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List of Publications by Year
in descending order

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81	2,956	172457	182427
papers	citations	29 h-index	51 g-index

82	82	82	3058
all docs	docs citations	times ranked	citing authors

#	Article	IF	Citations
1	The mechanisms of drug release from solid dispersions in water-soluble polymers. International Journal of Pharmaceutics, 2002, 231, 131-144.	5.2	773
2	Characterization of the Block Structure and Molecular Weight of Sodium Alginates. Journal of Pharmacy and Pharmacology, 2011, 49, 639-643.	2.4	133
3	Characterisation of solid dispersions of paracetamol and EUDRAGITÂ® E prepared by hot-melt extrusion using thermal, microthermal and spectroscopic analysis. International Journal of Pharmaceutics, 2008, 354, 158-167.	5.2	131
4	Characterisation and Prediction of Phase Separation in Hot-Melt Extruded Solid Dispersions: A Thermal, Microscopic and NMR Relaxometry Study. Pharmaceutical Research, 2010, 27, 1869-1883.	3.5	74
5	An Evaluation of the Mechanisms of Drug Release from Glyceride Bases. Journal of Pharmacy and Pharmacology, 2011, 47, 182-187.	2.4	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. Journal of Pharmaceutical Sciences, 2014, 103, 1214-1223.	3.3	69
7	Formation of Protein and Proteinâ€“Gold Nanoparticle Stabilized Microbubbles by Pressurized Gyration. Langmuir, 2015, 31, 659-666.	3.5	65
8	Recent developments in micro- and nanofabrication techniques for the preparation of amorphous pharmaceutical dosage forms. Advanced Drug Delivery Reviews, 2016, 100, 67-84.	13.7	60
9	Development of micro-fibrous solid dispersions of poorly water-soluble drugs in sucrose using temperature-controlled centrifugal spinning. European Journal of Pharmaceutics and Biopharmaceutics, 2016, 103, 84-94.	4.3	58
10	Structural studies of microcosm dental plaques grown under different nutritional conditions. FEMS Microbiology Letters, 2000, 189, 215-218.	1.8	57
11	An evaluation of the use of modulated temperature DSC as a means of assessing the relaxation behaviour of amorphous lactose. Pharmaceutical Research, 2000, 17, 696-700.	3.5	54
12	The effects of ageing on the rheological, dielectric and mucoadhesive properties of poly(acrylic acid) gel systems. Pharmaceutical Research, 1996, 13, 279-283.	3.5	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. Pharmaceutical Research, 2011, 28, 2311-2326.	3.5	51
14	Mucoadhesion of Progesterone-Loaded Drug Delivery Nanofiber Constructs. ACS Applied Materials & Interfaces, 2018, 10, 13381-13389.	8.0	51
15	Nanoscale Characterisation and Imaging of Partially Amorphous Materials using Local Thermomechanical Analysis and Heated Tip AFM. Pharmaceutical Research, 2007, 24, 2048-2054.	3.5	46
16	Generation of poly(N-vinylpyrrolidone) nanofibres using pressurised gyration. Materials Science and Engineering C, 2014, 39, 168-176.	7.3	42
17	Making Nonwoven Fibrous Poly(Îµâ€caprolactone) Constructs for Antimicrobial and Tissue Engineering Applications by Pressurized Melt Gyration. Macromolecular Materials and Engineering, 2016, 301, 922-934.	3.6	42
18	In vitro drug release from acetylated high amylose starch-zein films for oral colon-specific drug delivery. International Journal of Pharmaceutics, 2019, 556, 311-319.	5.2	41

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19	Making nanofibres of mucoadhesive polymer blends for vaginal therapies. European Polymer Journal, 2015, 70, 186-196.	5.4	38
20	The development of progesterone-loaded nanofibers using pressurized gyration: A novel approach to vaginal delivery for the prevention of pre-term birth. International Journal of Pharmaceutics, 2018, 540, 31-39.	5.2	38
21	Dual drug-loaded coaxial nanofibers for the treatment of corneal abrasion. International Journal of Pharmaceutics, 2020, 581, 119296.	5.2	37
22	An investigation into the influence of drugâ€“polymer interactions on the miscibility, processability and structure of polyvinylpyrrolidone-based hot melt extrusion formulations. International Journal of Pharmaceutics, 2015, 496, 95-106.	5.2	36
23	An Investigation into the Crystallization of Î±,Î±-Trehalose from the Amorphous State. Journal of Physical Chemistry B, 2003, 107, 6614-6620.	2.6	35
24	Development and Characterization of Amorphous Nanofiber Drug Dispersions Prepared Using Pressurized Gyration. Molecular Pharmaceutics, 2015, 12, 3851-3861.	4.6	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. International Journal of Pharmaceutics, 2016, 514, 270-281.	5.2	35
26	An investigation into the effect of preparation conditions on the structure and mechanical properties of pharmaceutical glyceride bases. International Journal of Pharmaceutics, 1994, 110, 75-91.	5.2	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. Journal of Pharmaceutical Sciences, 2002, 91, 1201-1213.	3.3	32
29	Olanzapine Form IV: Discovery of a New Polymorphic Form Enabled by Computed Crystal Energy Landscapes. Crystal Growth and Design, 2019, 19, 2751-2757.	3.0	31
30	Evaluation of the taste-masking effects of (2-hydroxypropyl)-Î²-cyclodextrin on ranitidine hydrochloride; a combined biosensor, spectroscopic and molecular modelling assessment. RSC Advances, 2018, 8, 3564-3573.	3.6	30
31	Solid state characterisation and taste masking efficiency evaluation of polymer based extrudates of isoniazid for paediatric administration. International Journal of Pharmaceutics, 2018, 536, 536-546.	5.2	30
32	An investigation into the thermal behaviour of an amorphous drug using low frequency dielectric spectroscopy and modulated temperature differential scanning calorimetry. Journal of Pharmacy and Pharmacology, 2010, 53, 41-48.	2.4	28
33	The application of ATR-FTIR spectroscopy and multivariate data analysis to study drug crystallisation in the stratum corneum. European Journal of Pharmaceutics and Biopharmaceutics, 2017, 111, 16-25.	4.3	28
34	An Investigation into the Mechanisms of Drug Release From Taste-Masking Fatty Acid Microspheres. Journal of Pharmaceutical Sciences, 2008, 97, 3842-3854.	3.3	25
35	The measurement of small quantities of amorphous material--should we be considering the rigid amorphous fraction?. Pharmaceutical Research, 2001, 18, 1081-1082.	3.5	23
36	The effect of processing on the surface physical stability of amorphous solid dispersions. European Journal of Pharmaceutics and Biopharmaceutics, 2014, 88, 897-908.	4.3	22

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37	Electrospinning Optimization of Eudragit E PO with and without Chlorpheniramine Maleate Using a Design of Experiment Approach. Molecular Pharmaceutics, 2019, 16, 2557-2568.	4.6	22
38	Design and Characterization of Cyclosporine A-Loaded Nanofibers for Enhanced Drug Dissolution. ACS Omega, 2020, 5, 1003-1013.	3.5	22
39	Microfluidic synthesis of protein-loaded nanogels in a coaxial flow reactor using a design of experiments approach. Nanoscale Advances, 2021, 3, 2039-2055.	4.6	22
40	Two- and Three-Dimensional Imaging of Multicomponent Systems Using Scanning Thermal Microscopy and Localized Thermomechanical Analysis. Analytical Chemistry, 2007, 79, 129-139.	6.5	20
41	Mapping amorphous material on a partially crystalline surface: Nanothermal analysis for simultaneous characterisation and imaging of lactose compacts. Journal of Pharmaceutical Sciences, 2009, 98, 1499-1510.	3.3	19
42	Monitoring Drug Crystallization in Percutaneous Penetration Using Localized Nanothermal Analysis and Photothermal Microspectroscopy. Molecular Pharmaceutics, 2019, 16, 359-370.	4.6	19
43	A Potential Alternative Orodispersible Formulation to Prednisolone Sodium Phosphate Orally Disintegrating Tablets. Pharmaceutics, 2021, 13, 120.	4.5	19
44	Spatial Characterization of Hot Melt Extruded Dispersion Systems Using Thermal Atomic Force Microscopy Methods: The Effects of Processing Parameters on Phase Separation. Pharmaceutical Research, 2014, 31, 1744-1752.	3.5	18
45	An Inexpensive, Portable Device for Pointâ€ofâ€Need Generation of Silverâ€Nanoparticle Doped Cellulose Acetate Nanofibers for Advanced Wound Dressing. Macromolecular Materials and Engineering, 2018, 303, 1700586.	3.6	18
46	In vitro and in vivo biological assessment of dual drug-loaded coaxial nanofibers for the treatment of corneal abrasion. International Journal of Pharmaceutics, 2021, 604, 120732.	5.2	18
47	Thermal Probe Based Analytical Microscopy: Thermal Analysis and Photothermal Fourier-Transform Infrared Microspectroscopy Together with Thermally Assisted Nanosampling Coupled with Capillary Electrophoresis. Analytical Chemistry, 2009, 81, 6612-6619.	6.5	17
48	An investigation into the temperature dependence of the rheological synergy between xanthan gum and locust bean gum mixtures. Journal of Biomaterials Science, Polymer Edition, 1997, 8, 377-389.	3.5	15
49	The generation of compartmentalized nanoparticles containing siRNA and cisplatin using a multi-needle electrohydrodynamic strategy. Nanoscale, 2017, 9, 5975-5985.	5.6	15
50	Microfibrous Solid Dispersions of Poorly Water-Soluble Drugs Produced via Centrifugal Spinning: Unexpected Dissolution Behavior on Recrystallization. Molecular Pharmaceutics, 2017, 14, 1666-1680.	4.6	15
51	Multi-Methodological Quantitative Taste Assessment of Anti-Tuberculosis Drugs to Support the Development of Palatable Paediatric Dosage Forms. Pharmaceutics, 2020, 12, 369.	4.5	15
52	Low-Frequency Dielectric Investigations into the Phase Behavior of Glyceryl Monoolein/Water Systems. Journal of Physical Chemistry B, 1998, 102, 1781-1786.	2.6	14
53	The Journal of Pharmacy and Pharmacology in the New Millennium. Journal of Pharmacy and Pharmacology, 2010, 52, 1-1.	2.4	14
54	Generation and Characterization of Standardized Forms of Trehalose Dihydrate and Their Associated Solid-State Behavior. Crystal Growth and Design, 2014, 14, 4955-4967.	3.0	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. Journal of Pharmaceutical Sciences, 2008, 97, 2768-2779.	3.3	12
56	The Development of Thermally Assisted Particle Manipulation and Thermal Nanointeraction Studies as a Means of Investigating Drugâ€polymer Interactions. Journal of Pharmaceutical Sciences, 2008, 97, 1551-1563.	3.3	11
57	Pharmaceutical Materials Science â€" Resuscitation or Reincarnation?*. Journal of Pharmacy and Pharmacology, 2011, 49, 119-126.	2.4	11
58	The application of novel nano-thermal and imaging techniques for monitoring drug microstructure and distribution within PLGA microspheres. International Journal of Pharmaceutics, 2017, 522, 34-49.	5.2	11
59	Alginate foam-based three-dimensional culture to investigate drug sensitivity in primary leukaemia cells. Journal of the Royal Society Interface, 2018, 15, 20170928.	3.4	11
60	Profiling of drug crystallization in the skin. Expert Opinion on Drug Delivery, 2020, 17, 1321-1334.	5.0	11
61	Controlled local release of PPARÎ³ agonists from biomaterials to treat peripheral nerve injury. Journal of Neural Engineering, 2020, 17, 046030.	3.5	11
62	Utilising Co-Axial Electrospinning as a Taste-Masking Technology for Paediatric Drug Delivery. Pharmaceutics, 2021, 13, 1665.	4.5	11
63	Nano-thermal imaging of the stratum corneum and its potential use for understanding of the mechanism of skin penetration enhancer. Thermochimica Acta, 2017, 655, 278-283.	2.7	10
64	Compositional Analysis of Metal Chelating Materials Using Near-Field Photothermal Fourier Transform Infrared Microspectroscopy. Analytical Chemistry, 2010, 82, 91-97.	6.5	9
65	An Investigation Into the Low Temperature Thermal Behaviour of Vitamin E Preparation USP Using Differential Scanning Calorimetry and Low Frequency Dielectric Analysis. Journal of Pharmacy and Pharmacology, 2010, 52, 941-947.	2.4	8
66	The Development of Quasi-isothermal Calorimetry for the Measurement of Drugâ€“Polymer Miscibility and Crystallization Kinetics: Olanzapine-Loaded PLGA Microparticles. Molecular Pharmaceutics, 2018, 15, 3332-3342.	4.6	8
67	Human mouthfeel panel investigating the acceptability of electrospun and solvent cast orodispersible films. International Journal of Pharmaceutics, 2020, 585, 119532.	5.2	8
68	Structural studies of microcosm dental plaques grown under different nutritional conditions. FEMS Microbiology Letters, 2000, 189, 215-218.	1.8	8
69	Characterization of the variation between batches of Fast-Flo lactose using low frequency dielectric spectroscopy. Journal of Pharmacy and Pharmacology, 2011, 43, 444-445.	2.4	7
70	The Development of Thermal Nanoprobe Methods as a Means of Characterizing and Mapping Plasticizer Incorporation into Ethylcellulose Films. Pharmaceutical Research, 2012, 29, 2128-2138.	3.5	7
71	The Use of Quasi-Isothermal Modulated Temperature Differential Scanning Calorimetry for the Characterization of Slow Crystallization Processes in Lipid-Based Solid Self-Emulsifying Systems. Pharmaceutical Research, 2015, 32, 1316-1324.	3.5	7
72	Design of Experiment Approach to Modeling the Effects of Formulation and Drug Loading on the Structure and Properties of Therapeutic Nanogels. Molecular Pharmaceutics, 2022, 19, 602-615.	4.6	7

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73	A Simultaneous Differential Scanning Calorimetryâ€“X-ray Diffraction Study of Olanzapine Crystallization from Amorphous Solid Dispersions. Molecular Pharmaceutics, 2020, 17, 4364-4374.	4.6	6
74	Involving medical students in service improvement: evaluation of a student-led, extracurricular, multidisciplinary quality improvement initiative . Advances in Medical Education and Practice, 2019, Volume 10, 781-793.	1.5	5
75	A Portable Device for the Generation of Drug-Loaded Three-Compartmental Fibers Containing Metronidazole and Iodine for Topical Application. Pharmaceutics, 2020, 12, 373.	4.5	5
76	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.	1.7	5
77	Analysis of single particle photodegradation using photothermal infrared microspectroscopy. Analyst, The, 2013, 138, 2315.	3.5	4
78	Development and Evaluation of Feline Tailored Amlodipine Besylate Mini-Tablets Using L-lysine as a Candidate Flavouring Agent. Pharmaceutics, 2020, 12, 917.	4.5	4
79	Characterization of Polymorphic Systems Using Thermal Analysis. , 2006, , 43-79.		2
80	An analytical quality by design approach towards a simple and novel HPLC-UV method for quantification of the antifibrotic peptide N-acetyl-seryl-aspartyl-lysyl-proline. Analytical Biochemistry, 2022, 654, 114793.	2.4	2
81	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.	2.4	0