

Abina M Crean

List of Publications by Year in descending order

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44
papers

1,697
citations

304368

22
h-index

276539

41
g-index

45
all docs

45
docs citations

45
times ranked

2061
citing authors

#	ARTICLE	IF	CITATIONS
1	Modelling the Compaction Step of a Platform Direct Compression Process. <i>Pharmaceutics</i> , 2022, 14, 695.	2.0	1
2	Determination of co-crystal phase purity by mid infrared spectroscopy and multiple curve resolution. <i>International Journal of Pharmaceutics</i> , 2021, 595, 120246.	2.6	1
3	Osteointegration, antimicrobial and antibiofilm activity of orthopaedic titanium surfaces coated with silver and strontium-doped hydroxyapatite using a novel blasting process. <i>Drug Delivery and Translational Research</i> , 2021, 11, 702-716.	3.0	11
4	Fluorescence spectroscopy for the determination of reconstitution time of an in-vial lyophilised product. <i>International Journal of Pharmaceutics</i> , 2021, 597, 120368.	2.6	2
5	Sounding out stability of enteric coated dosage forms using Broadband Acoustic Resonance Dissolution Spectroscopy (BARDS). <i>International Journal of Pharmaceutics</i> , 2021, 602, 120614.	2.6	0
6	Process Model Approach to Predict Tablet Weight Variability for Direct Compression Formulations at Pilot and Production Scale. <i>Pharmaceutics</i> , 2021, 13, 1033.	2.0	3
7	Investigating microcrystalline cellulose crystallinity using Raman spectroscopy. <i>Cellulose</i> , 2021, 28, 8971-8985.	2.4	8
8	Engineered food supplement excipients from bitter cassava for minimisation of cassava processing waste in environment. <i>Future Foods</i> , 2020, 1-2, 100003.	2.4	4
9	Application of percolation threshold to disintegration and dissolution of ibuprofen tablets with different microcrystalline cellulose grades. <i>International Journal of Pharmaceutics</i> , 2020, 589, 119838.	2.6	10
10	Long-term stability of insulin glulisine loaded nanoparticles formulated using an amphiphilic cyclodextrin and designed for intestinal delivery. <i>Drug Development and Industrial Pharmacy</i> , 2020, 46, 1073-1079.	0.9	2
11	Comparison of Drug Release and Adsorption under Supersaturating Conditions for Ordered Mesoporous Silica with Indomethacin or Indomethacin Methyl Ester. <i>Molecular Pharmaceutics</i> , 2020, 17, 3062-3074.	2.3	10
12	Understanding the knowledge, attitudes and beliefs of community-dwelling older adults and their carers about the modification of oral medicines: A qualitative interview study to inform healthcare professional practice. <i>Research in Social and Administrative Pharmacy</i> , 2019, 15, 1425-1435.	1.5	5
13	The application of percolation threshold theory to predict compaction behaviour of pharmaceutical powder blends. <i>Powder Technology</i> , 2019, 354, 188-198.	2.1	12
14	Continuous powder feeding for pharmaceutical solid dosage form manufacture: a short review. <i>Pharmaceutical Development and Technology</i> , 2018, 23, 554-560.	1.1	46
15	Broadband Acoustic Resonance Dissolution Spectroscopy (BARDS): A Novel Approach To Investigate the Wettability of Pharmaceutical Powder Blends. <i>Molecular Pharmaceutics</i> , 2018, 15, 31-39.	2.3	8
16	Experimental Study on the Influence of Excipients on the Heterogeneous Crystallization and Dissolution Properties of an Active Pharmaceutical Ingredient. <i>Crystal Growth and Design</i> , 2018, 18, 338-350.	1.4	18
17	Role of Drug Adsorption onto the Silica Surface in Drug Release from Mesoporous Silica Systems. <i>Molecular Pharmaceutics</i> , 2018, 15, 141-149.	2.3	29
18	Manufacturing classification system in the real world: factors influencing manufacturing process choices for filed commercial oral solid dosage formulations, case studies from industry and considerations for continuous processing. <i>Pharmaceutical Development and Technology</i> , 2018, 23, 964-977.	1.1	63

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19	Parenteral protein formulations: An overview of approved products within the European Union. <i>European Journal of Pharmaceutics and Biopharmaceutics</i> , 2018, 131, 8-24.	2.0	100
20	In vitro dissolution models for the prediction of in vivo performance of an oral mesoporous silica formulation. <i>Journal of Controlled Release</i> , 2017, 250, 86-95.	4.8	27
21	Near-infrared monitoring of roller compacted ribbon density: Investigating sources of variation contributing to noisy spectral data. <i>European Journal of Pharmaceutical Sciences</i> , 2017, 102, 103-114.	1.9	9
22	The knowledge, attitudes and beliefs of patients and their healthcare professionals around oral dosage form modification: A systematic review of the qualitative literature. <i>Research in Social and Administrative Pharmacy</i> , 2017, 13, 717-726.	1.5	13
23	Oral medicine modification for older adults: a qualitative study of nurses. <i>BMJ Open</i> , 2017, 7, e018151.	0.8	10
24	087THE KNOWLEDGE, ATTITUDES AND BELIEFS OF NURSES ABOUT THE MODIFICATION OF ORAL MEDICINES: A QUALITATIVE INTERVIEW STUDY. <i>Age and Ageing</i> , 2016, 45, ii13.8-ii56.	0.7	0
25	Modification of oral dosage forms for the older adult: An Irish prevalence study. <i>International Journal of Pharmaceutics</i> , 2016, 510, 386-393.	2.6	13
26	Induction of broad immunity by thermostabilised vaccines incorporated in dissolvable microneedles using novel fabrication methods. <i>Journal of Controlled Release</i> , 2016, 225, 192-204.	4.8	86
27	Older adults with difficulty swallowing oral medicines: a systematic review of the literature. <i>European Journal of Clinical Pharmacology</i> , 2016, 72, 141-151.	0.8	38
28	Mesoporous silica formulation strategies for drug dissolution enhancement: a review. <i>Expert Opinion on Drug Delivery</i> , 2016, 13, 93-108.	2.4	134
29	Dissolvable microneedle fabrication using piezoelectric dispensing technology. <i>International Journal of Pharmaceutics</i> , 2016, 500, 1-10.	2.6	55
30	Assessment of measurement characteristics for rehydration of milk protein based powders. <i>Food Hydrocolloids</i> , 2016, 54, 151-161.	5.6	57
31	A proposal for a drug product Manufacturing Classification System (MCS) for oral solid dosage forms. <i>Pharmaceutical Development and Technology</i> , 2015, 20, 12-21.	1.1	192
32	Porous Silicas for Enhanced Drug Release. <i>Advances in Science and Technology</i> , 2014, 91, 79-81.	0.2	0
33	Enhancement of the in vitro penetration of quercetin through pig skin by combined microneedles and lipid microparticles. <i>International Journal of Pharmaceutics</i> , 2014, 472, 206-213.	2.6	36
34	Production of dissolvable microneedles using an atomised spray process: Effect of microneedle composition on skin penetration. <i>European Journal of Pharmaceutics and Biopharmaceutics</i> , 2014, 86, 200-211.	2.0	111
35	Improved percutaneous delivery of ketoprofen using combined application of nanocarriers and silicon microneedles. <i>Journal of Pharmacy and Pharmacology</i> , 2013, 65, 1451-1462.	1.2	39
36	Comparison of fenofibrate mesoporous silica drug-loading processes for enhanced drug delivery. <i>European Journal of Pharmaceutical Sciences</i> , 2013, 50, 400-409.	1.9	92

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37	The influence of supercritical carbon dioxide (SC-CO ₂) processing conditions on drug loading and physicochemical properties. <i>International Journal of Pharmaceutics</i> , 2012, 439, 92-99.	2.6	29
38	Coated microneedle arrays for transcutaneous delivery of live virus vaccines. <i>Journal of Controlled Release</i> , 2012, 159, 34-42.	4.8	141
39	An Analysis of the Influence of Multiple Processing Factors on the Characteristics of Bioactive-Loaded Beads Prepared by Extrusion-Spheronisation. <i>Food and Bioprocess Technology</i> , 2012, 5, 55-64.	2.6	2
40	A comparative study of spray-dried and freeze-dried hydrocortisone/polyvinyl pyrrolidone solid dispersions. <i>Drug Development and Industrial Pharmacy</i> , 2011, 37, 1141-1149.	0.9	26
41	A Modified Surface on Titanium Deposited by a Blasting Process. <i>Coatings</i> , 2011, 1, 53-71.	1.2	25
42	Microneedle Array Design Determines the Induction of Protective Memory CD8 ⁺ T Cell Responses Induced by a Recombinant Live Malaria Vaccine in Mice. <i>PLoS ONE</i> , 2011, 6, e22442.	1.1	68
43	Determination of parameters for successful spray coating of silicon microneedle arrays. <i>International Journal of Pharmaceutics</i> , 2011, 415, 140-149.	2.6	114
44	Comparative physicochemical properties of hydrocortisone-PVP composites prepared using supercritical carbon dioxide by the GAS anti-solvent recrystallization process, by coprecipitation and by spray drying. <i>International Journal of Pharmaceutics</i> , 2002, 245, 75-82.	2.6	47