benserazide and Entacapone in Complex Matrices. <i>Journal of Pharmacy and Pharmaceutical Sciences</i> , 2017 , 20, 258-269	3.4	6
21	Development of Dissolution Tests on the Basis of Gastrointestinal Physiology 2005 , 193-227		6

20	In vitro dissolution testing of parenteral aqueous solutions and oily suspensions of paracetamol and prednisolone. <i>International Journal of Pharmaceutics</i> , 2017 , 532, 519-527	6.5	4
19	An oral-controlled release drug delivery system for liquid and semisolid drug formulations. <i>AAPS PharmSciTech</i> , 2011 , 12, 1183-5	3.9	4
18	Enhanced dissolution of poorly soluble drugs from solid dispersions in carboxymethylcellulose acetate butyrate matrices. <i>ACS Symposium Series</i> , 2010 , 93-113	0.4	4
17	Review of paediatric gastrointestinal physiology relevant to the absorption of orally administered medicines.. <i>Advanced Drug Delivery Reviews</i> , 2021 , 181, 114084	18.5	4
16	Predicting local drug availability of locally acting lozenges: From method design to a linear level A IVIVC. <i>European Journal of Pharmaceutics and Biopharmaceutics</i> , 2018 , 133, 269-276	5.7	4
15	Enzymatically Modified Shea Butter and Palm Kernel Oil as Potential Lipid Drug Delivery Matrices. <i>European Journal of Lipid Science and Technology</i> , 2018 , 120, 1700332	3	3
14	Prediction of subcutaneous drug absorption - do we have reliable data to design a simulated interstitial fluid?. <i>International Journal of Pharmaceutics</i> , 2021 , 610, 121257	6.5	3
13	Dissolution testing of modified release products with biorelevant media: An OrBiTo ring study using the USP apparatus III and IV. <i>European Journal of Pharmaceutics and Biopharmaceutics</i> , 2020 , 156, 40-49	5.7	3
12	Pediatric formulation development - Challenges of today and strategies for tomorrow: Summary report from M-CERSI workshop 2019. <i>European Journal of Pharmaceutics and Biopharmaceutics</i> , 2021 , 164, 54-65	5.7	3
11	Bioequivalence of locally acting lozenges: Evaluation of critical in vivo parameters and first steps towards a bio-predictive in vitro test method. <i>European Journal of Pharmaceutics and Biopharmaceutics</i> , 2018 , 123, 71-83	5.7	3
10	A Toolbox for Mimicking Gastrointestinal Conditions in Children: Simulated Paediatric Breakfast Media (SPBM) for Addressing the Variability of Gastric Contents After Typical Paediatric Breakfasts. <i>Journal of Pharmaceutical Sciences</i> , 2021 ,	3.9	1
9	Path towards efficient paediatric formulation development based on partnering with clinical pharmacologists and clinicians, a conect4children expert group white paper. <i>British Journal of Clinical Pharmacology</i> , 2021 ,	3.8	1
8	Vaginal and Intrauterine Delivery Systems 2019 , 177-209		0
7	A systematic approach for assessing the suitability of enteral feeding tubes for the administration of controlled-release pellet formulations. <i>International Journal of Pharmaceutics</i> , 2021 , 612, 121286	6.5	0
6	Dissolution Test Considerations for Oral Multiparticulate Systems. <i>Advances in Delivery Science and Technology</i> , 2017 , 169-212		0
5	Vehicles for Drug Administration to Children: Results and Learnings from an In-Depth Screening of FDA-Recommended Liquids and Soft Foods for Product Quality Assessment.. <i>Pharmaceutical Research</i> , 2022 , 39, 497	4.5	0
4	A Customized Screening Tool Approach for the Development of a Self-Nanoemulsifying Drug Delivery System (SNEDDS).. <i>AAPS PharmSciTech</i> , 2021 , 23, 39	3.9	0
3	Regulatory Considerations 2019 , 253-284		

2 Building new drug delivery systems: in vitro and in vivo studies of drug-hydroxybutenyl cyclodextrin complexes. *ACS Symposium Series*, **2010**, 31-64 0.4

1 Dissolution Equipment and Hydrodynamic Considerations for Evaluating Modified-Release Behavior **2022**, 253-271