

Duncan Q M Craig

List of Publications by Year in descending order

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Version: 2024-02-01

80
papers

2,956
citations

172386

29
h-index

182361

51
g-index

82
all docs

82
docs citations

82
times ranked

3058
citing authors

#	ARTICLE	IF	CITATIONS
1	The mechanisms of drug release from solid dispersions in water-soluble polymers. <i>International Journal of Pharmaceutics</i> , 2002, 231, 131-144.	2.6	773
2	Characterization of the Block Structure and Molecular Weight of Sodium Alginates. <i>Journal of Pharmacy and Pharmacology</i> , 2011, 49, 639-643.	1.2	133
3	Characterisation of solid dispersions of paracetamol and EUDRAGIT® E prepared by hot-melt extrusion using thermal, microthermal and spectroscopic analysis. <i>International Journal of Pharmaceutics</i> , 2008, 354, 158-167.	2.6	131
4	Characterisation and Prediction of Phase Separation in Hot-Melt Extruded Solid Dispersions: A Thermal, Microscopic and NMR Relaxometry Study. <i>Pharmaceutical Research</i> , 2010, 27, 1869-1883.	1.7	74
5	An Evaluation of the Mechanisms of Drug Release from Glyceride Bases. <i>Journal of Pharmacy and Pharmacology</i> , 2011, 47, 182-187.	1.2	71
6	The Influence of Drug Physical State on the Dissolution Enhancement of Solid Dispersions Prepared Via Hot-Melt Extrusion: A Case Study Using Olanzapine. <i>Journal of Pharmaceutical Sciences</i> , 2014, 103, 1214-1223.	1.6	69
7	Formation of Protein and Protein-“Gold Nanoparticle Stabilized Microbubbles by Pressurized Gyration. <i>Langmuir</i> , 2015, 31, 659-666.	1.6	65
8	Recent developments in micro- and nanofabrication techniques for the preparation of amorphous pharmaceutical dosage forms. <i>Advanced Drug Delivery Reviews</i> , 2016, 100, 67-84.	6.6	60
9	Development of micro-fibrous solid dispersions of poorly water-soluble drugs in sucrose using temperature-controlled centrifugal spinning. <i>European Journal of Pharmaceutics and Biopharmaceutics</i> , 2016, 103, 84-94.	2.0	58
10	Structural studies of microcosm dental plaques grown under different nutritional conditions. <i>FEMS Microbiology Letters</i> , 2000, 189, 215-218.	0.7	57
11	An evaluation of the use of modulated temperature DSC as a means of assessing the relaxation behaviour of amorphous lactose. <i>Pharmaceutical Research</i> , 2000, 17, 696-700.	1.7	54
12	The effects of ageing on the rheological, dielectric and mucoadhesive properties of poly(acrylic acid) gel systems. <i>Pharmaceutical Research</i> , 1996, 13, 279-283.	1.7	52
13	Compositional Analysis of Low Quantities of Phase Separation in Hot-Melt-Extruded Solid Dispersions: A Combined Atomic Force Microscopy, Photothermal Fourier-Transform Infrared Microspectroscopy, and Localised Thermal Analysis Approach. <i>Pharmaceutical Research</i> , 2011, 28, 2311-2326.	1.7	51
14	Mucoadhesion of Progesterone-Loaded Drug Delivery Nanofiber Constructs. <i>ACS Applied Materials & Interfaces</i> , 2018, 10, 13381-13389.	4.0	51
15	Nanoscale Characterisation and Imaging of Partially Amorphous Materials using Local Thermomechanical Analysis and Heated Tip AFM. <i>Pharmaceutical Research</i> , 2007, 24, 2048-2054.	1.7	46
16	Generation of poly(N-vinylpyrrolidone) nanofibres using pressurised gyration. <i>Materials Science and Engineering C</i> , 2014, 39, 168-176.	3.8	42
17	Making Nonwoven Fibrous Poly(ε-caprolactone) Constructs for Antimicrobial and Tissue Engineering Applications by Pressurized Melt Gyration. <i>Macromolecular Materials and Engineering</i> , 2016, 301, 922-934.	1.7	42
18	In vitro drug release from acetylated high amylose starch-zein films for oral colon-specific drug delivery. <i>International Journal of Pharmaceutics</i> , 2019, 556, 311-319.	2.6	41

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19	Making nanofibres of mucoadhesive polymer blends for vaginal therapies. <i>European Polymer Journal</i> , 2015, 70, 186-196.	2.6	38
20	The development of progesterone-loaded nanofibers using pressurized gyration: A novel approach to vaginal delivery for the prevention of pre-term birth. <i>International Journal of Pharmaceutics</i> , 2018, 540, 31-39.	2.6	38
21	Dual drug-loaded coaxial nanofibers for the treatment of corneal abrasion. <i>International Journal of Pharmaceutics</i> , 2020, 581, 119296.	2.6	37
22	An investigation into the influence of drug-polymer interactions on the miscibility, processability and structure of polyvinylpyrrolidone-based hot melt extrusion formulations. <i>International Journal of Pharmaceutics</i> , 2015, 496, 95-106.	2.6	36
23	An Investigation into the Crystallization of α -D-Glucose from the Amorphous State. <i>Journal of Physical Chemistry B</i> , 2003, 107, 6614-6620.	1.2	35
24	Development and Characterization of Amorphous Nanofiber Drug Dispersions Prepared Using Pressurized Gyration. <i>Molecular Pharmaceutics</i> , 2015, 12, 3851-3861.	2.3	35
25	Hot melt extruded transdermal films based on amorphous solid dispersions in Eudragit RS PO: The inclusion of hydrophilic additives to develop moisture-activated release systems. <i>International Journal of Pharmaceutics</i> , 2016, 514, 270-281.	2.6	35
26	An investigation into the effect of preparation conditions on the structure and mechanical properties of pharmaceutical glyceride bases. <i>International Journal of Pharmaceutics</i> , 1994, 110, 75-91.	2.6	34
27	The use of modulated temperature DSC for the study of pharmaceutical systems: potential uses and limitations. , 1998, 15, 1152-1153.		32
28	Pharmaceutical Applications of Micro-Thermal Analysis. <i>Journal of Pharmaceutical Sciences</i> , 2002, 91, 1201-1213.	1.6	32
29	Olanzapine Form IV: Discovery of a New Polymorphic Form Enabled by Computed Crystal Energy Landscapes. <i>Crystal Growth and Design</i> , 2019, 19, 2751-2757.	1.4	31
30	Evaluation of the taste-masking effects of (2-hydroxypropyl)- β -cyclodextrin on ranitidine hydrochloride; a combined biosensor, spectroscopic and molecular modelling assessment. <i>RSC Advances</i> , 2018, 8, 3564-3573.	1.7	30
31	Solid state characterisation and taste masking efficiency evaluation of polymer based extrudates of isoniazid for paediatric administration. <i>International Journal of Pharmaceutics</i> , 2018, 536, 536-546.	2.6	30
32	An investigation into the thermal behaviour of an amorphous drug using low frequency dielectric spectroscopy and modulated temperature differential scanning calorimetry. <i>Journal of Pharmacy and Pharmacology</i> , 2010, 53, 41-48.	1.2	28
33	The application of ATR-FTIR spectroscopy and multivariate data analysis to study drug crystallisation in the stratum corneum. <i>European Journal of Pharmaceutics and Biopharmaceutics</i> , 2017, 111, 16-25.	2.0	28
34	An Investigation into the Mechanisms of Drug Release From Taste-Masking Fatty Acid Microspheres. <i>Journal of Pharmaceutical Sciences</i> , 2008, 97, 3842-3854.	1.6	25
35	The measurement of small quantities of amorphous material--should we be considering the rigid amorphous fraction?. <i>Pharmaceutical Research</i> , 2001, 18, 1081-1082.	1.7	23
36	The effect of processing on the surface physical stability of amorphous solid dispersions. <i>European Journal of Pharmaceutics and Biopharmaceutics</i> , 2014, 88, 897-908.	2.0	22

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37	Electrospinning Optimization of Eudragit E PO with and without Chlorpheniramine Maleate Using a Design of Experiment Approach. <i>Molecular Pharmaceutics</i> , 2019, 16, 2557-2568.	2.3	22
38	Design and Characterization of Cyclosporine A-Loaded Nanofibers for Enhanced Drug Dissolution. <i>ACS Omega</i> , 2020, 5, 1003-1013.	1.6	22
39	Microfluidic synthesis of protein-loaded nanogels in a coaxial flow reactor using a design of experiments approach. <i>Nanoscale Advances</i> , 2021, 3, 2039-2055.	2.2	22
40	Two- and Three-Dimensional Imaging of Multicomponent Systems Using Scanning Thermal Microscopy and Localized Thermomechanical Analysis. <i>Analytical Chemistry</i> , 2007, 79, 129-139.	3.2	20
41	Mapping amorphous material on a partially crystalline surface: Nanothermal analysis for simultaneous characterisation and imaging of lactose compacts. <i>Journal of Pharmaceutical Sciences</i> , 2009, 98, 1499-1510.	1.6	19
42	Monitoring Drug Crystallization in Percutaneous Penetration Using Localized Nanothermal Analysis and Photothermal Microspectroscopy. <i>Molecular Pharmaceutics</i> , 2019, 16, 359-370.	2.3	19
43	A Potential Alternative Orodispersible Formulation to Prednisolone Sodium Phosphate Orally Disintegrating Tablets. <i>Pharmaceutics</i> , 2021, 13, 120.	2.0	19
44	Spatial Characterization of Hot Melt Extruded Dispersion Systems Using Thermal Atomic Force Microscopy Methods: The Effects of Processing Parameters on Phase Separation. <i>Pharmaceutical Research</i> , 2014, 31, 1744-1752.	1.7	18
45	An Inexpensive, Portable Device for Point-of-Need Generation of Silver Nanoparticle Doped Cellulose Acetate Nanofibers for Advanced Wound Dressing. <i>Macromolecular Materials and Engineering</i> , 2018, 303, 1700586.	1.7	18
46	In vitro and in vivo biological assessment of dual drug-loaded coaxial nanofibers for the treatment of corneal abrasion. <i>International Journal of Pharmaceutics</i> , 2021, 604, 120732.	2.6	18
47	Thermal Probe Based Analytical Microscopy: Thermal Analysis and Photothermal Fourier-Transform Infrared Microspectroscopy Together with Thermally Assisted Nanosampling Coupled with Capillary Electrophoresis. <i>Analytical Chemistry</i> , 2009, 81, 6612-6619.	3.2	17
48	An investigation into the temperature dependence of the rheological synergy between xanthan gum and locust bean gum mixtures. <i>Journal of Biomaterials Science, Polymer Edition</i> , 1997, 8, 377-389.	1.9	15
49	The generation of compartmentalized nanoparticles containing siRNA and cisplatin using a multi-needle electrohydrodynamic strategy. <i>Nanoscale</i> , 2017, 9, 5975-5985.	2.8	15
50	Microfibrous Solid Dispersions of Poorly Water-Soluble Drugs Produced via Centrifugal Spinning: Unexpected Dissolution Behavior on Recrystallization. <i>Molecular Pharmaceutics</i> , 2017, 14, 1666-1680.	2.3	15
51	Multi-Methodological Quantitative Taste Assessment of Anti-Tuberculosis Drugs to Support the Development of Palatable Paediatric Dosage Forms. <i>Pharmaceutics</i> , 2020, 12, 369.	2.0	15
52	Low-Frequency Dielectric Investigations into the Phase Behavior of Glyceryl Monoolein/Water Systems. <i>Journal of Physical Chemistry B</i> , 1998, 102, 1781-1786.	1.2	14
53	The Journal of Pharmacy and Pharmacology in the New Millennium. <i>Journal of Pharmacy and Pharmacology</i> , 2010, 52, 1-1.	1.2	14
54	Generation and Characterization of Standardized Forms of Trehalose Dihydrate and Their Associated Solid-State Behavior. <i>Crystal Growth and Design</i> , 2014, 14, 4955-4967.	1.4	14

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55	The Development of Heated Tip Forceâ€”Distance Measurements as a Novel Approach to Site-Specific Characterization of Pharmaceutical Materials. <i>Journal of Pharmaceutical Sciences</i> , 2008, 97, 2768-2779.	1.6	12
56	The Development of Thermally Assisted Particle Manipulation and Thermal Nanointeraction Studies as a Means of Investigating Drugâ€”Polymer Interactions. <i>Journal of Pharmaceutical Sciences</i> , 2008, 97, 1551-1563.	1.6	11
57	Pharmaceutical Materials Science â€” Resuscitation or Reincarnation?*. <i>Journal of Pharmacy and Pharmacology</i> , 2011, 49, 119-126.	1.2	11
58	The application of novel nano-thermal and imaging techniques for monitoring drug microstructure and distribution within PLGA microspheres. <i>International Journal of Pharmaceutics</i> , 2017, 522, 34-49.	2.6	11
59	Alginate foam-based three-dimensional culture to investigate drug sensitivity in primary leukaemia cells. <i>Journal of the Royal Society Interface</i> , 2018, 15, 20170928.	1.5	11
60	Profiling of drug crystallization in the skin. <i>Expert Opinion on Drug Delivery</i> , 2020, 17, 1321-1334.	2.4	11
61	Controlled local release of PPAR β agonists from biomaterials to treat peripheral nerve injury. <i>Journal of Neural Engineering</i> , 2020, 17, 046030.	1.8	11
62	Utilising Co-Axial Electrospinning as a Taste-Masking Technology for Paediatric Drug Delivery. <i>Pharmaceutics</i> , 2021, 13, 1665.	2.0	11
63	Nano-thermal imaging of the stratum corneum and its potential use for understanding of the mechanism of skin penetration enhancer. <i>Thermochimica Acta</i> , 2017, 655, 278-283.	1.2	10
64	Compositional Analysis of Metal Chelating Materials Using Near-Field Photothermal Fourier Transform Infrared Microspectroscopy. <i>Analytical Chemistry</i> , 2010, 82, 91-97.	3.2	9
65	An Investigation Into the Low Temperature Thermal Behaviour of Vitamin E Preparation USP Using Differential Scanning Calorimetry and Low Frequency Dielectric Analysis. <i>Journal of Pharmacy and Pharmacology</i> , 2010, 52, 941-947.	1.2	8
66	The Development of Quasi-isothermal Calorimetry for the Measurement of Drugâ€”Polymer Miscibility and Crystallization Kinetics: Olanzapine-Loaded PLGA Microparticles. <i>Molecular Pharmaceutics</i> , 2018, 15, 3332-3342.	2.3	8
67	Human mouthfeel panel investigating the acceptability of electrospun and solvent cast orodispersible films. <i>International Journal of Pharmaceutics</i> , 2020, 585, 119532.	2.6	8
68	Characterization of the variation between batches of Fast-Flo lactose using low frequency dielectric spectroscopy. <i>Journal of Pharmacy and Pharmacology</i> , 2011, 43, 444-445.	1.2	7
69	The Development of Thermal Nanoprobe Methods as a Means of Characterizing and Mapping Plasticizer Incorporation into Ethylcellulose Films. <i>Pharmaceutical Research</i> , 2012, 29, 2128-2138.	1.7	7
70	The Use of Quasi-Isothermal Modulated Temperature Differential Scanning Calorimetry for the Characterization of Slow Crystallization Processes in Lipid-Based Solid Self-Emulsifying Systems. <i>Pharmaceutical Research</i> , 2015, 32, 1316-1324.	1.7	7
71	Design of Experiment Approach to Modeling the Effects of Formulation and Drug Loading on the Structure and Properties of Therapeutic Nanogels. <i>Molecular Pharmaceutics</i> , 2022, 19, 602-615.	2.3	7
72	A Simultaneous Differential Scanning Calorimetryâ€”X-ray Diffraction Study of Olanzapine Crystallization from Amorphous Solid Dispersions. <i>Molecular Pharmaceutics</i> , 2020, 17, 4364-4374.	2.3	6

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73	<p>Involving medical students in service improvement: evaluation of a student-led, extracurricular, multidisciplinary quality improvement initiative</p>. Advances in Medical Education and Practice, 2019, Volume 10, 781-793.	0.7	5
74	A Portable Device for the Generation of Drug-Loaded Three-Compartmental Fibers Containing Metronidazole and Iodine for Topical Application. Pharmaceutics, 2020, 12, 373.	2.0	5
75	Administration of aspirin tablets using a novel gel-based swallowing aid: an open-label randomised controlled cross-over trial. BMJ Innovations, 2019, 5, 113-119.	1.0	5
76	Analysis of single particle photodegradation using photothermal infrared microspectroscopy. Analyst, The, 2013, 138, 2315.	1.7	4
77	Development and Evaluation of Feline Tailored Amlodipine Besylate Mini-Tablets Using L-lysine as a Candidate Flavouring Agent. Pharmaceutics, 2020, 12, 917.	2.0	4
78	Characterization of Polymorphic Systems Using Thermal Analysis. , 2006, , 43-79.		2
79	An analytical quality by design approach towards a simple and novel HPLC-LIV method for quantification of the antifibrotic peptide N-acetyl-seryl-aspartyl-lysyl-proline. Analytical Biochemistry, 2022, 654, 114793.	1.1	2
80	An investigation into the drug dependence of the structure and release properties of Gelucire 50/13 matrices. Journal of Pharmacy and Pharmacology, 2011, 50, 142-142.	1.2	0