

Herman J M Kramer

List of Publications by Year in descending order

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Version: 2024-02-01

28
papers

1,173
citations

471509

17
h-index

552781

26
g-index

47
all docs

47
docs citations

47
times ranked

983
citing authors

#	ARTICLE	IF	CITATIONS
1	Microfluidic Platform with Serpentine Geometry Providing Chaotic Mixing in Induction Time Experiments. <i>Crystal Growth and Design</i> , 2022, 22, 4072-4085.	3.0	4
2	Screening Approach for Identifying Cocrystal Types and Resolution Opportunities in Complex Chiral Multicomponent Systems. <i>Crystal Growth and Design</i> , 2021, 21, 112-124.	3.0	16
3	Influence of Laser Parameters and Experimental Conditions on Nonphotochemical Laser-Induced Nucleation of Glycine Polymorphs. <i>Crystal Growth and Design</i> , 2021, 21, 631-641.	3.0	14
4	Nucleation kinetics of calcium oxalate monohydrate as a function of pH, magnesium, and osteopontin concentration quantified with droplet microfluidics. <i>Biomicrofluidics</i> , 2021, 15, 064103.	2.4	7
5	A Combined Experimental and Modelling Study on Solubility of Calcium Oxalate Monohydrate at Physiologically Relevant pH and Temperatures. <i>Crystals</i> , 2020, 10, 924.	2.2	10
6	Application of inline imaging for monitoring crystallization process in a continuous oscillatory baffled crystallizer. <i>AIChE Journal</i> , 2018, 64, 2450-2461.	3.6	32
7	Multiparameter Investigation of Laser-Induced Nucleation of Supersaturated Aqueous KCl Solutions. <i>Crystal Growth and Design</i> , 2018, 18, 312-317.	3.0	22
8	Novel Design Integrating a Microwave Applicator into a Crystallizer for Rapid Temperature Cycling. A Direct Nucleation Control Study. <i>Crystal Growth and Design</i> , 2017, 17, 3766-3774.	3.0	11
9	Determination of kinetics in batch cooling crystallization processes – A sequential parameter estimation approach. <i>AIChE Journal</i> , 2016, 62, 3992-4012.	3.6	18
10	Deracemization of a Racemic Compound via Its Conglomerate-Forming Salt Using Temperature Cycling. <i>Crystal Growth and Design</i> , 2016, 16, 5563-5570.	3.0	63
11	Solid Separation from a Mixed Suspension through Electric-Field-Enhanced Crystallization. <i>Angewandte Chemie - International Edition</i> , 2016, 55, 16088-16091.	13.8	9
12	Solid Separation from a Mixed Suspension through Electric-Field-Enhanced Crystallization. <i>Angewandte Chemie</i> , 2016, 128, 16322-16325.	2.0	4
13	Microwave Assisted Direct Nucleation Control for Batch Crystallization: Crystal Size Control with Reduced Batch Time. <i>Crystal Growth and Design</i> , 2016, 16, 440-446.	3.0	24
14	An Air-Lift Crystallizer Can Suppress Secondary Nucleation at a Higher Supersaturation Compared to a Stirred Crystallizer. <i>Crystal Growth and Design</i> , 2014, 14, 3264-3275.	3.0	29
15	Recent advances in the monitoring, modelling and control of crystallization systems. <i>Chemical Engineering Research and Design</i> , 2013, 91, 1903-1922.	5.6	245
16	Nonlinear Model-Based Control of a Semi-Industrial Batch Crystallizer Using a Population Balance Modeling Framework. <i>IEEE Transactions on Control Systems Technology</i> , 2012, 20, 1188-1201.	5.2	54
17	Rapid Crystallization Process Development Strategy from Lab to Industrial Scale with PAT Tools in Skid Configuration. <i>Organic Process Research and Development</i> , 2012, 16, 769-780.	2.7	19
18	Crystal Nucleation by Laser-Induced Cavitation. <i>Crystal Growth and Design</i> , 2011, 11, 2311-2316.	3.0	62

#	ARTICLE	IF	CITATIONS
19	Combination of a Single Primary Nucleation Event and Secondary Nucleation in Crystallization Processes. <i>Crystal Growth and Design</i> , 2011, 11, 1271-1277.	3.0	128
20	Real-time control of a semi-industrial fed-batch evaporative crystallizer using different direct optimization strategies. <i>AIChE Journal</i> , 2011, 57, 1557-1569.	3.6	44
21	Application of ultrasound for start-up of evaporative batch crystallization of ammonium sulfate in a 75-L crystallizer. <i>AIChE Journal</i> , 2011, 57, 3367-3377.	3.6	19
22	A Comparative Study of ATR-FTIR and FT-NIR Spectroscopy for In-Situ Concentration Monitoring during Batch Cooling Crystallization Processes. <i>Crystal Growth and Design</i> , 2010, 10, 2629-2640.	3.0	38
23	A Task-Based Synthesis Approach toward the Design of Industrial Crystallization Process Units. <i>Industrial & Engineering Chemistry Research</i> , 2007, 46, 3979-3996.	3.7	12
24	Precipitation mechanism of stable and metastable polymorphs of L-glutamic acid. <i>AIChE Journal</i> , 2007, 53, 354-362.	3.6	39
25	Application of Seeding as a Process Actuator in a Model Predictive Control Framework for Fed-Batch Crystallization of Ammonium Sulphate. <i>Particle and Particle Systems Characterization</i> , 2007, 24, 40-48.	2.3	45
26	Analysis of Nucleation Rate Measurements in Precipitation Processes. <i>Crystal Growth and Design</i> , 2006, 6, 1380-1392.	3.0	75
27	In-Line Process Refractometer for Concentration Measurement in Sugar Crystallizers. , 0, , 71-79.		1
28	Role of Hyaluronic Acid on the Nucleation Kinetics of Calcium Oxalate Hydrates in Artificial Urine Quantified with Droplet Microfluidics. <i>Crystal Growth and Design</i> , 0, , .	3.0	4