

Sheng Qi

List of Publications by Year in descending order

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72
papers

2,416
citations

201674

27
h-index

214800

47
g-index

77
all docs

77
docs citations

77
times ranked

2684
citing authors

#	ARTICLE	IF	CITATIONS
1	An investigation into the use of polymer blends to improve the printability of and regulate drug release from pharmaceutical solid dispersions prepared via fused deposition modeling (FDM) 3D printing. <i>European Journal of Pharmaceutics and Biopharmaceutics</i> , 2016, 108, 111-125.	4.3	208
2	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.	5.2	131
3	Development of a Simple Mechanical Screening Method for Predicting the Feedability of a Pharmaceutical FDM 3D Printing Filament. <i>Pharmaceutical Research</i> , 2018, 35, 151.	3.5	111
4	Physicochemical Properties of the Amorphous Drug, Cast Films, and Spray Dried Powders to Predict Formulation Probability of Success for Solid Dispersions: Etravirine. <i>Journal of Pharmaceutical Sciences</i> , 2011, 100, 260-274.	3.3	106
5	Sulforaphane Mediates Glutathione Depletion via Polymeric Nanoparticles to Restore Cisplatin Chemosensitivity. <i>ACS Nano</i> , 2019, 13, 13445-13455.	14.6	106
6	Electrospun Polymer Blend Nanofibers for Tunable Drug Delivery: The Role of Transformative Phase Separation on Controlling the Release Rate. <i>Molecular Pharmaceutics</i> , 2016, 13, 25-39.	4.6	84
7	Insights into the Role of Polymer-Surfactant Complexes in Drug Solubilisation/Stabilisation During Drug Release from Solid Dispersions. <i>Pharmaceutical Research</i> , 2013, 30, 290-302.	3.5	83
8	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.	3.5	74
9	Microfluidics for pharmaceutical nanoparticle fabrication: The truth and the myth. <i>International Journal of Pharmaceutics</i> , 2020, 584, 119408.	5.2	72
10	An investigation into the effects of thermal history on the crystallisation behaviour of amorphous paracetamol. <i>European Journal of Pharmaceutics and Biopharmaceutics</i> , 2008, 69, 364-371.	4.3	66
11	Impact of Processing Parameters on the Quality of Pharmaceutical Solid Dosage Forms Produced by Fused Deposition Modeling (FDM). <i>Pharmaceutics</i> , 2019, 11, 633.	4.5	63
12	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.	13.7	60
13	Controlled Release from Zein Matrices: Interplay of Drug Hydrophobicity and pH. <i>Pharmaceutical Research</i> , 2016, 33, 673-685.	3.5	58
14	Early Stage Phase Separation in Pharmaceutical Solid Dispersion Thin Films under High Humidity: Improved Spatial Understanding Using Probe-Based Thermal and Spectroscopic Nanocharacterization Methods. <i>Molecular Pharmaceutics</i> , 2013, 10, 918-930.	4.6	56
15	An investigation into the crystallisation behaviour of an amorphous cryomilled pharmaceutical material above and below the glass transition temperature. <i>Journal of Pharmaceutical Sciences</i> , 2010, 99, 196-208.	3.3	54
16	Solid lipid microparticles produced by spray congealing: Influence of the atomizer on microparticle characteristics and mathematical modeling of the drug release. <i>Journal of Pharmaceutical Sciences</i> , 2010, 99, 916-931.	3.3	54
17	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.	3.5	51
18	Stabilisation of amorphous drugs under high humidity using pharmaceutical thin films. <i>European Journal of Pharmaceutics and Biopharmaceutics</i> , 2013, 84, 555-565.	4.3	44

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19	Microstructure of an Immiscible Polymer Blend and Its Stabilization Effect on Amorphous Solid Dispersions. <i>Molecular Pharmaceutics</i> , 2013, 10, 2767-2780.	4.6	44
20	An investigation into the mechanism of dissolution rate enhancement of poorly water-soluble drugs from spray chilled gelucire 50/13 microspheres. <i>Journal of Pharmaceutical Sciences</i> , 2010, 99, 262-274.	3.3	43
21	Reversing tumor stemness via orally targeted nanoparticles achieves efficient colon cancer treatment. <i>Biomaterials</i> , 2019, 216, 119247.	11.4	43
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.	5.2	36
23	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.	5.2	35
24	Suppression of Tumor Energy Supply by Liposomal Nanoparticle-Mediated Inhibition of Aerobic Glycolysis. <i>ACS Applied Materials & Interfaces</i> , 2018, 10, 2347-2353.	8.0	35
25	The development of microthermal analysis and photothermal microspectroscopy as novel approaches to drug-excipient compatibility studies. <i>International Journal of Pharmaceutics</i> , 2008, 354, 149-157.	5.2	32
26	A New Low Melting-Point Polymorph of Fenofibrate Prepared via Talc Induced Heterogeneous Nucleation. <i>Crystal Growth and Design</i> , 2015, 15, 5011-5020.	3.0	30
27	Creating Drug Solubilization Compartments via Phase Separation in Multicomponent Buccal Patches Prepared by Direct Hot Melt Extrusion-Injection Molding. <i>Molecular Pharmaceutics</i> , 2015, 12, 4349-4362.	4.6	30
28	Physical stabilization of low-molecular-weight amorphous drugs in the solid state: a material science approach. <i>Therapeutic Delivery</i> , 2014, 5, 817-841.	2.2	29
29	Paracetamol-loaded poly(μ -caprolactone) layered silicate nanocomposites prepared using hot-melt extrusion. <i>Journal of Pharmaceutical Sciences</i> , 2009, 98, 4831-4843.	3.3	26
30	An Investigation into the Mechanisms of Drug Release From Taste-Masking Fatty Acid Microspheres. <i>Journal of Pharmaceutical Sciences</i> , 2008, 97, 3842-3854.	3.3	25
31	An Investigation into the Interaction between Taste Masking Fatty Acid Microspheres and Alkaline Buffer using Thermal and Spectroscopic Analysis. <i>Journal of Pharmaceutical Sciences</i> , 2006, 95, 1022-1028.	3.3	23
32	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.	4.3	22
33	Effects of porosity on drug release kinetics of swellable and erodible porous pharmaceutical solid dosage forms fabricated by hot melt droplet deposition 3D printing. <i>International Journal of Pharmaceutics</i> , 2021, 604, 120626.	5.2	21
34	Characterization of Heterogeneity and Spatial Distribution of Phases in Complex Solid Dispersions by Thermal Analysis by Structural Characterization and X-ray Micro Computed Tomography. <i>Pharmaceutical Research</i> , 2017, 34, 971-989.	3.5	20
35	Probing the molecular interactions between pharmaceutical polymeric carriers and bile salts in simulated gastrointestinal fluids using NMR spectroscopy. <i>Journal of Colloid and Interface Science</i> , 2019, 551, 147-154.	9.4	20
36	Molecular Implications of Drug-Polymer Solubility in Understanding the Destabilization of Solid Dispersions by Milling. <i>Molecular Pharmaceutics</i> , 2014, 11, 2453-2465.	4.6	19

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37	The Development of Direct Extrusion-Injection Moulded Zein Matrices as Novel Oral Controlled Drug Delivery Systems. <i>Pharmaceutical Research</i> , 2015, 32, 2775-86.	3.5	19
38	Preparation and Characterization of Ultrarapidly Dissolving Orodispersible Films for Treating and Preventing Iodine Deficiency in the Pediatric Population. <i>Journal of Agricultural and Food Chemistry</i> , 2015, 63, 9831-9838.	5.2	19
39	A SPION-eicosane protective coating for water soluble capsules: Evidence for on-demand drug release triggered by magnetic hyperthermia. <i>Scientific Reports</i> , 2016, 6, 20271.	3.3	19
40	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.	3.5	18
41	Thermal Analysis by Structural Characterization as a Method for Assessing Heterogeneity in Complex Solid Pharmaceutical Dosage Forms. <i>Analytical Chemistry</i> , 2015, 87, 10848-10855.	6.5	18
42	Characterization of Hydrophilic Polymers as a Syringe Extrusion 3D Printing Material for Orodispersible Film. <i>Polymers</i> , 2021, 13, 3454.	4.5	18
43	Suppression of the coffee-ring effect by tailoring the viscosity of pharmaceutical sessile drops. <i>Colloids and Surfaces A: Physicochemical and Engineering Aspects</i> , 2021, 614, 126144.	4.7	17
44	Evaluation of the Benefits of Microfluidic-Assisted Preparation of Polymeric Nanoparticles for DNA Delivery. <i>Materials Science and Engineering C</i> , 2021, 127, 112243.	7.3	17
45	An investigation into the effects of geometric scaling and pore structure on drug dose and release of 3D printed solid dosage forms. <i>European Journal of Pharmaceutics and Biopharmaceutics</i> , 2022, 177, 113-125.	4.3	17
46	“Tablet-in-Syringe”™: A Novel Dosing Mechanism for Dysphagic Patients Containing Fast-Disintegrating Tablets Fabricated Using Semisolid Extrusion 3D Printing. <i>Pharmaceutics</i> , 2022, 14, 443.	4.5	16
47	On-demand, magnetic hyperthermia-triggered drug delivery: optimisation for the GI tract. <i>Journal of Materials Chemistry B</i> , 2016, 4, 1704-1711.	5.8	15
48	Preparation and Characterization of an Electrospun PLA-Cyclodextrins Composite for Simultaneous High-Efficiency PM and VOC Removal. <i>Journal of Composites Science</i> , 2020, 4, 79.	3.0	15
49	Lipid based intramuscular long-acting injectables: Current state of the art. <i>European Journal of Pharmaceutical Sciences</i> , 2022, 178, 106253.	4.0	15
50	Improvement of the in vitro safety profile and cytoprotective efficacy of amifostine against chemotherapy by PEGylation strategy. <i>Biochemical Pharmacology</i> , 2016, 108, 11-21.	4.4	14
51	An investigation into the use of low quantities of functional additives to control drug release from hot melt extruded solid dispersions for poorly soluble drug delivery. <i>International Journal of Pharmaceutics</i> , 2020, 579, 119172.	5.2	14
52	An investigation into the formations of the internal microstructures of solid dispersions prepared by hot melt extrusion. <i>European Journal of Pharmaceutics and Biopharmaceutics</i> , 2020, 155, 147-161.	4.3	13
53	The Development of Modulated, Quasi-Isothermal and Ultraslow Thermal Methods as a Means of Characterizing the α to β Indomethacin Polymorphic Transformation. <i>Molecular Pharmaceutics</i> , 2012, 9, 1087-1099.	4.6	12
54	Novel Thermal Imaging Method for Rapid Screening of Drug-Polymer Miscibility for Solid Dispersion Based Formulation Development. <i>Molecular Pharmaceutics</i> , 2018, 15, 5625-5636.	4.6	12

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55	Molecular Indicators of Surface and Bulk Instability of Hot Melt Extruded Amorphous Solid Dispersions. <i>Pharmaceutical Research</i> , 2015, 32, 1210-1228.	3.5	10
56	Hot melt extruded zein for controlled delivery of diclofenac sodium: Effect of drug loading and medium composition. <i>International Journal of Pharmaceutics</i> , 2020, 585, 119503.	5.2	10
57	Drop-on-demand printing of personalised orodispersible films fabricated by precision micro-dispensing. <i>International Journal of Pharmaceutics</i> , 2021, 610, 121279.	5.2	10
58	Towards controlling the crystallisation behaviour of fenofibrate melt: triggers of crystallisation and polymorphic transformation. <i>RSC Advances</i> , 2018, 8, 13513-13525.	3.6	8
59	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.	3.5	7
60	The use of polymer blends to improve stability and performance of electrospun solid dispersions: The role of miscibility and phase separation. <i>International Journal of Pharmaceutics</i> , 2021, 602, 120637.	5.2	7
61	Direct Granule Feeding of Thermal Droplet Deposition 3D Printing of Porous Pharmaceutical Solid Dosage Forms Free of Plasticisers. <i>Pharmaceutical Research</i> , 2022, 39, 599-610.	3.5	7
62	The Effects of Solid Particle Containing Inks on the Printing Quality of Porous Pharmaceutical Structures Fabricated by 3D Semi-Solid Extrusion Printing. <i>Pharmaceutical Research</i> , 2022, 39, 1267-1279.	3.5	7
63	A Laser Imaging and Neutron Reflection Investigation Into the Monolayer Behaviour of Fatty Acids Used for Taste Masking Microspheres. <i>Journal of Pharmaceutical Sciences</i> , 2008, 97, 1864-1877.	3.3	6
64	A multi-technique characterization of the stability of surfactant containing solid dispersion based buccal patches prepared by hot melt injection moulding. <i>International Journal of Pharmaceutics</i> , 2017, 528, 547-562.	5.2	6
65	New insights into the effects of porosity, pore length, pore shape and pore alignment on drug release from extrusionbased additive manufactured pharmaceuticals. <i>Additive Manufacturing</i> , 2021, 46, 102196.	3.0	6
66	Disc-shaped polyoxyethylene glycol glycerides gel nanoparticles as novel protein delivery vehicles. <i>International Journal of Pharmaceutics</i> , 2015, 496, 1015-1025.	5.2	5
67	Nanostructural Analysis of Water Distribution in Hydrated Multicomponent Gels Using Thermal Analysis and NMR Relaxometry. <i>Molecular Pharmaceutics</i> , 2015, 12, 2068-2079.	4.6	4
68	Thermal Analysis of Pharmaceuticals. <i>Advances in Delivery Science and Technology</i> , 2016, , 363-387.	0.4	3
69	Automation Potential of a New, Rapid, Microscopy-Based Method for Screening Drug's Polymer Solubility. <i>ACS Omega</i> , 2020, 5, 11402-11410.	3.5	3
70	Emerging molecular mechanisms and genetic targets for developing novel therapeutic strategies for treating bladder diseases. <i>European Journal of Pharmaceutical Sciences</i> , 2022, 173, 106167.	4.0	3
71	Moisture Uptake of Polyoxyethylene Glycol Glycerides Used as Matrices for Drug Delivery: Kinetic Modelling and Practical Implications. <i>Pharmaceutical Research</i> , 2013, 30, 1123-1136.	3.5	2
72	Precision coating of ocular devices/contact lenses by nanoelectrospray additive printing. <i>Materials and Design</i> , 2022, 219, 110782.	7.0	1