

# Hannah Batchelor

## 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.

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	Patient-centred pharmaceutical design to improve acceptability of medicines: similarities and differences in paediatric and geriatric populations. <i>Drugs</i> , <b>2014</b> , 74, 1871-1889	12.1	129
96	Paediatric pharmacokinetics: key considerations. <i>British Journal of Clinical Pharmacology</i> , <b>2015</b> , 79, 395-404	9.8	111
95	Physico-chemical, antimicrobial and antioxidant properties of gelatin-chitosan based films loaded with nanoemulsions encapsulating active compounds. <i>Food Hydrocolloids</i> , <b>2018</b> , 79, 544-559	10.6	94
94	Paediatric oral biopharmaceutics: key considerations and current challenges. <i>Advanced Drug Delivery Reviews</i> , <b>2014</b> , 73, 102-26	18.5	92
93	Formulations for children: problems and solutions. <i>British Journal of Clinical Pharmacology</i> , <b>2015</b> , 79, 405-18	3.8	76
92	Evidence of acceptability of oral paediatric medicines: a review. <i>Journal of Pharmacy and Pharmacology</i> , <b>2017</b> , 69, 361-376	4.8	69
91	New algorithm for the treatment of gastro-oesophageal reflux disease. <i>Alimentary Pharmacology and Therapeutics</i> , <b>2008</b> , 27, 249-56	6.1	67
90	An in vitro mucosal model for prediction of the bioadhesion of alginate solutions to the oesophagus. <i>International Journal of Pharmaceutics</i> , <b>2002</b> , 238, 123-32	6.5	66
89	Impact of gastrointestinal physiology on drug absorption in special populations--An UNGAP review. <i>European Journal of Pharmaceutical Sciences</i> , <b>2020</b> , 147, 105280	5.1	63
88	Determination of formulation factors that affect oral medicines acceptability in a domiciliary paediatric population. <i>International Journal of Pharmaceutics</i> , <b>2015</b> , 480, 55-62	6.5	57
87	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> , <b>2005</b> , 301, 1-5	6.5	53
86	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> , <b>2013</b> , 85, 833-42	5.7	38
85	Formulation factors affecting acceptability of oral medicines in children. <i>International Journal of Pharmaceutics</i> , <b>2015</b> , 492, 341-3	6.5	34
84	Current challenges and future perspectives in oral absorption research: An opinion of the UNGAP network. <i>Advanced Drug Delivery Reviews</i> , <b>2021</b> , 171, 289-331	18.5	30
83	Bioadhesive dosage forms for esophageal drug delivery. <i>Pharmaceutical Research</i> , <b>2005</b> , 22, 175-81	4.5	26
82	Paediatric biopharmaceutics classification system: current status and future decisions. <i>International Journal of Pharmaceutics</i> , <b>2014</b> , 469, 251-3	6.5	23
81	European Paediatric Formulation Initiative (EuPFI)-Formulating Ideas for Better Medicines for Children. <i>AAPS PharmSciTech</i> , <b>2017</b> , 18, 257-262	3.9	23

80	Bioadhesive oesophageal bandages: protection against acid and pepsin injury. <i>International Journal of Pharmaceutics</i> , <b>2005</b> , 292, 169-77	6.5	23
79	Influence of Food on Paediatric Gastrointestinal Drug Absorption Following Oral Administration: A Review. <i>Children</i> , <b>2015</b> , 2, 244-71	2.8	22
78	Using discrete multi-physics for detailed exploration of hydrodynamics in an in vitro colon system. <i>Computers in Biology and Medicine</i> , <b>2017</b> , 81, 188-198	7	21
77	The application of tribology in assessing texture perception of oral liquid medicines. <i>International Journal of Pharmaceutics</i> , <b>2015</b> , 479, 277-81	6.5	21
76	Dissolution profile of theophylline modified release tablets, using a biorelevant Dynamic Colon Model (DCM). <i>European Journal of Pharmaceutics and Biopharmaceutics</i> , <b>2016</b> , 108, 9-17	5.7	20
75	Food effects in paediatric medicines development for products Co-administered with food. <i>International Journal of Pharmaceutics</i> , <b>2018</b> , 536, 530-535	6.5	19
74	Assessment of different formulations of oral Mycobacterium bovis Bacille Calmette-Guërin (BCG) vaccine in rodent models for immunogenicity and protection against aerosol challenge with M. bovis. <i>Vaccine</i> , <b>2008</b> , 26, 5791-7	4.1	18
73	The use of microviscometry to study polymer dissolution from solid dispersion drug delivery systems. <i>International Journal of Pharmaceutics</i> , <b>2005</b> , 292, 227-30	6.5	18
72	Problems with oral formulations prescribed to children: a focus group study of healthcare professionals. <i>International Journal of Clinical Pharmacy</i> , <b>2015</b> , 37, 1057-67	2.3	17
71	Making Medicines Baby Size: The Challenges in Bridging the Formulation Gap in Neonatal Medicine. <i>International Journal of Molecular Sciences</i> , <b>2019</b> , 20,	6.3	16
70	How close is the dose? Manipulation of 10 mg hydrocortisone tablets to provide appropriate doses to children. <i>International Journal of Pharmaceutics</i> , <b>2018</b> , 545, 57-63	6.5	16
69	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> , <b>2011</b> , 100, 4281-94	3.9	16
68	Modelling and simulation of the hydrodynamics and mixing profiles in the human proximal colon using Discrete Multiphysics. <i>Computers in Biology and Medicine</i> , <b>2020</b> , 121, 103819	7	16
67	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> , <b>2015</b> , 495, 362-373	6.5	15
66	Feasibility of a bioadhesive drug delivery system targeted to oesophageal tissue. <i>European Journal of Pharmaceutics and Biopharmaceutics</i> , <b>2004</b> , 57, 295-8	5.7	15
65	Methodology Used to Assess Acceptability of Oral Pediatric Medicines: A Systematic Literature Search and Narrative Review. <i>Paediatric Drugs</i> , <b>2017</b> , 19, 223-233	4.2	13
64	Investigation of the effect of the water to powder ratio on hydraulic cement properties. <i>Dental Materials</i> , <b>2019</b> , 35, 1146-1154	5.7	13
63	Towards the development of a paediatric biopharmaceutics classification system: Results of a survey of experts. <i>International Journal of Pharmaceutics</i> , <b>2016</b> , 511, 1151-7	6.5	13

62	Determination of ibuprofen solubility in wax: a comparison of microscopic, thermal and release rate techniques. <i>European Journal of Pharmaceutics and Biopharmaceutics</i> , <b>2007</b> , 67, 106-11	5.7	13
61	Developing methodology to evaluate the oral sensory features of pharmaceutical tablet coatings. <i>International Journal of Pharmaceutics</i> , <b>2019</b> , 562, 212-217	6.5	12
60	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> , <b>2013</b> , 39, 704-15	3.6	12
59	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> , <b>2018</b> , 8, e021961	3	11
58	Magnetic Resonance Imaging Quantification of Gastrointestinal Liquid Volumes and Distribution in the Gastrointestinal Tract of Children. <i>Molecular Pharmaceutics</i> , <b>2019</b> , 16, 3896-3903	5.6	9
57	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> , <b>2017</b> , 25, 326-334	1.7	8
56	Strategies and therapeutic opportunities for the delivery of drugs to the esophagus. <i>Critical Reviews in Therapeutic Drug Carrier Systems</i> , <b>2008</b> , 25, 259-304	2.8	8
55	Acceptability of placebo multiparticulate formulations in children and adults. <i>Scientific Reports</i> , <b>2018</b> , 8, 9210	4.9	8
54	A review of GI conditions critical to oral drug absorption in malnourished children. <i>European Journal of Pharmaceutics and Biopharmaceutics</i> , <b>2019</b> , 137, 9-22	5.7	7
53	Comparing paediatric intravenous phenytoin doses using physiologically based pharmacokinetic (PBPK) modelling software. <i>Seizure: the Journal of the British Epilepsy Association</i> , <b>2015</b> , 33, 8-12	3.2	7
52	The Importance of a Mathematics Diagnostic Test for Incoming Pharmacy Undergraduates. <i>Pharmacy Education</i> , <b>2004</b> , 4, 69-74		7
51	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> , <b>2016</b> , 101, e2	2.2	7
50	Sporopollenin Exine Microcapsules as Potential Intestinal Delivery System of Probiotics. <i>Small</i> , <b>2021</b> , 17, e2004573	11	7
49	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> , <b>2020</b> , 12,	6.4	6
48	Use of PLIF to assess the mixing performance of small volume USP 2 apparatus in shear thinning media. <i>Chemical Engineering Science</i> , <b>2016</b> , 145, 1-9	4.4	5
47	A review of prednisolone prescribing for children with acute asthma in the UK. <i>Journal of Asthma</i> , <b>2016</b> , 53, 563-6	1.9	5
46	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> , <b>2021</b> , 1, None		5
45	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> , <b>2019</b> , 242, 71-78	2.4	4

44	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> , <b>2020</b> , 585, 119511	6.5	4
43	Barriers to administering non-oral formulations in a paediatric population: A semi-structured interview study. <i>International Journal of Pharmaceutics</i> , <b>2016</b> , 497, 12-7	6.5	4
42	Microscopic techniques as potential tools to quantify the extent of bioadhesion of liquid systems. <i>European Journal of Pharmaceutical Sciences</i> , <b>2004</b> , 22, 341-6	5.1	4
41	A constructivist method for teaching concentration calculations to pharmacy students. <i>Pharmacy Education</i> , <b>2007</b> , 7, 69-76		3
40	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> , <b>2021</b> , 13,	6.4	3
39	CHILDREN WITH CYSTIC FIBROSIS: UNDERSTANDING ISSUES RELATED TO ORAL ADMINISTRATION OF LIQUID FLUCLOXACILLIN. <i>Archives of Disease in Childhood</i> , <b>2016</b> , 101, e2	2.2	3
38	Pharmacy and formulation support for paediatric clinical trials in England. <i>International Journal of Pharmaceutics</i> , <b>2016</b> , 511, 1163-8	6.5	3
37	A Novel Oral Syringe for Dosing and Administration of Multiparticulate Formulations: Acceptability Study in Preschool and School Children. <i>Pharmaceutics</i> , <b>2020</b> , 12,	6.4	2
36	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> , <b>2021</b> , 597, 120323	6.5	2
35	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> , <b>2021</b> , 23, 57	3.7	2
34	Characterisation of fasted state gastric and intestinal fluids collected from children. <i>European Journal of Pharmaceutics and Biopharmaceutics</i> , <b>2021</b> , 158, 156-165	5.7	2
33	In vivo models to evaluate ingestible devices: Present status and current trends. <i>Advanced Drug Delivery Reviews</i> , <b>2021</b> , 177, 113915	18.5	2
32	In vitro models to evaluate ingestible devices: Present status and current trends. <i>Advanced Drug Delivery Reviews</i> , <b>2021</b> , 178, 113924	18.5	2
31	Paediatric Development: Anatomy. Age, Weight, Body Surface and Stature, Organ Development. <i>AAPS Advances in the Pharmaceutical Sciences Series</i> , <b>2014</b> , 3-7	0.5	1
30	Quantification of Fluid Volume and Distribution in the Paediatric Colon via Magnetic Resonance Imaging. <i>Pharmaceutics</i> , <b>2021</b> , 13,	6.4	1
29	Rectal Drug Delivery. <i>AAPS Advances in the Pharmaceutical Sciences Series</i> , <b>2014</b> , 303-310	0.5	1
28	Paediatric Development: Gastrointestinal. <i>AAPS Advances in the Pharmaceutical Sciences Series</i> , <b>2014</b> , 43-54	0.5	1
27	Sensory attributes of coated tablets: Developing a formal lexicon and sensory wheel. <i>International Journal of Pharmaceutics</i> , <b>2020</b> , 590, 119883	6.5	1

26	Minitablets may be an acceptable alternative to liquid in infants and young children. <i>Journal of Pediatrics</i> , <b>2019</b> , 206, 298-301	3.6	1
25	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> , <b>2021</b> , 7, 54	1.9	1
24	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> , <b>2021</b> ,	3.8	1
23	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> , <b>2021</b> , 26, 740-753	8.8	0
22	Practical and operational considerations related to paediatric oral drug formulation: an industry survey.. <i>International Journal of Pharmaceutics</i> , <b>2022</b> , 121670	6.5	0
21	Solubility <b>2022</b> , 39-50		0
20	Application of a Physiologically Based Pharmacokinetic Model to Predict Cefazolin and Cefuroxime Disposition in Obese Pregnant Women Undergoing Caesarean Section. <i>Pharmaceutics</i> , <b>2022</b> , 14, 1162	6.4	0
19	ASSESSMENT OF VANCOMYCIN CONCENTRATIONS IN SYRINGES PREPARED WITHIN A WARD SETTING. <i>Archives of Disease in Childhood</i> , <b>2016</b> , 101, e2	2.2	
18	Nasal, Ocular and Otic Drug Delivery. <i>AAPS Advances in the Pharmaceutical Sciences Series</i> , <b>2014</b> , 273-301	0.5	
17	The Dangerous Business of Predicting the Future. <i>AAPS Advances in the Pharmaceutical Sciences Series</i> , <b>2014</b> , 429-431	0.5	
16	Dissolution <b>2022</b> , 73-98		
15	Permeability <b>2022</b> , 51-72		
14	Biopharmaceutics of Injectable Formulations <b>2022</b> , 253-263		
13	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> , <b>2021</b> , 158, 365-370	5.7	
12	An Introduction to Biopharmaceutics <b>2022</b> , 1-8		
11	Biopharmaceutic Classification System <b>2022</b> , 135-146		
10	Integrating Biopharmaceutics to Predict Oral Absorption Using PBPK Modelling <b>2022</b> , 189-203		
9	Basic Pharmacokinetics <b>2022</b> , 9-29		

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- 7 Regulatory Biopharmaceutics **2022**, 147-163
- 6 Biopharmaceutics Tools for Rational Formulation Design **2022**, 113-133
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