Mingzhong Li

List of Publications by Year
in descending order

47 papers	1,460 citations	394286	315616
		19 h-index	38 g-index

48 all docs	48 docs citations	48 times ranked	1525 citing authors

#	Article	IF	Citations
1	Pharmaceutical cocrystals: An overview. International Journal of Pharmaceutics, 2011, 419, 1-11.	2.6	511
2	Determination of non-spherical particle size distribution from chord length measurements. Part 1: Theoretical analysis. Chemical Engineering Science, 2005, 60, 3251-3265.	1.9	119
3	In situ monitoring of carbamazepine–nicotinamide cocrystal intrinsic dissolution behaviour. European Journal of Pharmaceutics and Biopharmaceutics, 2013, 83, 415-426.	2.0	77
4	Scale up study of retreat curve impeller stirred tanks using LDA measurements and CFD simulation. Chemical Engineering Journal, 2005, 108, 81-90.	6.6	52
5	Determination of non-spherical particle size distribution from chord length measurements. Part 2: Experimental validation. Chemical Engineering Science, 2005, 60, 4992-5003.	1.9	51
6	Influence of Sodium Lauryl Sulfate and Tween 80 on Carbamazepine–Nicotinamide Cocrystal Solubility and Dissolution Behaviour. Pharmaceutics, 2013, 5, 508-524.	2.0	44
7	Investigating the Influence of Polymers on Supersaturated Flufenamic Acid Cocrystal Solutions. Molecular Pharmaceutics, 2016, 13, 3292-3307.	2.3	40
8	Two-compartmental population balance modeling of a pulsed spray fluidized bed granulation based on computational fluid dynamics (CFD) analysis. International Journal of Pharmaceutics, 2014, 475, 256-269.	2.6	39
9	Insight into Flufenamic Acid Cocrystal Dissolution in the Presence of a Polymer in Solution: from Single Crystal to Powder Dissolution. Molecular Pharmaceutics, 2017, 14, 4583-4596.	2.3	38
10	Using the Box–Behnken experimental design to optimise operating parameters in pulsed spray fluidised bed granulation. International Journal of Pharmaceutics, 2013, 448, 329-338.	2.6	35
11	LDA Measurements and CFD Modeling of a Stirred Vessel with a Retreat Curve Impeller. Industrial & Engineering Chemistry Research, 2004, 43, 6534-6547.	1.8	32
12	Investigation of the Effect of Hydroxypropyl Methylcellulose on the Phase Transformation and Release Profiles of Carbamazepine-Nicotinamide Cocrystal. Pharmaceutical Research, 2014, 31, 2312-2325.	1.7	32
13	Effects of coformers on phase transformation and release profiles of carbamazepine cocrystals in hydroxypropyl methylcellulose based matrix tablets. International Journal of Pharmaceutics, 2015, 479, 118-128.	2.6	30
14	PID-Based Sliding Mode Controller for Nonlinear Processes. Industrial & Engineering Chemistry Research, 2001, 40, 2660-2667.	1.8	27
15	Population balance modelling and multi-stage optimal control of a pulsed spray fluidized bed granulation. International Journal of Pharmaceutics, 2014, 468, 223-233.	2.6	27
16	A simple nonlinear controller with diagonal recurrent neural network. Chemical Engineering Science, 2000, 55, 1283-1288.	1.9	25
17	On-Line Crystallization Process Parameter Measurements Using Ultrasonic Attenuation Spectroscopy. Crystal Growth and Design, 2004, 4, 955-963.	1.4	23
18	Role of polymers in solution and tablet-based carbamazepine cocrystal formulations. CrystEngComm, 2016, 18, 2664-2678.	1.3	22

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19	Investigating the Effects of Loading Factors on the In Vitro Pharmaceutical Performance of Mesoporous Materials as Drug Carriers for Ibuprofen. Materials, 2017, 10, 150.	1.3	22
20	Genetic Algorithms and Evolutionary Programming Hybrid Strategy for Structure and Weight Learning for Multilayer Feedforward Neural Networks. Industrial & Engineering Chemistry Research, 1999, 38, 4330-4336.	1.8	20
21	Dynamic Model Analysis of Batch Fluidized Bed Dryers. Particle and Particle Systems Characterization, 2008, 25, 328-344.	1.2	19
22	Obtaining Particle Size Distribution from Chord Length Measurements. Particle and Particle Systems Characterization, 2006, 23, 170-174.	1.2	18
23	Fuzzy multiâ€model based adaptive predictive control and its application to thermoplastic injection molding. Canadian Journal of Chemical Engineering, 2001, 79, 263-272.	0.9	17
24	Three-dimensional computational fluid dynamics (CFD) study of the gasâ€"particle circulation pattern within a fluidized bed granulator: By full factorial design of fluidization velocity and particle size. Drying Technology, 2017, 35, 1043-1058.	1.7	17
25	Particle size distribution determination from spectral extinction using evolutionary programming. Chemical Engineering Science, 2001, 56, 3045-3052.	1.9	15
26	Investigating Permeation Behavior of Flufenamic Acid Cocrystals Using a Dissolution and Permeation System. Molecular Pharmaceutics, 2018, 15, 4257-4272.	2.3	13
27	Understanding the Effects of a Polymer on the Surface Dissolution of Pharmaceutical Cocrystals Using Combined Experimental and Molecular Dynamics Simulation Approaches. Molecular Pharmaceutics, 2020, 17, 517-529.	2.3	13
28	Simultaneous Rapid Determination of the Solubility and Diffusion Coefficients of a Poorly Water-Soluble Drug Based on a Novel UV Imaging System. Journal of Pharmaceutical Sciences, 2016, 105, 131-138.	1.6	12
29	Particle Size Distribution Determination from Spectral Extinction Using Neural Networks. Industrial & Engineering Chemistry Research, 2001, 40, 4615-4622.	1.8	8
30	Neural network particle sizing in slurries by reflectance spectroscopy. AICHE Journal, 2002, 48, 2492-2498.	1.8	8
31	A Neural-Network-Based Nonlinear Controller Using an Extended Kalman Filter. Industrial & Engineering Chemistry Research, 1999, 38, 2345-2349.	1.8	6
32	Cocrystallisation of Daidzein with pyridine-derived molecules: Screening, structure determination and characterisation. Journal of Molecular Structure, 2020, 1222, 128893.	1.8	6
33	Comparison of In Vitro Dissolution Tests for Commercially Available Aspirin Tablets. Dissolution Technologies, 2013, 20, 48-58.	0.2	5
34	In Vitro Dissolution Studies of Immediate-Release and Extended-Release Formulations Using Flow-Through Cell Apparatus 4. Dissolution Technologies, 2014, 21, .	0.2	5
35	Artemisinin Cocrystals for Bioavailability Enhancement. Part 1: Formulation Design and Role of the Polymeric Excipient. Molecular Pharmaceutics, 2021, 18, 4256-4271.	2.3	5
36	Artemisinin Cocrystals for Bioavailability Enhancement. Part 2: <i>In Vivo</i> Bioavailability and Physiologically Based Pharmacokinetic Modeling. Molecular Pharmaceutics, 2021, 18, 4272-4289.	2.3	5

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37	Predictive control for processes with input dynamic nonlinearity. Chemical Engineering Science, 2000, 55, 4045-4052.	1.9	4
38	Measuring Size Distribution of Organic Crystals of Different Shapes Using Different Technologies. Particle and Particle Systems Characterization, 2006, 23, 138-144.	1.2	4
39	Model–Based Nonlinear Control of Batch Fluidized Bed Dryers. Particle and Particle Systems Characterization, 2008, 25, 345-359.	1.2	4
40	Artemisinin–acetylenedicarboxylic acid cocrystal: screening, structure determination, and physicochemical property characterisation. CrystEngComm, 2022, 24, 1056-1067.	1.3	4
41	Neural network–based optimal iterative controller for nonlinear processes. Canadian Journal of Chemical Engineering, 2000, 78, 363-370.	0.9	2
42	Identification and Control of Nonlinear Processes in the Presence of Unmeasured Load Disturbances. Industrial & Engineering Chemistry Research, 2001, 40, 2275-2282.	1.8	2
43	Iterative identification of output error model for industrial processes with time delay subject to colored noise. Chinese Journal of Chemical Engineering, 2015, 23, 2005-2012.	1.7	2
44	Adaptive d-step ahead predictive control for nonlinear systems using neural networks. , 0, , .		0
45	A Knowledge-Based Controller Used in Process Control Systems. International Journal of Uncertainty, Fuzziness and Knowlege-Based Systems, 1997, 05, 47-57.	0.9	0
46	Modeling and control of processes with output dynamic nonlinearity. , 2000, , .		0
47	A novel method for determination of particle size distribution in-process. Proceedings of SPIE, 2009, , .	0.8	0