Mingzhong Li

List of Publications by Citations

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	Pharmaceutical cocrystals: an overview. *International Journal of Pharmaceutics*, **2011**, 419, 1-11	6.5	409
43	Determination of non-spherical particle size distribution from chord length measurements. Part 1: Theoretical analysis. *Chemical Engineering Science*, **2005**, 60, 3251-3265	4.4	110
42	In situ monitoring of carbamazepine-nicotinamide cocrystal intrinsic dissolution behaviour. *European Journal of Pharmaceutics and Biopharmaceutics*, **2013**, 83, 415-26	5.7	72
41	Determination of non-spherical particle size distribution from chord length measurements. Part 2: Experimental validation. *Chemical Engineering Science*, **2005**, 60, 4992-5003	4.4	48
40	Scale up study of retreat curve impeller stirred tanks using LDA measurements and CFD simulation. *Chemical Engineering Journal*, **2005**, 108, 81-90	14.7	41
39	Influence of sodium lauryl sulfate and tween 80 on carbamazepine-nicotinamide cocrystal solubility and dissolution behaviour. *Pharmaceutics*, **2013**, 5, 508-24	6.4	38
38	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, 256-69	6.5	32
37	Using the Box-Behnken experimental design to optimise operating parameters in pulsed spray fluidised bed granulation. *International Journal of Pharmaceutics*, **2013**, 448, 329-38	6.5	31
36	LDA Measurements and CFD Modeling of a Stirred Vessel with a Retreat Curve Impeller. *Industrial & Engineering Chemistry Research*, **2004**, 43, 6534-6547	3.9	28
35	Investigating the Influence of Polymers on Supersaturated Flufenamic Acid Cocrystal Solutions. *Molecular Pharmaceutics*, **2016**, 13, 3292-307	5.6	27
34	Investigation of the effect of hydroxypropyl methylcellulose on the phase transformation and release profiles of carbamazepine-nicotinamide cocrystal. *Pharmaceutical Research*, **2014**, 31, 2312-25	4.5	25
33	Effects of coformers on phase transformation and release profiles of carbamazepine cocrystals in hydroxypropyl methylcellulose based matrix tablets. *International Journal of Pharmaceutics*, **2015**, 479, 118-28	6.5	25
32	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	5.6	24
31	Population balance modelling and multi-stage optimal control of a pulsed spray fluidized bed granulation. *International Journal of Pharmaceutics*, **2014**, 468, 223-33	6.5	21
30	Role of polymers in solution and tablet-based carbamazepine cocrystal formulations. *CrystEngComm*, **2016**, 18, 2664-2678	3.3	19
29	On-Line Crystallization Process Parameter Measurements Using Ultrasonic Attenuation Spectroscopy. *Crystal Growth and Design*, **2004**, 4, 955-963	3.5	19
28	A simple nonlinear controller with diagonal recurrent neural network. *Chemical Engineering Science*, **2000**, 55, 1283-1288	4.4	19

27	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	3.9	18
26	Obtaining Particle Size Distribution from Chord Length Measurements. *Particle and Particle Systems Characterization*, **2006**, 23, 170-174	3.1	16
25	PID-Based Sliding Mode Controller for Nonlinear Processes. *Industrial & Engineering Chemistry Research*, **2001**, 40, 2660-2667	3.9	16
24	Investigating the Effects of Loading Factors on the In Vitro Pharmaceutical Performance of Mesoporous Materials as Drug Carriers for Ibuprofen. *Materials*, **2017**, 10,	3.5	15
23	Dynamic Model Analysis of Batch Fluidized Bed Dryers. *Particle and Particle Systems Characterization*, **2008**, 25, 328-344	3.1	15
22	Fuzzy multi-model based adaptive predictive control and its application to thermoplastic injection molding. *Canadian Journal of Chemical Engineering*, **2001**, 79, 263-272	2.3	15
21	Particle size distribution determination from spectral extinction using evolutionary programming. *Chemical Engineering Science*, **2001**, 56, 3045-3052	4.4	15
20	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. *Drying Technology*, **2017**, 35, 1043-1058	2.6	12
19	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, 131-8	3.9	11
18	Investigating Permeation Behavior of Flufenamic Acid Cocrystals Using a Dissolution and Permeation System. *Molecular Pharmaceutics*, **2018**, 15, 4257-4272	5.6	10
17	Particle Size Distribution Determination from Spectral Extinction Using Neural Networks. *Industrial & Engineering Chemistry Research*, **2001**, 40, 4615-4622	3.9	8
16	Neural network particle sizing in slurries by reflectance spectroscopy. *AICHE Journal*, **2002**, 48, 2492-2498	3.6	7
15	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	5.6	7
14	A Neural-Network-Based Nonlinear Controller Using an Extended Kalman Filter. *Industrial & Engineering Chemistry Research*, **1999**, 38, 2345-2349	3.9	6
13	Model-Based Nonlinear Control of Batch Fluidized Bed Dryers. *Particle and Particle Systems Characterization*, **2008**, 25, 345-359	3.1	4
12	Measuring Size Distribution of Organic Crystals of Different Shapes Using Different Technologies. *Particle and Particle Systems Characterization*, **2006**, 23, 138-144	3.1	4
11	Predictive control for processes with input dynamic nonlinearity. *Chemical Engineering Science*, **2000**, 55, 4045-4052	4.4	3
10	Comparison of In Vitro Dissolution Tests for Commercially Available Aspirin Tablets. *Dissolution Technologies*, **2013**, 20, 48-58	1.7	3

9	In Vitro Dissolution Studies of Immediate-Release and Extended-Release Formulations Using Flow-Through Cell Apparatus 4. *Dissolution Technologies*, **2014**, 21,	1.7	3
8	Artemisinin Cocrystals for Bioavailability Enhancement. Part 1: Formulation Design and Role of the Polymeric Excipient. *Molecular Pharmaceutics*, **2021**, 18, 4256-4271	5.6	3
7	Cocrystallisation of Daidzein with pyridine-derived molecules: Screening, structure determination and characterisation. *Journal of Molecular Structure*, **2020**, 1222, 128893	3.4	3
6	Neural network-based optimal iterative controller for nonlinear processes. *Canadian Journal of Chemical Engineering*, **2000**, 78, 363-370	2.3	2
5	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	3.2	1
4	Identification and Control of Nonlinear Processes in the Presence of Unmeasured Load Disturbances. *Industrial & Engineering Chemistry Research*, **2001**, 40, 2275-2282	3.9	1
3	Artemisinin Cocrystals for Bioavailability Enhancement. Part 2: Bioavailability and Physiologically Based Pharmacokinetic Modeling. *Molecular Pharmaceutics*, **2021**, 18, 4272-4289	5.6	1
2	Artemisinin□cetylenedicarboxylic acid cocrystal: screening, structure determination, and physicochemical property characterisation. *CrystEngComm*, **2022**, 24, 1056-1067	3.3	0
1	A Knowledge-Based Controller Used in Process Control Systems. *International Journal of Uncertainty, Fuzziness and Knowlege-Based Systems*, **1997**, 05, 47-57	0.8	