

Hannah Batchelor

List of Publications by Year in Descending Order

Source: <https://exaly.com/author-pdf/6573018/hannah-batchelor-publications-by-year.pdf>

Version: 2024-04-28

This document has been generated based on the publications and citations recorded by exaly.com. For the latest version of this publication list, visit the link given above.

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

97
papers

1,558
citations

21
h-index

37
g-index

115
ext. papers

1,949
ext. citations

5.5
avg, IF

5.12
L-index

#	Paper	IF	Citations
97	Dissolution 2022 , 73-98		
96	Permeability 2022 , 51-72		
95	Biopharmaceutics of Injectable Formulations 2022 , 253-263		
94	Practical and operational considerations related to paediatric oral drug formulation: an industry survey.. <i>International Journal of Pharmaceutics</i> , 2022 , 121670	6.5	0
93	An Introduction to Biopharmaceutics 2022 , 1-8		
92	Biopharmaceutic Classification System 2022 , 135-146		
91	Integrating Biopharmaceutics to Predict Oral Absorption Using PBPK Modelling 2022 , 189-203		
90	Basic Pharmacokinetics 2022 , 9-29		
89	Introduction to Biopharmaceutics Measures 2022 , 31-38		
88	Solubility 2022 , 39-50		0
87	Regulatory Biopharmaceutics 2022 , 147-163		
86	Biopharmaceutics Tools for Rational Formulation Design 2022 , 113-133		
85	Biopharmaceutics of Topical and Transdermal Formulations 2022 , 265-276		
84	Inhalation Biopharmaceutics 2022 , 239-251		
83	Special Populations 2022 , 205-237		
82	Impact of Anatomy and Physiology 2022 , 165-188		
81	Impact of the Microbiome on Oral Biopharmaceutics 2022 , 277-295		

80	Application of a Physiologically Based Pharmacokinetic Model to Predict Cefazolin and Cefuroxime Disposition in Obese Pregnant Women Undergoing Caesarean Section. <i>Pharmaceutics</i> , 2022 , 14, 1162	6.4	0
79	Quantification of Fluid Volume and Distribution in the Paediatric Colon via Magnetic Resonance Imaging. <i>Pharmaceutics</i> , 2021 , 13,	6.4	1
78	Tribology provides an in vitro tool that correlated to in vivo sensory data on the mouthfeel of coated tablets. <i>International Journal of Pharmaceutics</i> , 2021 , 597, 120323	6.5	2
77	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
76	Development of a Pediatric Relative Bioavailability/Bioequivalence Database and Identification of Putative Risk Factors Associated With Evaluation of Pediatric Oral Products. <i>AAPS Journal</i> , 2021 , 23, 57	3.7	2
75	Modelling and Simulation of the Drug Release from a Solid Dosage Form in the Human Ascending Colon: The Influence of Different Motility Patterns and Fluid Viscosities. <i>Pharmaceutics</i> , 2021 , 13,	6.4	3
74	Characterisation of fasted state gastric and intestinal fluids collected from children. <i>European Journal of Pharmaceutics and Biopharmaceutics</i> , 2021 , 158, 156-165	5.7	2
73	Determination of healthcare resource and cost implications of using alternative sodium valproate formulations in the treatment of epilepsy in children in England: A retrospective database review. <i>European Journal of Pharmaceutics and Biopharmaceutics</i> , 2021 , 158, 365-370	5.7	
72	Sporopollenin Exine Microcapsules as Potential Intestinal Delivery System of Probiotics. <i>Small</i> , 2021 , 17, e2004573	11	7
71	Formulation design, production and characterisation of solid lipid nanoparticles (SLN) and nanostructured lipid carriers (NLC) for the encapsulation of a model hydrophobic active.. <i>Food Hydrocolloids for Health</i> , 2021 , 1, None		5
70	Prophylactic perioperative cefuroxime levels in plasma and adipose tissue at the time of caesarean section (C-LACE): a protocol for a pilot experimental, prospective study with non-probability sampling to determine interpatient variability. <i>Pilot and Feasibility Studies</i> , 2021 , 7, 54	1.9	1
69	A review of in vitro and in vivo methods and their correlations to assess mouthfeel of solid oral dosage forms. <i>Drug Discovery Today</i> , 2021 , 26, 740-753	8.8	0
68	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
67	In vivo models to evaluate ingestible devices: Present status and current trends. <i>Advanced Drug Delivery Reviews</i> , 2021 , 177, 113915	18.5	2
66	In vitro models to evaluate ingestible devices: Present status and current trends. <i>Advanced Drug Delivery Reviews</i> , 2021 , 178, 113924	18.5	2
65	Sensory aspects of acceptability of bitter-flavoured 7.5 mm film-coated tablets in adults, preschool and school children. <i>International Journal of Pharmaceutics</i> , 2020 , 585, 119511	6.5	4
64	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
63	Modelling and simulation of the hydrodynamics and mixing profiles in the human proximal colon using Discrete Multiphysics. <i>Computers in Biology and Medicine</i> , 2020 , 121, 103819	7	16

62	Dynamic Colon Model (DCM): A Cine-MRI Informed Biorelevant In Vitro Model of the Human Proximal Large Intestine Characterized by Positron Imaging Techniques. <i>Pharmaceutics</i> , 2020 , 12,	6.4	6
61	Sensory attributes of coated tablets: Developing a formal lexicon and sensory wheel. <i>International Journal of Pharmaceutics</i> , 2020 , 590, 119883	6.5	1
60	A Novel Oral Syringe for Dosing and Administration of Multiparticulate Formulations: Acceptability Study in Preschool and School Children. <i>Pharmaceutics</i> , 2020 , 12,	6.4	2
59	Efficacy of perioperative cefuroxime as a prophylactic antibiotic in women requiring caesarean section: A systematic review. <i>European Journal of Obstetrics, Gynecology and Reproductive Biology</i> , 2019 , 242, 71-78	2.4	4
58	Investigation of the effect of the water to powder ratio on hydraulic cement properties. <i>Dental Materials</i> , 2019 , 35, 1146-1154	5.7	13
57	Making Medicines Baby Size: The Challenges in Bridging the Formulation Gap in Neonatal Medicine. <i>International Journal of Molecular Sciences</i> , 2019 , 20,	6.3	16
56	Developing methodology to evaluate the oral sensory features of pharmaceutical tablet coatings. <i>International Journal of Pharmaceutics</i> , 2019 , 562, 212-217	6.5	12
55	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
54	Magnetic Resonance Imaging Quantification of Gastrointestinal Liquid Volumes and Distribution in the Gastrointestinal Tract of Children. <i>Molecular Pharmaceutics</i> , 2019 , 16, 3896-3903	5.6	9
53	Minitablets may be an acceptable alternative to liquid in infants and young children. <i>Journal of Pediatrics</i> , 2019 , 206, 298-301	3.6	1
52	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
51	How close is the dose? Manipulation of 10 mg hydrocortisone tablets to provide appropriate doses to children. <i>International Journal of Pharmaceutics</i> , 2018 , 545, 57-63	6.5	16
50	Physico-chemical, antimicrobial and antioxidant properties of gelatin-chitosan based films loaded with nanoemulsions encapsulating active compounds. <i>Food Hydrocolloids</i> , 2018 , 79, 544-559	10.6	94
49	Evaluation of patient-reported outcome measurements as a reliable tool to measure acceptability of the taste of paediatric medicines in an inpatient paediatric population. <i>BMJ Open</i> , 2018 , 8, e021961	3	11
48	Acceptability of placebo multiparticulate formulations in children and adults. <i>Scientific Reports</i> , 2018 , 8, 9210	4.9	8
47	Using discrete multi-physics for detailed exploration of hydrodynamics in an in vitro colon system. <i>Computers in Biology and Medicine</i> , 2017 , 81, 188-198	7	21
46	Methodology Used to Assess Acceptability of Oral Pediatric Medicines: A Systematic Literature Search and Narrative Review. <i>Paediatric Drugs</i> , 2017 , 19, 223-233	4.2	13
45	A mixed methods study of the administration of flucloxacillin oral liquid; identifying strategies to overcome administration issues of medicines with poor palatability. <i>International Journal of Pharmacy Practice</i> , 2017 , 25, 326-334	1.7	8

44	Evidence of acceptability of oral paediatric medicines: a review. <i>Journal of Pharmacy and Pharmacology</i> , 2017 , 69, 361-376	4.8	69
43	European Paediatric Formulation Initiative (EuPFI)-Formulating Ideas for Better Medicines for Children. <i>AAPS PharmSciTech</i> , 2017 , 18, 257-262	3.9	23
42	Dissolution profile of theophylline modified release tablets, using a biorelevant Dynamic Colon Model (DCM). <i>European Journal of Pharmaceutics and Biopharmaceutics</i> , 2016 , 108, 9-17	5.7	20
41	ASSESSMENT OF VANCOMYCIN CONCENTRATIONS IN SYRINGES PREPARED WITHIN A WARD SETTING. <i>Archives of Disease in Childhood</i> , 2016 , 101, e2	2.2	
40	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
39	Barriers to administering non-oral formulations in a paediatric population: A semi-structured interview study. <i>International Journal of Pharmaceutics</i> , 2016 , 497, 12-7	6.5	4
38	CHILDREN WITH CYSTIC FIBROSIS: UNDERSTANDING ISSUES RELATED TO ORAL ADMINISTRATION OF LIQUID FLUCLOXACILLIN. <i>Archives of Disease in Childhood</i> , 2016 , 101, e2	2.2	3
37	COMPARISON OF HYDROCORTISONE 10 MG TABLETS: TABLET HARDNESS OPTIMISED FOR ADULT USE HAS NEGATIVE CONSEQUENCES FOR PAEDIATRIC USE. <i>Archives of Disease in Childhood</i> , 2016 , 101, e2	2.2	7
36	Pharmacy and formulation support for paediatric clinical trials in England. <i>International Journal of Pharmaceutics</i> , 2016 , 511, 1163-8	6.5	3
35	Use of PLIF to assess the mixing performance of small volume USP 2 apparatus in shear thinning media. <i>Chemical Engineering Science</i> , 2016 , 145, 1-9	4.4	5
34	A review of prednisolone prescribing for children with acute asthma in the UK. <i>Journal of Asthma</i> , 2016 , 53, 563-6	1.9	5
33	Paediatric pharmacokinetics: key considerations. <i>British Journal of Clinical Pharmacology</i> , 2015 , 79, 395-404	4.0	111
32	Understanding the impact of media viscosity on dissolution of a highly water soluble drug within a USP 2 mini vessel dissolution apparatus using an optical planar induced fluorescence (PLIF) method. <i>International Journal of Pharmaceutics</i> , 2015 , 495, 362-373	6.5	15
31	Problems with oral formulations prescribed to children: a focus group study of healthcare professionals. <i>International Journal of Clinical Pharmacy</i> , 2015 , 37, 1057-67	2.3	17
30	Comparing paediatric intravenous phenytoin doses using physiologically based pharmacokinetic (PBPK) modelling software. <i>Seizure: the Journal of the British Epilepsy Association</i> , 2015 , 33, 8-12	3.2	7
29	Formulations for children: problems and solutions. <i>British Journal of Clinical Pharmacology</i> , 2015 , 79, 405-18	3.8	76
28	Influence of Food on Paediatric Gastrointestinal Drug Absorption Following Oral Administration: A Review. <i>Children</i> , 2015 , 2, 244-71	2.8	22
27	Formulation factors affecting acceptability of oral medicines in children. <i>International Journal of Pharmaceutics</i> , 2015 , 492, 341-3	6.5	34

26	Determination of formulation factors that affect oral medicines acceptability in a domiciliary paediatric population. <i>International Journal of Pharmaceutics</i> , 2015 , 480, 55-62	6.5	57
25	The application of tribology in assessing texture perception of oral liquid medicines. <i>International Journal of Pharmaceutics</i> , 2015 , 479, 277-81	6.5	21
24	Paediatric biopharmaceutics classification system: current status and future decisions. <i>International Journal of Pharmaceutics</i> , 2014 , 469, 251-3	6.5	23
23	Paediatric oral biopharmaceutics: key considerations and current challenges. <i>Advanced Drug Delivery Reviews</i> , 2014 , 73, 102-26	18.5	92
22	Nasal, Ocular and Otic Drug Delivery. <i>AAPS Advances in the Pharmaceutical Sciences Series</i> , 2014 , 273-301	6.5	5
21	Paediatric Development: Anatomy. Age, Weight, Body Surface and Stature, Organ Development. <i>AAPS Advances in the Pharmaceutical Sciences Series</i> , 2014 , 3-7	0.5	1
20	Patient-centred pharmaceutical design to improve acceptability of medicines: similarities and differences in paediatric and geriatric populations. <i>Drugs</i> , 2014 , 74, 1871-1889	12.1	129
19	The Dangerous Business of Predicting the Future. <i>AAPS Advances in the Pharmaceutical Sciences Series</i> , 2014 , 429-431	0.5	
18	Rectal Drug Delivery. <i>AAPS Advances in the Pharmaceutical Sciences Series</i> , 2014 , 303-310	0.5	1
17	Paediatric Development: Gastrointestinal. <i>AAPS Advances in the Pharmaceutical Sciences Series</i> , 2014 , 43-54	0.5	1
16	Application of in vitro biopharmaceutical methods in development of immediate release oral dosage forms intended for paediatric patients. <i>European Journal of Pharmaceutics and Biopharmaceutics</i> , 2013 , 85, 833-42	5.7	38
15	Dissolution rate enhancement, in vitro evaluation and investigation of drug release kinetics of chloramphenicol and sulphamethoxazole solid dispersions. <i>Drug Development and Industrial Pharmacy</i> , 2013 , 39, 704-15	3.6	12
14	Physicochemical characterisation, drug polymer dissolution and in vitro evaluation of phenacetin and phenylbutazone solid dispersions with polyethylene glycol 8000. <i>Journal of Pharmaceutical Sciences</i> , 2011 , 100, 4281-94	3.9	16
13	Assessment of different formulations of oral Mycobacterium bovis Bacille Calmette-Guérin (BCG) vaccine in rodent models for immunogenicity and protection against aerosol challenge with M. bovis. <i>Vaccine</i> , 2008 , 26, 5791-7	4.1	18
12	Strategies and therapeutic opportunities for the delivery of drugs to the esophagus. <i>Critical Reviews in Therapeutic Drug Carrier Systems</i> , 2008 , 25, 259-304	2.8	8
11	New algorithm for the treatment of gastro-oesophageal reflux disease. <i>Alimentary Pharmacology and Therapeutics</i> , 2008 , 27, 249-56	6.1	67
10	A constructivist method for teaching concentration calculations to pharmacy students. <i>Pharmacy Education</i> , 2007 , 7, 69-76		3
9	Determination of ibuprofen solubility in wax: a comparison of microscopic, thermal and release rate techniques. <i>European Journal of Pharmaceutics and Biopharmaceutics</i> , 2007 , 67, 106-11	5.7	13

8	The use of microviscometry to study polymer dissolution from solid dispersion drug delivery systems. <i>International Journal of Pharmaceutics</i> , 2005 , 292, 227-30	6.5	18
7	Bioadhesive oesophageal bandages: protection against acid and pepsin injury. <i>International Journal of Pharmaceutics</i> , 2005 , 292, 169-77	6.5	23
6	High speed DSC (hyper-DSC) as a tool to measure the solubility of a drug within a solid or semi-solid matrix. <i>International Journal of Pharmaceutics</i> , 2005 , 301, 1-5	6.5	53
5	Bioadhesive dosage forms for esophageal drug delivery. <i>Pharmaceutical Research</i> , 2005 , 22, 175-81	4.5	26
4	The Importance of a Mathematics Diagnostic Test for Incoming Pharmacy Undergraduates. <i>Pharmacy Education</i> , 2004 , 4, 69-74		7
3	Microscopic techniques as potential tools to quantify the extent of bioadhesion of liquid systems. <i>European Journal of Pharmaceutical Sciences</i> , 2004 , 22, 341-6	5.1	4
2	Feasibility of a bioadhesive drug delivery system targeted to oesophageal tissue. <i>European Journal of Pharmaceutics and Biopharmaceutics</i> , 2004 , 57, 295-8	5.7	15
1	An in vitro mucosal model for prediction of the bioadhesion of alginate solutions to the oesophagus. <i>International Journal of Pharmaceutics</i> , 2002 , 238, 123-32	6.5	66