Jinjiang Xu

List of Publications by Year
in descending order

31 papers	733 citations	687363 13 h-index	526287 27 g-index
31 all docs	31 docs citations	31 times ranked	559 citing authors

#	Article	IF	Citations
1	Five Energetic Cocrystals of BTF by Intermolecular Hydrogen Bond and Ï€-Stacking Interactions. Crystal Growth and Design, 2013, 13, 679-687.	3.0	167
2	Occupancy Model for Predicting the Crystal Morphologies Influenced by Solvents and Temperature, and Its Application to Nitroamine Explosives. Crystal Growth and Design, 2013, 13, 282-290.	3.0	70
3	Comparative Study of Experiments and Calculations on the Polymorphisms of 2,4,6,8,10,12-Hexanitro-2,4,6,8,10,12-hexaazaisowurtzitane (CL-20) Precipitated by Solvent/Antisolvent Method. Journal of Physical Chemistry C, 2016, 120, 5042-5051.	3.1	51
4	Hostâ€“guest energetic materials constructed by incorporating oxidizing gas molecules into an organic lattice cavity toward achieving highly-energetic and low-sensitivity performance. Chemical Communications, 2019, 55, 909-912.	4.1	50
5	Polymorphism in hexanitrohexaazaisowurtzitane crystallized from solution. Journal of Crystal Growth, 2012, 354, 13-19.	1.5	48
6	Transitions from Separately Crystallized CL-20 and HMX to CL-20/HMX Cocrystal Based on Solvent Media. Crystal Growth and Design, 2018, 18, 77-84.	3.0	42
7	Crystal structure transformation and step-by-step thermal decomposition behavior of dihydroxylammonium 5,5â€²-bistetrazole-1,1â€²-diolate. RSC Advances, 2017, 7, 49105-49113.	3.6	35
8	Three Energetic 2,2â€²,4,4â€²,6,6â€²-Hexanitrostilbene Cocrystals Regularly Constructed by H-bonding, Ï€-Stacking, and van der Waals Interactions. Crystal Growth and Design, 2018, 18, 1940-1943.	3.0	31
9	From a Novel Energetic Coordination Polymer Precursor to Diverse Mn₂O₃ Nanostructures: Control of Pyrolysis Products Morphology Achieved by Changing the Calcination Atmosphere. Crystal Growth and Design, 2016, 16, 6849-6857.	3.0	30
10	High-Yielding and Continuous Fabrication of Nanosized CL-20-Based Energetic Cocrystals via Electrospraying Deposition. Crystal Growth and Design, 2018, 18, 2121-2128.	3.0	23
11	Experimental and Theoretical Study on the Stability of CL-20-Based Hostâ€“Guest Energetic Materials. Journal of Physical Chemistry A, 2020, 124, 6389-6398.	2.5	16
12	Characterization of Crystal Microstructure Based on Small Angle X-ray Scattering (SAXS) Technique. Molecules, 2020, 25, 443.	3.8	16
13	Two Novel Melt-Cast Cocrystal Explosives Based on 2,4-Dinitroanisole with Significantly Decreased Melting Point. Crystal Growth and Design, 2019, 19, 6826-6830.	3.0	15
14	Investigation on the thermal expansion of Î±-CL-20 with different water contents. Journal of Thermal Analysis and Calorimetry, 2015, 122, 1355-1364.	3.6	14
15	Thermally Induced Polymorphic Transformation of Hexanitrohexaazaisowurtzitane (HNIW) Investigated by in-situ X-ray Powder Diffraction. Central European Journal of Energetic Materials, 2016, 13, 1023-1037.	0.4	14
16	The Temperature-Dependent Thermal Expansion of 2,6-Diamino-3,5-dinitropyrazine-1-oxide Effected by Hydrogen Bond Network Relaxation. Journal of Energetic Materials, 2016, 34, 170-182.	2.0	12
17	An experimental and theoretical study on the growth of plate-like Î²-HMX crystals in the hydroxylated interlayer space. Physical Chemistry Chemical Physics, 2021, 23, 12340-12349.	2.8	11
18	Smart Hostâ€“Guest Energetic Material Constructed by Stabilizing Energetic Fuel Hydroxylamine in Lattice Cavity of 2,4,6,8,10,12-Hexanitrohexaazaisowurtzitane Significantly Enhanced the Detonation, Safety, Propulsion, and Combustion Performances. ACS Applied Materials & Interfaces, 2021, 13, 61324-61333.	8.0	11

#	Article	IF	Citations
19	Porous Cyclotrimethylenetrinitramine with Reduced Sensitivity Prepared by a Solvationâ€“Desolvation Method. Crystal Growth and Design, 2020, 20, 5387-5394.	3.0	9
20	Ultra-incompressibility and high energy density of ReN8 with infinite nitrogen chains. Journal of Materials Science, 2021, 56, 3814-3826.	3.7	9
21	Porous structure and reduced sensitivity of 2,2â€™,4,4â€™,6,6â€™-hexanitrostilbene (HNS) prepared by different solvation and desolvation methods. Journal of Energetic Materials, 2020, 38, 35-47.	2.0	8
22	Growth of 2D Plate-Like HMX Crystals on Hydrophilic Substrate. Crystal Growth and Design, 2014, 14, 2172-2178.	3.0	7
23	Stability of Dihydroxylammonium 5,5â€™â€Bistetrazoleâ€1,1â€™â€Diolate (TKXâ€50) in Solvents. Propellants, Explosives, Pyrotechnics, 2019, 44, 989-999.	1.6	7
24	Design, preparation, characterization and formation mechanism of a novel kinetic CL-20-based cocrystal. Acta Crystallographica Section B: Structural Science, Crystal Engineering and Materials, 2019, 75, 310-317.	1.1	7
25	The competition between cocrystallization and separated crystallization based on crystallization from solution. Journal of Applied Crystallography, 2019, 52, 769-776.	4.5	6
26	Characterization of Interfacial Microâ€Structures of Explosiveâ€Binder Composites by Gas Permeation. Propellants, Explosives, Pyrotechnics, 2019, 44, 1160-1166.	1.6	5
27	Î³-Irradiation Induced Decomposition of Polydopamine Nanoparticles under Ambient Condition. Chemistry Letters, 2019, 48, 426-428.	1.3	5
28	Effect of metal ion impurities on the crystallization and thermal properties of HMX. Journal of Thermal Analysis and Calorimetry, 2022, 147, 6109-6118.	3.6	5
29	Pressure-Induced In Situ Construction of P-CO/HNIW Explosive Composites with Excellent Laser Initiation and Detonation Performance. ACS Applied Materials & Interfaces, 2021, 13, 20718-20727.	8.0	4
30	Investigation on the Evolution of Nano-Scale Defects of CL-20 Crystals under Thermal Treatment by Wide/Small-Angle X-ray Scattering. Materials, 2022, 15, 4258.	2.9	3
31	Hostâ€“guest energetic materials: a promising strategy of incorporating small insensitive molecule into the lattice cavities of 2,4,6,8,10,12-hexanitrohexaazaisowurtzitane to enhance the safety on the premise of maintaining the excellent energy density. CrystEngComm, 2022, 24, 3409-3415.	2.6	2