

Lie-Ding Shiau

List of Publications by Year in descending order

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citing authors

#	ARTICLE	IF	CITATIONS
1	Separation and Purification of p-Xylene from the Mixture of m-Xylene and p-Xylene by Distillative Freezing. <i>Industrial & Engineering Chemistry Research</i> , 2005, 44, 2258-2265.	3.7	34
2	A model for determination of the interfacial energy from the induction time or metastable zone width data based on turbidity measurements. <i>CrystEngComm</i> , 2014, 16, 9743-9752.	2.6	26
3	Separation of p-xylene from the multicomponent xylene system by stripping crystallization. <i>AIChE Journal</i> , 2008, 54, 337-342.	3.6	24
4	Application of distillative freezing in the separation of o-xylene and p-xylene. <i>AIChE Journal</i> , 2006, 52, 1962-1967.	3.6	23
5	Comparison of the interfacial energy and pre-exponential factor calculated from the induction time and metastable zone width data based on classical nucleation theory. <i>Journal of Crystal Growth</i> , 2016, 450, 50-55.	1.5	21
6	Chiral purification of S-ibuprofen from ibuprofen enantiomers by stripping crystallization. <i>Chemical Engineering Research and Design</i> , 2017, 117, 301-308.	5.6	21
7	Separation of the benzene/cyclohexane mixture by stripping crystallization. <i>Separation and Purification Technology</i> , 2009, 66, 422-426.	7.9	19
8	The distribution of dislocation activities among crystals in sucrose crystallization. <i>Chemical Engineering Science</i> , 2003, 58, 5299-5304.	3.8	17
9	A model for determination of the interfacial energy from the measured metastable zone width by the polythermal method. <i>Journal of Crystal Growth</i> , 2014, 402, 267-272.	1.5	16
10	Determination of the Nucleation and Growth Kinetics for Aqueous L-glycine Solutions from the Turbidity Induction Time Data. <i>Crystals</i> , 2018, 8, 403.	2.2	16
11	Purification of m-xylene from the mixed xylenes by stripping crystallization. <i>Separation and Purification Technology</i> , 2021, 255, 117688.	7.9	15
12	Interactive Effects of Particle Mixing and Segregation on the Performance Characteristics of a Fluidized Bed Crystallizer. <i>Industrial & Engineering Chemistry Research</i> , 2001, 40, 707-713.	3.7	14
13	The temperature dependence of the pre-exponential factor and interfacial energy for aqueous glycine solutions based on the metastable zone width data. <i>Journal of Crystal Growth</i> , 2018, 496-497, 18-23.	1.5	13
14	Effects of Various Inhibitors on the Nucleation of Calcium Oxalate in Synthetic Urine. <i>Crystals</i> , 2020, 10, 333.	2.2	13
15	Separation of the cresol isomers by stripping crystallization. <i>Asia-Pacific Journal of Chemical Engineering</i> , 2012, 7, S26.	1.5	12
16	The influence of solvent on the pre-exponential factor and interfacial energy based on the metastable zone width data. <i>CrystEngComm</i> , 2016, 18, 6358-6364.	2.6	12
17	Growth rate dispersion in batch crystallization. <i>AIChE Journal</i> , 1990, 36, 1669-1679.	3.6	11
18	Separation of diethylbenzene isomers by distillative freezing. <i>Journal of the Taiwan Institute of Chemical Engineers</i> , 2008, 39, 59-65.	1.4	11

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19	Investigations into the Effects of the Cooling Rate on Stripping Crystallization. <i>Industrial & Engineering Chemistry Research</i> , 2013, 52, 1716-1722.	3.7	11
20	An Extended Study on the Average Molecular Weights of Nonlinear Polymers. <i>Macromolecules</i> , 1995, 28, 6273-6277.	4.8	10
21	Modelling of the Polymorph Nucleation based on Classical Nucleation Theory. <i>Crystals</i> , 2019, 9, 69.	2.2	10
22	Effect of L-valine impurity on the nucleation parameters of aqueous L-glutamic acid solutions from metastable zone width data. <i>Journal of Crystal Growth</i> , 2020, 546, 125790.	1.5	10
23	Modelling of a fluidized-bed crystallizer operated in a batch mode. <i>Chemical Engineering Science</i> , 1999, 54, 865-871.	3.8	8
24	Product Yield, Purity, and Effective Distribution Coefficient in Stripping Crystallization of <i>R</i> -2-Amino-1-phenylethanol from the Enantiomer Mixture. <i>Crystal Growth and Design</i> , 2020, 20, 1328-1336.	3.0	8
25	Simultaneous determination of interfacial energy and growth activation energy from induction time measurements. <i>Journal of Crystal Growth</i> , 2016, 442, 47-51.	1.5	7
26	CONSECUTIVE ESTERIFICATION OF 1,4-BUTANEDIOL WITH ACRYLIC ACID BY HOMOGENEOUS CATALYSIS. <i>Chemical Engineering Communications</i> , 2000, 179, 133-148.	2.6	6
27	The Dependence of Effective Distribution Coefficient on Growth Rate and Mass Transfer Coefficient for P-Xylene in Solid-Layer Melt Crystallization. <i>Processes</i> , 2020, 8, 175.	2.8	6
28	Modeling solute clustering in the diffusion layer around a growing crystal. <i>Journal of Chemical Physics</i> , 2009, 130, 094105.	3.0	5
29	Investigations into the Influence of Solvents on the Nucleation Kinetics for Isonicotinamide, Lovastatin, and Phenacetin. <i>ACS Omega</i> , 2019, 4, 17352-17358.	3.5	5
30	A linearized integral model for determining the nucleation parameters from metastable zone width data. <i>Journal of Crystal Growth</i> , 2021, 564, 126115.	1.5	5
31	A comparative study on branched polymers formed by T-shaped junctions and by H-shaped junctions. <i>Macromolecular Theory and Simulations</i> , 1999, 8, 586-593.	1.4	4
32	The Average Properties of Block Copolymers Formed via the One-Prepolymer Method and the Two-Prepolymer Method. <i>Macromolecular Theory and Simulations</i> , 2001, 10, 179-186.	1.4	4
33	A new model and a design procedure for an Oslo-Krystal cooling crystallizer. <i>Journal of the Taiwan Institute of Chemical Engineers</i> , 2015, 50, 76-83.	5.3	4
34	Molecular weight distribution of step-growth comb-branched polymers. <i>Polymer</i> , 2002, 43, 2835-2843.	3.8	3
35	Chiral Separation of the Phenylglycinol Enantiomers by Stripping Crystallization. <i>Molecules</i> , 2018, 23, 2901.	3.8	3
36	Purification of the 2,6-Xylenol/m-Cresol Mixture by a New Separation Technique Combining Distillation and Crystallization. <i>Journal of Chemical Engineering of Japan</i> , 2011, 44, 623-627.	0.6	3

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37	Comparison of the Nucleation Parameters of Aqueous L-glycine Solutions in the Presence of L-arginine from Induction Time and Metastable-Zone-Width Data. <i>Crystals</i> , 2021, 11, 1226.	2.2	3
38	A systematic analysis of average molecular weights and gelation conditions for branched immune complexes: The interaction between a multivalent antigen with distinct epitopes and many different types of bivalent antibodies. , 1998, 39, 445-454.		2
39	Separation of the catechol/4-methoxyphenol mixture by stripping crystallization. <i>Journal of Industrial and Engineering Chemistry</i> , 2012, 18, 963-968.	5.8	2
40	Purification of hydrobenzoin enantiomers by stripping crystallization. <i>Journal of the Taiwan Institute of Chemical Engineers</i> , 2013, 44, 707-712.	5.3	2
41	Comment on "Relation between metastable zone width and induction time of butyl paraben in ethanol" by H. Yang, <i>CrystEngComm</i> , 2015, 17, 577. <i>CrystEngComm</i> , 2015, 17, 4402-4404.	2.6	2
42	A Photomicroscopic Study on the Growth Rates of Calcium Oxalate Crystals in a New Synthetic Urine without Inhibitors and with Various Inhibitors. <i>Crystals</i> , 2021, 11, 223.	2.2	2
43	Comparison of the Nucleation Kinetics Obtained from the Cumulative Distributions of the Metastable Zone Width and Induction Time Data. <i>Molecules</i> , 2022, 27, 3007.	3.8	2
44	The Correlation for Effective Distribution Coefficient with Initial Impurity Concentration and Growth Rate for Acrylic Acid in Melt Crystallization. <i>Crystals</i> , 2022, 12, 709.	2.2	2
45	Chiral Purification of <i>S</i> -2-Phenylpropionic Acid from an Enantiomer Mixture by Stripping Crystallization. <i>Industrial & Engineering Chemistry Research</i> , 2022, 61, 10224-10232.	3.7	2
46	A probability model on the average properties for the further stepwise polymerization of prepolymers. <i>Macromolecular Theory and Simulations</i> , 1996, 5, 1195-1205.	1.4	1
47	Average properties of polymer blends formed between two polydisperse reactive polymers. <i>Polymer</i> , 1998, 39, 1317-1326.	3.8	1
48	A Probability Model of Star-Branched Polymers Formed by Connecting Polydispersed Primary Chains Onto a Multifunctional Coupling Agent. <i>Macromolecular Theory and Simulations</i> , 2004, 13, 783-789.	1.4	1
49	Modeling the nonideal mixing behavior in a continuous-stirred crystallizer. <i>Computers and Chemical Engineering</i> , 2006, 30, 970-977.	3.8	1
50	Comments on "Heterogeneous Nucleation Rate of Calcium Carbonate Derived from Induction Period" <i>Industrial & Engineering Chemistry Research</i> , 2010, 49, 3496-3498.	3.7	1
51	Purification of Styrene from a Styrene/Ethylbenzene Mixture by Stripping Crystallization. <i>Industrial & Engineering Chemistry Research</i> , 2018, 57, 6759-6765.	3.7	1
52	A Linear Regression Model for Determining the Pre-Exponential Factor and Interfacial Energy Based on the Metastable Zone Width Data. <i>Crystals</i> , 2020, 10, 103.	2.2	1
53	Purification of durene from the mixture of durene and isodurene by stripping crystallization. <i>Korean Journal of Chemical Engineering</i> , 2021, 38, 2510-2518.	2.7	1
54	Purification of Chlorophenol Isomers by Stripping Crystallization Combining Melt Crystallization and Vaporization. <i>Molecules</i> , 2021, 26, 6524.	3.8	0