

# Jinjiang Xu

## List of Publications by Year in descending order

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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	Effect of metal ion impurities on the crystallization and thermal properties of HMX. <i>Journal of Thermal Analysis and Calorimetry</i> , 2022, 147, 6109-6118.	3.6	5
2	Host-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. <i>CrystEngComm</i> , 2022, 24, 3409-3415.	2.6	2
3	Investigation on the Evolution of Nano-Scale Defects of CL-20 Crystals under Thermal Treatment by Wide/Small-Angle X-ray Scattering. <i>Materials</i> , 2022, 15, 4258.	2.9	3
4	Ultra-incompressibility and high energy density of ReN <sub>8</sub> with infinite nitrogen chains. <i>Journal of Materials Science</i> , 2021, 56, 3814-3826.	3.7	9
5	Pressure-Induced In Situ Construction of P-CO/HNIW Explosive Composites with Excellent Laser Initiation and Detonation Performance. <i>ACS Applied Materials &amp; Interfaces</i> , 2021, 13, 20718-20727.	8.0	4
6	An experimental and theoretical study on the growth of plate-like $\beta^2$ -HMX crystals in the hydroxylated interlayer space. <i>Physical Chemistry Chemical Physics</i> , 2021, 23, 12340-12349.	2.8	11
7	Smart Host-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. <i>ACS Applied Materials &amp; Interfaces</i> , 2021, 13, 61324-61333.	8.0	11
8	Porous structure and reduced sensitivity of 2,2,4,4,6,6-hexanitrostilbene (HNS) prepared by different solvation and desolvation methods. <i>Journal of Energetic Materials</i> , 2020, 38, 35-47.	2.0	8
9	Experimental and Theoretical Study on the Stability of CL-20-Based Host-Guest Energetic Materials. <i>Journal of Physical Chemistry A</i> , 2020, 124, 6389-6398.	2.5	16
10	Porous Cyclotrimethylenetrinitramine with Reduced Sensitivity Prepared by a Solvation-Desolvation Method. <i>Crystal Growth and Design</i> , 2020, 20, 5387-5394.	3.0	9
11	Characterization of Crystal Microstructure Based on Small Angle X-ray Scattering (SAXS) Technique. <i>Molecules</i> , 2020, 25, 443.	3.8	16
12	Host-guest energetic materials constructed by incorporating oxidizing gas molecules into an organic lattice cavity toward achieving highly-energetic and low-sensitivity performance. <i>Chemical Communications</i> , 2019, 55, 909-912.	4.1	50
13	Characterization of Interfacial Microstructures of Explosive-Binder Composites by Gas Permeation. <i>Propellants, Explosives, Pyrotechnics</i> , 2019, 44, 1160-1166.	1.6	5
14	Stability of Dihydroxylammonium 5,5-bistetrazole-1,1-diolate (TKX-50) in Solvents. <i>Propellants, Explosives, Pyrotechnics</i> , 2019, 44, 989-999.	1.6	7
15	Design, preparation, characterization and formation mechanism of a novel kinetic CL-20-based cocrystal. <i>Acta Crystallographica Section B: Structural Science, Crystal Engineering and Materials</i> , 2019, 75, 310-317.	1.1	7
16	$\beta^3$ -Irradiation Induced Decomposition of Polydopamine Nanoparticles under Ambient Condition. <i>Chemistry Letters</i> , 2019, 48, 426-428.	1.3	5
17	Two Novel Melt-Cast Cocrystal Explosives Based on 2,4-Dinitroanisole with Significantly Decreased Melting Point. <i>Crystal Growth and Design</i> , 2019, 19, 6826-6830.	3.0	15
18	The competition between cocrystallization and separated crystallization based on crystallization from solution. <i>Journal of Applied Crystallography</i> , 2019, 52, 769-776.	4.5	6

#	ARTICLE	IF	CITATIONS
19	Three Energetic 2,2,4,4,6,6-Hexanitrostilbene Cocrystals Regularly Constructed by H-bonding, $\pi$ -Stacking, and van der Waals Interactions. <i>Crystal Growth and Design</i> , 2018, 18, 1940-1943.	3.0	31
20	High-Yielding and Continuous Fabrication of Nanosized CL-20-Based Energetic Cocrystals via Electro spraying Deposition. <i>Crystal Growth and Design</i> , 2018, 18, 2121-2128.	3.0	23
21	Transitions from Separately Crystallized CL-20 and HMX to CL-20/HMX Cocrystal Based on Solvent Media. <i>Crystal Growth and Design</i> , 2018, 18, 77-84.	3.0	42
22	Crystal structure transformation and step-by-step thermal decomposition behavior of dihydroxylammonium 5,5-bistetrazole-1,1-diolate. <i>RSC Advances</i> , 2017, 7, 49105-49113.	3.6	35
23	From a Novel Energetic Coordination Polymer Precursor to Diverse Mn <sub>2</sub> O <sub>3</sub> Nanostructures: Control of Pyrolysis Products Morphology Achieved by Changing the Calcination Atmosphere. <i>Crystal Growth and Design</i> , 2016, 16, 6849-6857.	3.0	30
24	The Temperature-Dependent Thermal Expansion of 2,6-Diamino-3,5-dinitropyrazine-1-oxide Effected by Hydrogen Bond Network Relaxation. <i>Journal of Energetic Materials</i> , 2016, 34, 170-182.	2.0	12
25	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. <i>Journal of Physical Chemistry C</i> , 2016, 120, 5042-5051.	3.1	51
26	Thermally Induced Polymorphic Transformation of Hexanitrohexaazaisowurtzitane (HNIW) Investigated by in-situ X-ray Powder Diffraction. <i>Central European Journal of Energetic Materials</i> , 2016, 13, 1023-1037.	0.4	14
27	Investigation on the thermal expansion of $\hat{\pm}$ -CL-20 with different water contents. <i>Journal of Thermal Analysis and Calorimetry</i> , 2015, 122, 1355-1364.	3.6	14
28	Growth of 2D Plate-Like HMX Crystals on Hydrophilic Substrate. <i>Crystal Growth and Design</i> , 2014, 14, 2172-2178.	3.0	7
29	Occupancy Model for Predicting the Crystal Morphologies Influenced by Solvents and Temperature, and Its Application to Nitroamine Explosives. <i>Crystal Growth and Design</i> , 2013, 13, 282-290.	3.0	70
30	Five Energetic Cocrystals of BTF by Intermolecular Hydrogen Bond and $\pi$ -Stacking Interactions. <i>Crystal Growth and Design</i> , 2013, 13, 679-687.	3.0	167
31	Polymorphism in hexanitrohexaazaisowurtzitane crystallized from solution. <i>Journal of Crystal Growth</i> , 2012, 354, 13-19.	1.5	48