# Zoltan Nagy

List of Publications by Year
in descending order



| 125 | 4,163 | 117453 | 143772 |
|---|---|---|---|
| papers | citations | 34 h-index | 57 g-index |

| 132 | 132 | 132 | 2313 |
|---|---|---|---|
| all docs | docs citations | times ranked | citing authors |

| # | Article | IF | Citations |
|---|---|---|---|
| 1 | Real-time optimization and nonlinear model predictive control of processes governed by differential-algebraic equations. Journal of Process Control, 2002, 12, 577-585. | 1.7 | 573 |
| 2 | Advances and New Directions in Crystallization Control. Annual Review of Chemical and Biomolecular Engineering, 2012, 3, 55-75. | 3.3 | 260 |
| 3 | Determination of the Kinetic Parameters for the Crystallization of Paracetamol from Water Using Metastable Zone Width Experiments. Industrial & Engineering Chemistry Research, 2008, 47, 1245-1252. | 1.8 | 135 |
| 4 | Seeded Batch Cooling Crystallization with Temperature Cycling for the Control of Size Uniformity and Polymorphic Purity of Sulfathiazole Crystals. Organic Process Research and Development, 2009, 13, 1343-1356. | 1.3 | 90 |
| 5 | Automated direct nucleation control for in situ dynamic fines removal in batch cooling crystallization. CrystEngComm, 2012, 14, 2196. | 1.3 | 84 |
| 6 | Process Intensification through Continuous Spherical Crystallization Using a Two-Stage Mixed Suspension Mixed Product Removal (MSMPR) System. Crystal Growth and Design, 2015, 15, 4225-4236. | 1.4 | 81 |
| 7 | Tuning Crystal Morphology of Succinic Acid Using a Polymer Additive. Crystal Growth and Design, 2016, 16, 4349-4359. | 1.4 | 79 |
| 8 | Integrated Continuous Pharmaceutical Technologiesâ€"A Review. Organic Process Research and Development, 2021, 25, 721-739. | 1.3 | 72 |
| 9 | Endoscopy-Based in Situ Bulk Video Imaging of Batch Crystallization Processes. Organic Process Research and Development, 2009, 13, 1254-1261. | 1.3 | 69 |
| 10 | Combined Cooling and Antisolvent Crystallization in Continuous Mixed Suspension, Mixed Product Removal Cascade Crystallizers: Steady-State and Startup Optimization. Industrial & Engineering Chemistry Research, 2015, 54, 5673-5682. | 1.8 | 67 |
| 11 | Integrated Upstream and Downstream Application of Wet Milling with Continuous Mixed Suspension Mixed Product Removal Crystallization. Crystal Growth and Design, 2015, 15, 5879-5885. | 1.4 | 65 |
| 12 | Advanced control approaches for combined cooling/antisolvent crystallization in continuous mixed suspension mixed product removal cascade crystallizers. Chemical Engineering Science, 2015, 127, 362-373. | 1.9 | 59 |
| 13 | Application of Process Analytical Technology-Based Feedback Control Strategies To Improve Purity and Size Distribution in Biopharmaceutical Crystallization. Crystal Growth and Design, 2015, 15, 2908-2919. | 1.4 | 59 |
| 14 | Nonlinear Model-Based Control of a Semi-Industrial Batch Crystallizer Using a Population Balance Modeling Framework. IEEE Transactions on Control Systems Technology, 2012, 20, 1188-1201. | 3.2 | 54 |
| 15 | Fines removal in a continuous plug flow crystallizer by optimal spatial temperature profiles with controlled dissolution. AICHE Journal, 2013, 59, 4582-4594. | 1.8 | 54 |
| 16 | Automated Direct Nucleation Control in Continuous Mixed Suspension Mixed Product Removal Cooling Crystallization. Crystal Growth and Design, 2015, 15, 5839-5848. | 1.4 | 53 |
| 17 | Application of Wet Milling-Based Automated Direct Nucleation Control in Continuous Cooling Crystallization Processes. Industrial & Engineering Chemistry Research, 2016, 55, 4987-4996. | 1.8 | 49 |
| 18 | Real-Time Image Processing Based Online Feedback Control System for Cooling Batch Crystallization. Organic Process Research and Development, 2017, 21, 511-519. | 1.3 | 48 |

| # | Article | IF | Citations |
|---|---|---|---|
| 19 | Evaluation of mixed suspension mixed product removal crystallization processes coupled with a continuous filtration system. Chemical Engineering and Processing: Process Intensification, 2016, 108, 212-219. | 1.8 | 47 |
| 20 | Multi-Impurity Adsorption Model for Modeling Crystal Purity and Shape Evolution during Crystallization Processes in Impure Media. Crystal Growth and Design, 2016, 16, 555-568. | 1.4 | 47 |
| 21 | Process Intensification through Continuous Spherical Crystallization Using an Oscillatory Flow Baffled Crystallizer. Crystal Growth and Design, 2017, 17, 4776-4784. | 1.4 | 47 |
| 22 | Monitoring Continuous Crystallization of Paracetamol in the Presence of an Additive Using an Integrated PAT Array and Multivariate Methods. Organic Process Research and Development, 2016, 20, 626-636. | 1.3 | 46 |
| 23 | Model-Based Systematic Design and Analysis Approach for Unseeded Combined Cooling and Antisolvent Crystallization (CCAC) Systems. Crystal Growth and Design, 2014, 14, 687-698. | 1.4 | 45 |
| 24 | Toward Continuous Crystallization of Urea-Barbituric Acid: A Polymorphic Co-Crystal System. Crystal Growth and Design, 2015, 15, 4821-4836. | 1.4 | 45 |
| 25 | Realâ€time control of a semiâ€industrial fedâ€batch evaporative crystallizer using different direct optimization strategies. AICHE Journal, 2011, 57, 1557-1569. | 1.8 | 44 |
| 26 | Developing the TriLab, a triple access mode (handsâ€on, virtual, remote) laboratory, of a process control rig using LabVIEW and Joomla. Computer Applications in Engineering Education, 2013, 21, 614-626. | 2.2 | 44 |
| 27 | Mathematical Modeling, Design, and Optimization of a Multisegment Multiaddition Plug-Flow Crystallizer for Antisolvent Crystallizations. Organic Process Research and Development, 2015, 19, 1859-1870. | 1.3 | 43 |
| 28 | Multiobjective Optimization of an Unseeded Batch Cooling Crystallizer for Shape and Size Manipulation. Industrial & Engineering Chemistry Research, 2015, 54, 2156-2166. | 1.8 | 42 |
| 29 | End-to-end continuous manufacturing of conventional compressed tablets: From flow synthesis to tableting through integrated crystallization and filtration. International Journal of Pharmaceutics, 2020, 581, 119297. | 2.6 | 42 |
| 30 | Dynamic Modeling of Encrust Formation and Mitigation Strategy in a Continuous Plug Flow Crystallizer. Crystal Growth and Design, 2015, 15, 1129-1140. | 1.4 | 40 |
| 31 | Investigation of the Evolution of Crystal Size and Shape during Temperature Cycling and in the Presence of a Polymeric Additive Using Combined Process Analytical Technologies. Crystal Growth and Design, 2017, 17, 1695-1706. | 1.4 | 40 |
| 32 | Mathematical modelling and experimental validation of a novel periodic flow crystallization using MSMPR crystallizers. AICHE Journal, 2017, 63, 1313-1327. | 1.8 | 38 |
| 33 | Application of Model-Free and Model-Based Quality-by-Control (QbC) for the Efficient Design of Pharmaceutical Crystallization Processes. Crystal Growth and Design, 2020, 20, 3979-3996. | 1.4 | 38 |
| 34 | Systematic classification of unseeded batch crystallization systems for achievable shape and size analysis. Journal of Crystal Growth, 2014, 394, 97-105. | 0.7 | 35 |
| 35 | Dropwise additive manufacturing of pharmaceutical products for amorphous and self emulsifying drug delivery systems. International Journal of Pharmaceutics, 2017, 524, 424-432. | 2.6 | 34 |
| 36 | Nonlinear model predictive control of a four tank system: An experimental stability study. , 2006, , . | | 32 |

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|---|---|---|---|
| 37 | Experimental implementation of a Quality-by-Control (QbC) framework using a mechanistic PBM-based nonlinear model predictive control involving chord length distribution measurement for the batch cooling crystallization of l-ascorbic acid. Chemical Engineering Science, 2019, 195, 335-346. | 1.9 | 32 |
| 38 | Raman, UV, NIR, and Midâ€IR Spectroscopy with Focused Beam Reflectance Measurement in Monitoring Polymorphic Transformations. Chemical Engineering and Technology, 2014, 37, 1305-1313. | 0.9 | 31 |
| 39 | Model-based analysis of stirred cooling crystallizer of high aspect ratio crystals with linear and nonlinear breakage. Computers and Chemical Engineering, 2017, 98, 180-196. | 2.0 | 31 |
| 40 | Application of feedback control and in situ milling to improve particle size and shape in the crystallization of a slow growing needle-like active pharmaceutical ingredient. International Journal of Pharmaceutics, 2017, 533, 49-61. | 2.6 | 31 |
| 41 | Raman Spectroscopy for Monitoring the Continuous Crystallization of Carbamazepine. Organic Process Research and Development, 2018, 22, 156-165. | 1.3 | 31 |
| 42 | Further Understanding of Agglomeration Mechanisms in Spherical Crystallization Systems: Benzoic Acid Case Study. Crystal Growth and Design, 2019, 19, 1668-1679. | 1.4 | 31 |
| 43 | Effects of a structurally related substance on the crystallization of paracetamol. Frontiers of Chemical Science and Engineering, 2013, 7, 79-87. | 2.3 | 30 |
| 44 | Mass spectrometric directed system for the continuous-flow synthesis and purification of diphenhydramine. Chemical Science, 2017, 8, 4363-4370. | 3.7 | 30 |
| 45 | A Systematic Framework for Process Control Design and Risk Analysis in Continuous Pharmaceutical Solid-Dosage Manufacturing. Journal of Pharmaceutical Innovation, 2017, 12, 327-346. | 1.1 | 30 |
| 46 | Development of Continuous Filtration in a Novel Continuous Filtration Carousel Integrated with Continuous Crystallization. Organic Process Research and Development, 2019, 23, 2655-2665. | 1.3 | 30 |
| 47 | Encrustation in Continuous Pharmaceutical Crystallization Processesâ€”A Review. Organic Process Research and Development, 2019, 23, 1134-1142. | 1.3 | 29 |
| 48 | Nonlinear model predictive control of a four tank system: An experimental stability study. , 0, . | | 29 |
| 49 | Chord Length Distribution Based Modeling and Adaptive Model Predictive Control of Batch Crystallization Processes Using High Fidelity Full Population Balance Models. Industrial & Engineering Chemistry Research, 2018, 57, 3320-3332. | 1.8 | 28 |
| 50 | Fabrication of composite poly(d,l-lactide)/montmorillonite nanoparticles for controlled delivery of acetaminophen by solvent-displacement method using glass capillary microfluidics. Colloids and Surfaces B: Biointerfaces, 2016, 141, 187-195. | 2.5 | 27 |
| 51 | Modeling and Characterization of an in Situ Wet Mill Operation. Organic Process Research and Development, 2017, 21, 1069-1079. | 1.3 | 27 |
| 52 | A comparative study of continuous operation between a dynamic baffle crystallizer and a stirred tank crystallizer. Chemical Engineering Journal, 2019, 367, 278-294. | 6.6 | 27 |
| 53 | Aspect Ratio Distribution and Chord Length Distribution Driven Modeling of Crystallization of Two-Dimensional Crystals for Real-Time Model-Based Applications. Crystal Growth and Design, 2018, 18, 5311-5321. | 1.4 | 26 |
| 54 | Data reconciliation in the Quality-by-Design (QbD) implementation of pharmaceutical continuous tablet manufacturing. International Journal of Pharmaceutics, 2019, 563, 259-272. | 2.6 | 26 |

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| 55 | Amorphous Solid Dispersions Containing Residual Crystallinity: Competition Between Dissolution and Matrix Crystallization. AAPS Journal, 2021, 23, 69. | 2.2 | 26 |
| 56 | Real-time monitoring of the mechanism of ibuprofen-cationic dextran crystanule formation using crystallization process informatics system (CryPRINS). International Journal of Pharmaceutics, 2016, 509, 264-278. | 2.6 | 25 |
| 57 | Encapsulation and Controlled Release of Rapamycin from Polycaprolactone Nanoparticles Prepared by Membrane Micromixing Combined with Antisolvent Precipitation. Langmuir, 2016, 32, 10685-10693. | 1.6 | 25 |
| 58 | Model-Based Optimization of Cooling Crystallization of Active Pharmaceutical Ingredients Undergoing Thermal Degradation. Crystal Growth and Design, 2019, 19, 3417-3429. | 1.4 | 25 |
| 59 | Anti-Fouling Control of Plug-Flow Crystallization via Heating and Cooling Cycle. IFAC-PapersOnLine, 2015, 48, 193-198. | 0.5 | 24 |
| 60 | Population Balance Modeling and Optimization of an Integrated Batch Crystallizerâ€“Wet Mill System for Crystal Size Distribution Control. Crystal Growth and Design, 2018, 18, 1415-1424. | 1.4 | 24 |
| 61 | Reaction precipitation of amorphous calcium phosphate: Population balance modelling and kinetics. Chemical Engineering Research and Design, 2015, 93, 278-286. | 2.7 | 23 |
| 62 | Application of Ultra-Performance Liquid Chromatography as an Online Process Analytical Technology Tool in Pharmaceutical Crystallization. Crystal Growth and Design, 2016, 16, 7074-7082. | 1.4 | 23 |
| 63 | Solubility curves and nucleation rates from molecular dynamics for polymorph prediction â€“ moving beyond lattice energy minimization. Physical Chemistry Chemical Physics, 2017, 19, 5285-5295. | 1.3 | 23 |
| 64 | Process Analytical Tools To Control Polymorphism and Particle Size in Batch Crystallization Processes. Organic Process Research and Development, 2017, 21, 855-865. | 1.3 | 23 |
| 65 | Molecular Dynamics Electric Field Crystallization Simulations of Paracetamol Produce a New Polymorph. Crystal Growth and Design, 2017, 17, 3751-3765. | 1.4 | 23 |
| 66 | Automatic differentiationâ€based quadrature method of moments for solving population balance equations. AICHE Journal, 2012, 58, 842-854. | 1.8 | 22 |
| 67 | Crystallization and polymorphic behavior of shea stearin and the effect of removal of polar components. European Journal of Lipid Science and Technology, 2013, 115, 1094-1106. | 1.0 | 22 |
| 68 | Modeling of pharmaceutical filtration and continuous integrated crystallization-filtration processes. Chemical Engineering Journal, 2021, 413, 127566. | 6.6 | 21 |
| 69 | Experimental Investigation of an Integrated Crystallization and Wet-Milling System with Temperature Cycling to Control the Size and Aspect Ratio of Needle-Shaped Pharmaceutical Crystals. Crystal Growth and Design, 2021, 21, 3981-3993. | 1.4 | 21 |
| 70 | Real-time feasible multi-objective optimization based nonlinear model predictive control of particle size and shape in a batch crystallization process. Control Engineering Practice, 2017, 69, 1-8. | 3.2 | 20 |
| 71 | A continuous multi-stage mixed-suspension mixed-product-removal crystallization system with fines dissolution. Chemical Engineering Research and Design, 2018, 135, 112-120. | 2.7 | 20 |
| 72 | Continuous Spherical Crystallization of Lysozyme in an Oscillatory Baffled Crystallizer Using Emulsion Solvent Diffusion in Droplets. Crystal Growth and Design, 2020, 20, 934-947. | 1.4 | 20 |

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|---|---|---|---|
| 73 | Analysis of the crystallization process of a biopharmaceutical compound in the presence of impurities using process analytical technology (PAT) tools. Journal of Chemical Technology and Biotechnology, 2016, 91, 1461-1470. | 1.6 | 19 |
| 74 | Mathematical modeling and digital design of an intensified filtration-washing-drying unit for pharmaceutical continuous manufacturing. Chemical Engineering Science, 2021, 244, 116803. | 1.9 | 19 |
| 75 | Nanocrystal Dissolution Kinetics and Solubility Increase Prediction from Molecular Dynamics: The Case of Î±-, Î²-, and Î³-Glycine. Molecular Pharmaceutics, 2017, 14, 1023-1032. | 2.3 | 18 |
| 76 | Model-Based Evaluation of Direct Nucleation Control Approaches for the Continuous Cooling Crystallization of Paracetamol in a Mixed Suspension Mixed Product Removal System. Crystal Growth and Design, 2017, 17, 5377-5383. | 1.4 | 18 |
| 77 | Population Balance Model Development Verification and Validation of Cooling Crystallization of Carbamazepine. Crystal Growth and Design, 2020, 20, 5235-5250. | 1.4 | 18 |
| 78 | PharmaPy: An object-oriented tool for the development of hybrid pharmaceutical flowsheets. Computers and Chemical Engineering, 2021, 153, 107408. | 2.0 | 18 |
| 79 | Numerical analysis of crystallization of high aspect ratio crystals with breakage. Powder Technology, 2015, 283, 152-162. | 2.1 | 16 |
| 80 | Application of X-Ray Sensors for In-line and Noninvasive Monitoring of Mass Flow Rate in Continuous Tablet Manufacturing. Journal of Pharmaceutical Sciences, 2017, 106, 3591-3603. | 1.6 | 16 |
| 81 | A high-throughput multi-microfluidic crystal generator (MMicroCryGen) platform for facile screening of polymorphism and crystal morphology for pharmaceutical compounds. Lab on A Chip, 2018, 18, 2235-2245. | 3.1 | 16 |
| 82 | Polymorphic Control and Scale-Up Strategy for Antisolvent Crystallization Using Direct Nucleation Control. Crystal Growth and Design, 2020, 20, 2683-2697. | 1.4 | 16 |
| 83 | A nonlinear model predictive control approach for robust end-point property control of a thin-film deposition process. International Journal of Robust and Nonlinear Control, 2007, 17, 1600-1613. | 2.1 | 15 |
| 84 | A Novel Robust Digital Design of a Network of Industrial Continuous Cooling Crystallizers of Dextrose Monohydrate: From Laboratory Experiments to Industrial Application. Industrial & Engineering Chemistry Research, 2020, 59, 22231-22246. | 1.8 | 15 |
| 85 | The impact of different preparation modes on enhancing the undergraduate process control engineering laboratory: A comparative study. Computer Applications in Engineering Education, 2014, 22, 110-119. | 2.2 | 14 |
| 86 | Combination of PAT and mechanistic modeling tools in a fully continuous powder to granule line: Rapid and deep process understanding. Powder Technology, 2021, 388, 70-81. | 2.1 | 14 |
| 87 | Drop-on-Demand System for Manufacturing of Melt-based Solid Oral Dosage: Effect of Critical Process Parameters on Product Quality. AAPS PharmSciTech, 2016, 17, 284-293. | 1.5 | 12 |
| 88 | Polymorphic Control and Scale-up Strategy for Crystallization from a Ternary Antisolvent System by Supersaturation Control. Crystal Growth and Design, 2020, 20, 1337-1346. | 1.4 | 12 |
| 89 | Evaluation of a Combined MHE-NMPC Approach to Handle Plant-Model Mismatch in a Rotary Tablet Press. Processes, 2021, 9, 1612. | 1.3 | 12 |
| 90 | Characterisation of high 1,3â€distearoylâ€2â€oleoylâ€snâ€glycerol content stearins produced by acidolysis of high oleic sunflower oil with stearic and palmitic acids. European Journal of Lipid Science and Technology, 2014, 116, 532-547. | 1.0 | 11 |

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| 91 | Three-Way Coupling Simulation of a Gas-Liquid Stirred Tank using a Multi-Compartment Population Balance Model. Chemical Product and Process Modeling, 2016, 11, 205-216. | 0.5 | 11 |
| 92 | Preparation of Microcrystals of Piroxicam Monohydrate by Antisolvent Precipitation via Microfabricated Metallic Membranes with Ordered Pore Arrays. Crystal Growth and Design, 2017, 17, 6692-6702. | 1.4 | 11 |
| 93 | Thermodynamic Polymorph Selection in Enantiotropic Systems Using Supersaturation-Controlled Batch and Semibatch Cooling Crystallization. Crystal Growth and Design, 2019, 19, 6715-6726. | 1.4 | 11 |
| 94 | Steady-state target calculation integrating economic optimization for constrained model predictive control. Computers and Chemical Engineering, 2021, 145, 107145. | 2.0 | 11 |
| 95 | Integrating virtual sample generation with input-training neural network for solving small sample size problems: application to purified terephthalic acid solvent system. Soft Computing, 2021, 25, 6489-6504. | 2.1 | 11 |
| 96 | Digital Design of the Crystallization of an Active Pharmaceutical Ingredient Using a Population Balance Model with a Novel Size Dependent Growth Rate Expression. From Development of a Digital Twin to In Silico Optimization and Experimental Validation. Crystal Growth and Design, 2022, 22, 497-512. | 1.4 | 11 |
| 97 | Distributional uncertainty analysis using polynomial chaos expansions. , 2010, , . | | 10 |
| 98 | Intelligent Process Management for Continuous Operations in Pharmaceutical Manufacturing. Computer Aided Chemical Engineering, 2014, 33, 391-396. | 0.3 | 10 |
| 99 | The Role of Residence Time Distribution in the Continuous Steady-State Mixed Suspension Mixed Product Removal Crystallization of Glycine. Crystal Growth and Design, 2019, 19, 66-80. | 1.4 | 10 |
| 100 | Dropwise Additive Manufacturing of Pharmaceutical Products Using Particle Suspensions. Journal of Pharmaceutical Sciences, 2019, 108, 914-928. | 1.6 | 10 |
| 101 | Polymorphic Control and Scale-Up Strategy for Antisolvent Crystallization Using a Sequential Supersaturation and Direct Nucleation Control Approach. Crystal Growth and Design, 2020, 20, 5538-5550. | 1.4 | 10 |
| 102 | Iterative modelâ€based experimental design for spherical agglomeration processes. AICHE Journal, 2021, 67, e17178. | 1.8 | 10 |
| 103 | A benchmark simulator for quality-by-design and quality-by-control studies in continuous pharmaceutical manufacturing â€' Intensified filtration-drying of crystallization slurries. Computers and Chemical Engineering, 2022, 163, 107809. | 2.0 | 10 |
| 104 | Novel semibatch supersaturation control approach for the cooling crystallization of heatâ€sensitive materials. AICHE Journal, 2020, 66, e16955. | 1.8 | 9 |
| 105 | ONâ€“OFF Feedback Control of Plug-Flow Crystallization: A Case of Quality-by-Control in Continuous Manufacturing. IEEE Life Sciences Letters, 2017, 3, 1-4. | 1.2 | 8 |
| 106 | Sensor Network Robustness Using Model-Based Data Reconciliation for Continuous Tablet Manufacturing. Journal of Pharmaceutical Sciences, 2019, 108, 2599-2612. | 1.6 | 8 |
| 107 | Modeling and analysis of MSMPR cascades involving nucleation, growth and agglomeration mechanisms with slurry recycling. Chemical Engineering Research and Design, 2021, 174, 42-56. | 2.7 | 8 |
| 108 | Cross-Pharma Collaboration for the Development of a Simulation Tool for the Model-Based Digital Design of Pharmaceutical Crystallization Processes (CrySiV). Crystal Growth and Design, 2021, 21, 6448-6464. | 1.4 | 8 |

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| 109 | Kinetic Modelling of the Fenton-Like Oxidation of Maleic Acid Using a Heterogeneous Modified Polyacrylonitrile (Pan) Catalyst. Progress in Reaction Kinetics and Mechanism, 2011, 36, 189-214. | 1.1 | 7 |
| 110 | Risk-Based Operation of a Continuous Mixed-Suspension-Mixed-Product-Removal Antisolvent Crystallization Process for Polymorphic Control. Organic Process Research and Development, 2020, 24, 2840-2852. | 1.3 | 7 |
| 111 | Mathematical Modeling of Emulsion Solvent Diffusion for Spherical Crystallization: How To Deconvolute Primary Crystal Size Distribution from Agglomerate Size Distribution?. Industrial & Engineering Chemistry Research, 2020, 59, 6288-6300. | 1.8 | 7 |
| 112 | Steady-State Data Reconciliation Framework for a Direct Continuous Tableting Line. Journal of Pharmaceutical Innovation, 2019, 14, 221-238. | 1.1 | 6 |
| 113 | Piezoelectric-based high performance spray solvent delivery system for desorption electrospray ionization mass spectrometry: Systematic design and case studies for high throughput screening of N-alkylation reactions. Chemical Engineering Science, 2019, 195, 1010-1020. | 1.9 | 6 |
| 114 | Continuous In Situ Seed Generation through the Integration of a Mixed Suspension Mixed Product Removal and an Oscillatory Baffled Crystallizer for the Control of Crystal Size Distribution and Polymorphic Form. Crystal Growth and Design, 2021, 21, 6684-6696. | 1.4 | 6 |
| 115 | Optimization of Amorphization Kinetics during Hot Melt Extrusion by Particle Engineering: An Experimental and Computational Study. Crystal Growth and Design, 2022, 22, 821-841. | 1.4 | 6 |
| 116 | Small-Scale Continuous Drug Product Manufacturing using Dropwise Additive Manufacturing and Three Phase Settling for Integration with Upstream Drug Substance Production. Journal of Pharmaceutical Sciences, 2022, 111, 2330-2340. | 1.6 | 5 |
| 117 | A real-time optimization framework for the time-varying economic environment. Computers and Chemical Engineering, 2018, 115, 333-341. | 2.0 | 4 |
| 118 | Real-Time Monitoring of Powder Mass Flowrates for Plant-Wide Control of a Continuous Direct Compaction Tablet Manufacturing Process. Journal of Pharmaceutical Sciences, 2022, 111, 69-81. | 1.6 | 4 |
| 119 | Continuous Crystallization: Equipment and Operation. AAPS Advances in the Pharmaceutical Sciences Series, 2020, , 129-192. | 0.2 | 4 |
| 120 | Modeling Crystallization from Solution with Heat Effects. Crystal Growth and Design, 2015, 15, 5726-5737. | 1.4 | 3 |
| 121 | Enabling Mechanical Separation of Enantiomers through Controlled Batchwise Concomitant Crystallization: Digital Design and Experimental Validation. Crystal Growth and Design, 2020, 20, 7726-7741. | 1.4 | 3 |
| 122 | Simultaneous design and control framework for multi-segment multi-addition plug-flow crystallizer for anti-solvent crystallizations. , 2015, , . | | 2 |
| 123 | Graphical Processing Unit (GPU) Accelerated Solution of Multi-Dimensional Population Balances Using High Resolution Finite Volume Algorithm. Computer Aided Chemical Engineering, 2015, 37, 947-952. | 0.3 | 1 |
| 124 | Guest editorialÃ¢Â€Â”computer-aided process engineering. Asia-Pacific Journal of Chemical Engineering, 2009, 4, 843-844. | 0.8 | 0 |
| 125 | Economic optimization in transient processes for model predictive control with a dynamic reference trajectory. Computers and Chemical Engineering, 2019, 121, 224-231. | 2.0 | 0 |