

Abina M Crean

List of Publications by Year in descending order

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44
papers

1,697
citations

304743

22
h-index

276875

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.	4.5	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.	5.2	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.	5.8	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.	5.2	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.	5.2	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.	4.5	3
7	Investigating microcrystalline cellulose crystallinity using Raman spectroscopy. <i>Cellulose</i> , 2021, 28, 8971-8985.	4.9	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.	5.4	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.	5.2	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.	2.0	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.	4.6	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.	3.0	5
13	The application of percolation threshold theory to predict compaction behaviour of pharmaceutical powder blends. <i>Powder Technology</i> , 2019, 354, 188-198.	4.2	12
14	Continuous powder feeding for pharmaceutical solid dosage form manufacture: a short review. <i>Pharmaceutical Development and Technology</i> , 2018, 23, 554-560.	2.4	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.	4.6	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.	3.0	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.	4.6	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.	2.4	63

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19	Parenteral protein formulations: An overview of approved products within the European Union. European Journal of Pharmaceutics and Biopharmaceutics, 2018, 131, 8-24.	4.3	100
20	In vitro dissolution models for the prediction of in vivo performance of an oral mesoporous silica formulation. Journal of Controlled Release, 2017, 250, 86-95.	9.9	27
21	Near-infrared monitoring of roller compacted ribbon density: Investigating sources of variation contributing to noisy spectral data. European Journal of Pharmaceutical Sciences, 2017, 102, 103-114.	4.0	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. Research in Social and Administrative Pharmacy, 2017, 13, 717-726.	3.0	13
23	Oral medicine modification for older adults: a qualitative study of nurses. BMJ Open, 2017, 7, e018151.	1.9	10
24	087THE KNOWLEDGE, ATTITUDES AND BELIEFS OF NURSES ABOUT THE MODIFICATION OF ORAL MEDICINES: A QUALITATIVE INTERVIEW STUDY. Age and Ageing, 2016, 45, ii13.8-ii56.	1.6	0
25	Modification of oral dosage forms for the older adult: An Irish prevalence study. International Journal of Pharmaceutics, 2016, 510, 386-393.	5.2	13
26	Induction of broad immunity by thermostabilised vaccines incorporated in dissolvable microneedles using novel fabrication methods. Journal of Controlled Release, 2016, 225, 192-204.	9.9	86
27	Older adults with difficulty swallowing oral medicines: a systematic review of the literature. European Journal of Clinical Pharmacology, 2016, 72, 141-151.	1.9	38
28	Mesoporous silica formulation strategies for drug dissolution enhancement: a review. Expert Opinion on Drug Delivery, 2016, 13, 93-108.	5.0	134
29	Dissolvable microneedle fabrication using piezoelectric dispensing technology. International Journal of Pharmaceutics, 2016, 500, 1-10.	5.2	55
30	Assessment of measurement characteristics for rehydration of milk protein based powders. Food Hydrocolloids, 2016, 54, 151-161.	10.7	57
31	A proposal for a drug product Manufacturing Classification System (MCS) for oral solid dosage forms. Pharmaceutical Development and Technology, 2015, 20, 12-21.	2.4	192
32	Porous Silicas for Enhanced Drug Release. Advances in Science and Technology, 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. International Journal of Pharmaceutics, 2014, 472, 206-213.	5.2	36
34	Production of dissolvable microneedles using an atomised spray process: Effect of microneedle composition on skin penetration. European Journal of Pharmaceutics and Biopharmaceutics, 2014, 86, 200-211.	4.3	111
35	Improved percutaneous delivery of ketoprofen using combined application of nanocarriers and silicon microneedles. Journal of Pharmacy and Pharmacology, 2013, 65, 1451-1462.	2.4	39
36	Comparison of fenofibrateâ€“mesoporous silica drug-loading processes for enhanced drug delivery. European Journal of Pharmaceutical Sciences, 2013, 50, 400-409.	4.0	92

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37	The influence of supercritical carbon dioxide (SC-CO ₂) processing conditions on drug loading and physicochemical properties. International Journal of Pharmaceutics, 2012, 439, 92-99.	5.2	29
38	Coated microneedle arrays for transcutaneous delivery of live virus vaccines. Journal of Controlled Release, 2012, 159, 34-42.	9.9	141
39	An Analysis of the Influence of Multiple Processing Factors on the Characteristics of Bioactive-Loaded Beads Prepared by Extrusion-Spheronisation. Food and Bioprocess Technology, 2012, 5, 55-64.	4.7	2
40	A comparative study of spray-dried and freeze-dried hydrocortisone/polyvinyl pyrrolidone solid dispersions. Drug Development and Industrial Pharmacy, 2011, 37, 1141-1149.	2.0	26
41	A Modified Surface on Titanium Deposited by a Blasting Process. Coatings, 2011, 1, 53-71.	2.6	25
42	Microneedle Array Design Determines the Induction of Protective Memory CD8+ T Cell Responses Induced by a Recombinant Live Malaria Vaccine in Mice. PLoS ONE, 2011, 6, e22442.	2.5	68
43	Determination of parameters for successful spray coating of silicon microneedle arrays. International Journal of Pharmaceutics, 2011, 415, 140-149.	5.2	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. International Journal of Pharmaceutics, 2002, 245, 75-82.	5.2	47