

Stabilization and spheroidization of ammonium nitrate ethers and spherical crystallization by solvent screening

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Citation Report

#	ARTICLE	IF	CITATIONS
1	Large-Scale Crystallization of a Pure Metastable Polymorph by Reaction Coupling. <i>Organic Process Research and Development</i> , 2014, 18, 539-545.	1.3	19
2	Kinetics of co-crystal formation with caffeine and citric acid via liquid-assisted grinding analyzed using the distinct element method. <i>European Journal of Pharmaceutical Sciences</i> , 2015, 76, 217-224.	1.9	37
3	Crown ether metal complex fluoride salt as a facile and low hygroscopic fluoride source for nucleophilic fluorination. <i>Chemical Engineering Journal</i> , 2015, 270, 36-40.	6.6	26
4	Direct co-crystal assembly from synthesis to co-crystallization. <i>CrystEngComm</i> , 2015, 17, 9002-9006.	1.3	13
5	Synthesis and characterization of multi-walled carbon nanotubes-supported dibenzo-14-crown-4 ether with proton ionizable carboxyl sidearm as Li ⁺ adsorbents. <i>Chemical Engineering Journal</i> , 2015, 264, 89-98.	6.6	56
6	Cocrystals of ammonium perchlorate with a series of crown ethers: preparation, structures, and properties. <i>CrystEngComm</i> , 2016, 18, 8487-8496.	1.3	26
7	Highly energetic compositions based on functionalized carbon nanomaterials. <i>Nanoscale</i> , 2016, 8, 4799-4851.	2.8	290
8	A quick-fix design of phase change material by particle blending and spherical agglomeration. <i>Applied Energy</i> , 2017, 191, 239-250.	5.1	27
9	Ammonium Nitrate as an Eco-Friendly Oxidizer for Composite Solid Propellants: Promises and Challenges. <i>Critical Reviews in Solid State and Materials Sciences</i> , 2017, 42, 470-498.	6.8	55
10	The effect of cellulose derivatives on the phase transition and thermal behavior of ammonium nitrate. <i>Journal of Thermal Analysis and Calorimetry</i> , 2017, 128, 1049-1056.	2.0	11
11	Recent advances in new oxidizers for solid rocket propulsion. <i>Green Chemistry</i> , 2017, 19, 4711-4736.	4.6	178
12	Round Granules of Dimethyl Fumarate by Three-in-One Intensified Process of Reaction, Crystallization, and Spherical Agglomeration in a Common Stirred Tank. <i>Organic Process Research and Development</i> , 2017, 21, 1326-1339.	1.3	12
13	Solvent-Mediated Nonoriented Self-Aggregation Transformation: A Case Study of Gabapentin. <i>Crystal Growth and Design</i> , 2017, 17, 4207-4216.	1.4	13
14	Reduction of Dust Emission by Monodisperse System Technology for Ammonium Nitrate Manufacturing. <i>Processes</i> , 2017, 5, 37.	1.3	13
15	Intensified Crystallization Processes for 1:1 Drug-Drug Cocrystals of Sulfathiazole-Theophylline, and Sulfathiazole-Sulfanilamide. <i>Crystal Growth and Design</i> , 2018, 18, 1339-1349.	1.4	20
16	Ammonium nitrate-MOF-199: A new approach for phase stabilization of ammonium nitrate. <i>Thermochimica Acta</i> , 2018, 667, 148-152.	1.2	12
17	Achieving Balanced Energetics through Cocrystallization. <i>Angewandte Chemie - International Edition</i> , 2019, 58, 17185-17188.	7.2	62
18	Achieving Balanced Energetics through Cocrystallization. <i>Angewandte Chemie</i> , 2019, 131, 17345-17348.	1.6	8

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19	Spherical Cocrystallization – An Enabling Technology for the Development of High Dose Direct Compression Tablets of Poorly Soluble Drugs. <i>Crystal Growth and Design</i> , 2019, 19, 2503-2510.	1.4	27
20	Burning properties of redox crystals of ammonium nitrate and saccharides. <i>Combustion and Flame</i> , 2020, 213, 132-139.	2.8	13
21	Development of piroxicam mini-tablets enabled by spherical cocrystallization. <i>International Journal of Pharmaceutics</i> , 2020, 590, 119953.	2.6	22
22	Synthesis, characterization and thermal decomposition behavior of a novel HNTO/AN co-crystal as a promising rocket propellant oxidizer. <i>Chemical Engineering Journal</i> , 2021, 417, 128010.	6.6	50
23	Development and Evolution of Energetic Cocrystals. <i>Accounts of Chemical Research</i> , 2021, 54, 1699-1710.	7.6	82
24	Lamellar Architecture Affords Salt Cocrystals with Tunable Stoichiometry. <i>Crystal Growth and Design</i> , 2021, 21, 3540-3546.	1.4	5
25	Effects of Scale-Up and Impeller Types on Spherical Agglomeration of Dimethyl Fumarate. <i>Industrial & Engineering Chemistry Research</i> , 2021, 60, 11555-11567.	1.8	7
26	Co-Crystallization Kinetics of 2:1 Benzoic Acid – Sodium Benzoate Co-Crystal: The Effect of Templating Molecules in a Solution. <i>Crystals</i> , 2021, 11, 812.	1.0	3
27	Phase Stability of Ammonium Nitrate with Organic Potassium Salts. <i>Central European Journal of Energetic Materials</i> , 2016, 13, 736-754.	0.5	21
28	Optimized energetic HNTO/AN co-crystal and its thermal decomposition kinetics in the presence of energetic coordination nanomaterials based on functionalized graphene oxide and cobalt. <i>RSC Advances</i> , 2021, 11, 35287-35299.	1.7	29
29	Decreasing the hygroscopicity of ammonium dinitramide (ADN) through cocrystallization. <i>Energetic Materials Frontiers</i> , 2022, 3, 84-89.	1.3	11
30	Performance and Sensitivity Properties of Solid Heterogeneous Rocket Propellant Based on a Binary System of Oxidizers (PSAN and AP). <i>Processes</i> , 2021, 9, 2201.	1.3	1
31	Insight into the Thermodynamic Properties of Promising Energetic HNTO – AN Co-Crystal: Heat Capacity, Combustion Energy, and Formation Enthalpy. <i>Energies</i> , 2022, 15, 6722.	1.6	11
32	Progress in Predicting Ionic Cocrystal Formation: The Case of Ammonium Nitrate. <i>Chemistry - A European Journal</i> , 2023, 29, .	1.7	2
33	Anti-hygroscopicity technologies for ammonium dinitramide: A review**. <i>Propellants, Explosives, Pyrotechnics</i> , 2023, 48, .	1.0	6