

Mingzhong Li

List of Publications by Year in Descending Order

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The third column is the impact factor (IF) of the journal, and the fourth column is the number of citations of the article.

44
papers

1,187
citations

18
h-index

34
g-index

48
ext. papers

1,313
ext. citations

4.3
avg, IF

4.39
L-index

#	Paper	IF	Citations
44	Artemisinin- β -cetylenedicarboxylic acid cocrystal: screening, structure determination, and physicochemical property characterisation. <i>CrystEngComm</i> , 2022 , 24, 1056-1067	3.3	0
43	Artemisinin Cocrystals for Bioavailability Enhancement. Part 2: Bioavailability and Physiologically Based Pharmacokinetic Modeling. <i>Molecular Pharmaceutics</i> , 2021 , 18, 4272-4289	5.6	1
42	Artemisinin Cocrystals for Bioavailability Enhancement. Part 1: Formulation Design and Role of the Polymeric Excipient. <i>Molecular Pharmaceutics</i> , 2021 , 18, 4256-4271	5.6	3
41	Understanding the Effects of a Polymer on the Surface Dissolution of Pharmaceutical Cocrystals Using Combined Experimental and Molecular Dynamics Simulation Approaches. <i>Molecular Pharmaceutics</i> , 2020 , 17, 517-529	5.6	7
40	Cocrystallisation of Daidzein with pyridine-derived molecules: Screening, structure determination and characterisation. <i>Journal of Molecular Structure</i> , 2020 , 1222, 128893	3.4	3
39	Investigating Permeation Behavior of Flufenamic Acid Cocrystals Using a Dissolution and Permeation System. <i>Molecular Pharmaceutics</i> , 2018 , 15, 4257-4272	5.6	10
38	Insight into Flufenamic Acid Cocrystal Dissolution in the Presence of a Polymer in Solution: from Single Crystal to Powder Dissolution. <i>Molecular Pharmaceutics</i> , 2017 , 14, 4583-4596	5.6	24
37	Three-dimensional computational fluid dynamics (CFD) study of the gas-particle circulation pattern within a fluidized bed granulator: By full factorial design of fluidization velocity and particle size. <i>Drying Technology</i> , 2017 , 35, 1043-1058	2.6	12
36	Investigating the Effects of Loading Factors on the In Vitro Pharmaceutical Performance of Mesoporous Materials as Drug Carriers for Ibuprofen. <i>Materials</i> , 2017 , 10,	3.5	15
35	Simultaneous Rapid Determination of the Solubility and Diffusion Coefficients of a Poorly Water-Soluble Drug Based on a Novel UV Imaging System. <i>Journal of Pharmaceutical Sciences</i> , 2016 , 105, 131-8	3.9	11
34	Role of polymers in solution and tablet-based carbamazepine cocrystal formulations. <i>CrystEngComm</i> , 2016 , 18, 2664-2678	3.3	19
33	Investigating the Influence of Polymers on Supersaturated Flufenamic Acid Cocrystal Solutions. <i>Molecular Pharmaceutics</i> , 2016 , 13, 3292-307	5.6	27
32	Iterative identification of output error model for industrial processes with time delay subject to colored noise. <i>Chinese Journal of Chemical Engineering</i> , 2015 , 23, 2005-2012	3.2	1
31	Effects of coformers on phase transformation and release profiles of carbamazepine cocrystals in hydroxypropyl methylcellulose based matrix tablets. <i>International Journal of Pharmaceutics</i> , 2015 , 479, 118-28	6.5	25
30	Investigation of the effect of hydroxypropyl methylcellulose on the phase transformation and release profiles of carbamazepine-nicotinamide cocrystal. <i>Pharmaceutical Research</i> , 2014 , 31, 2312-25	4.5	25
29	Two-compartmental population balance modeling of a pulsed spray fluidized bed granulation based on computational fluid dynamics (CFD) analysis. <i>International Journal of Pharmaceutics</i> , 2014 , 475, 256-69	6.5	32
28	Population balance modelling and multi-stage optimal control of a pulsed spray fluidized bed granulation. <i>International Journal of Pharmaceutics</i> , 2014 , 468, 223-33	6.5	21

27	In Vitro Dissolution Studies of Immediate-Release and Extended-Release Formulations Using Flow-Through Cell Apparatus 4. <i>Dissolution Technologies</i> , 2014 , 21,	1.7	3
26	In situ monitoring of carbamazepine-nicotinamide cocrystal intrinsic dissolution behaviour. <i>European Journal of Pharmaceutics and Biopharmaceutics</i> , 2013 , 83, 415-26	5.7	72
25	Influence of sodium lauryl sulfate and tween 80 on carbamazepine-nicotinamide cocrystal solubility and dissolution behaviour. <i>Pharmaceutics</i> , 2013 , 5, 508-24	6.4	38
24	Using the Box-Behnken experimental design to optimise operating parameters in pulsed spray fluidised bed granulation. <i>International Journal of Pharmaceutics</i> , 2013 , 448, 329-38	6.5	31
23	Comparison of In Vitro Dissolution Tests for Commercially Available Aspirin Tablets. <i>Dissolution Technologies</i> , 2013 , 20, 48-58	1.7	3
22	Pharmaceutical cocrystals: an overview. <i>International Journal of Pharmaceutics</i> , 2011 , 419, 1-11	6.5	409
21	Model-Based Nonlinear Control of Batch Fluidized Bed Dryers. <i>Particle and Particle Systems Characterization</i> , 2008 , 25, 345-359	3.1	4
20	Dynamic Model Analysis of Batch Fluidized Bed Dryers. <i>Particle and Particle Systems Characterization</i> , 2008 , 25, 328-344	3.1	15
19	Measuring Size Distribution of Organic Crystals of Different Shapes Using Different Technologies. <i>Particle and Particle Systems Characterization</i> , 2006 , 23, 138-144	3.1	4
18	Obtaining Particle Size Distribution from Chord Length Measurements. <i>Particle and Particle Systems Characterization</i> , 2006 , 23, 170-174	3.1	16
17	Scale up study of retreat curve impeller stirred tanks using LDA measurements and CFD simulation. <i>Chemical Engineering Journal</i> , 2005 , 108, 81-90	14.7	41
16	Determination of non-spherical particle size distribution from chord length measurements. Part 1: Theoretical analysis. <i>Chemical Engineering Science</i> , 2005 , 60, 3251-3265	4.4	110
15	Determination of non-spherical particle size distribution from chord length measurements. Part 2: Experimental validation. <i>Chemical Engineering Science</i> , 2005 , 60, 4992-5003	4.4	48
14	LDA Measurements and CFD Modeling of a Stirred Vessel with a Retreat Curve Impeller. <i>Industrial & Engineering Chemistry Research</i> , 2004 , 43, 6534-6547	3.9	28
13	On-Line Crystallization Process Parameter Measurements Using Ultrasonic Attenuation Spectroscopy. <i>Crystal Growth and Design</i> , 2004 , 4, 955-963	3.5	19
12	Neural network particle sizing in slurries by reflectance spectroscopy. <i>AIChE Journal</i> , 2002 , 48, 2492-2498	3.6	7
11	Fuzzy multi-model based adaptive predictive control and its application to thermoplastic injection molding. <i>Canadian Journal of Chemical Engineering</i> , 2001 , 79, 263-272	2.3	15
10	Particle size distribution determination from spectral extinction using evolutionary programming. <i>Chemical Engineering Science</i> , 2001 , 56, 3045-3052	4.4	15

9	PID-Based Sliding Mode Controller for Nonlinear Processes. <i>Industrial & Engineering Chemistry Research</i> , 2001 , 40, 2660-2667	3.9	16
8	Identification and Control of Nonlinear Processes in the Presence of Unmeasured Load Disturbances. <i>Industrial & Engineering Chemistry Research</i> , 2001 , 40, 2275-2282	3.9	1
7	Particle Size Distribution Determination from Spectral Extinction Using Neural Networks. <i>Industrial & Engineering Chemistry Research</i> , 2001 , 40, 4615-4622	3.9	8
6	Neural network-based optimal iterative controller for nonlinear processes. <i>Canadian Journal of Chemical Engineering</i> , 2000 , 78, 363-370	2.3	2
5	Predictive control for processes with input dynamic nonlinearity. <i>Chemical Engineering Science</i> , 2000 , 55, 4045-4052	4.4	3
4	A simple nonlinear controller with diagonal recurrent neural network. <i>Chemical Engineering Science</i> , 2000 , 55, 1283-1288	4.4	19
3	A Neural-Network-Based Nonlinear Controller Using an Extended Kalman Filter. <i>Industrial & Engineering Chemistry Research</i> , 1999 , 38, 2345-2349	3.9	6
2	Genetic Algorithms and Evolutionary Programming Hybrid Strategy for Structure and Weight Learning for Multilayer Feedforward Neural Networks. <i>Industrial & Engineering Chemistry Research</i> , 1999 , 38, 4330-4336	3.9	18
1	A Knowledge-Based Controller Used in Process Control Systems. <i>International Journal of Uncertainty, Fuzziness and Knowledge-Based Systems</i> , 1997 , 05, 47-57	0.8	