

Andrew Koswara

List of Publications by Year in descending order

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15
papers

266
citations

1040056

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h-index

996975

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docs citations

15
times ranked

348
citing authors

#	ARTICLE	IF	CITATIONS
1	High-throughput screening of organic reactions in microdroplets using desorption electrospray ionization mass spectrometry (DESI-MS): hardware and software implementation. <i>Analytical Methods</i> , 2020, 12, 3654-3669.	2.7	32
2	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. <i>International Journal of Pharmaceutics</i> , 2017, 533, 49-61.	5.2	31
3	Mass spectrometric directed system for the continuous-flow synthesis and purification of diphenhydramine. <i>Chemical Science</i> , 2017, 8, 4363-4370.	7.4	30
4	Encrustation in Continuous Pharmaceutical Crystallization Processes—A Review. <i>Organic Process Research and Development</i> , 2019, 23, 1134-1142.	2.7	29
5	Anti-Fouling Control of Plug-Flow Crystallization via Heating and Cooling Cycle. <i>IFAC-PapersOnLine</i> , 2015, 48, 193-198.	0.9	24
6	Application of Ultra-Performance Liquid Chromatography as an Online Process Analytical Technology Tool in Pharmaceutical Crystallization. <i>Crystal Growth and Design</i> , 2016, 16, 7074-7082.	3.0	23
7	Solubility curves and nucleation rates from molecular dynamics for polymorph prediction – moving beyond lattice energy minimization. <i>Physical Chemistry Chemical Physics</i> , 2017, 19, 5285-5295.	2.8	23
8	Molecular Dynamics Electric Field Crystallization Simulations of Paracetamol Produce a New Polymorph. <i>Crystal Growth and Design</i> , 2017, 17, 3751-3765.	3.0	23
9	Nanocrystal Dissolution Kinetics and Solubility Increase Prediction from Molecular Dynamics: The Case of L-, D-, and L-Glycine. <i>Molecular Pharmaceutics</i> , 2017, 14, 1023-1032.	4.6	18
10	ON-OFF Feedback Control of Plug-Flow Crystallization: A Case of Quality-by-Control in Continuous Manufacturing. <i>IEEE Life Sciences Letters</i> , 2017, 3, 1-4.	1.2	8
11	Robustness of controlled quantum dynamics. <i>Physical Review A</i> , 2014, 90, .	2.5	7
12	Quantum robust control theory for Hamiltonian and control field uncertainty*. <i>New Journal of Physics</i> , 2021, 23, 063046.	2.9	7
13	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. <i>Chemical Engineering Science</i> , 2019, 195, 1010-1020.	3.8	6
14	Robust control of quantum dynamics under input and parameter uncertainty. <i>Physical Review A</i> , 2021, 104, .	2.5	4
15	Robust observable control of open and closed quantum systems. <i>Journal of Physics A: Mathematical and Theoretical</i> , 2022, 55, 225301.	2.1	1