

Qian Xiao

List of Publications by Year in descending order

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#	ARTICLE	IF	CITATIONS
1	Metal-organic framework-derived Ni/ZnO nano-sponges with delicate surface vacancies as anode materials for high-performance supercapacitors. <i>Nano Research</i> , 2021, 14, 4063-4072.	10.4	38
2	Polymorphic crystals selected in the nucleation stage. <i>Europhysics Letters</i> , 2014, 107, 46002.	2.0	14
3	Theoretical calculation into the structures, stability, sensitivity, and mechanical properties of 2,4,6,8,10,12-hexanitro-2,4,6,8,10,12 hexaazaisowurtzitan (CL-20)/1-amino-3-methyl-1,2,3-triazoliumnitrate (1-AMTN) cocrystal and its mixture. <i>Structural Chemistry</i> , 2020, 31, 647-655.	2.0	13
4	Hybrid density functional theory for the stability and electronic properties of Fe-doped cluster defects in KDP crystal. <i>CrystEngComm</i> , 2021, 23, 7839-7845.	2.6	13
5	Fabrication of uniform urchin-like N-doped NiCo ₂ O ₄ @C hollow nanostructures for high performance supercapacitors. <i>RSC Advances</i> , 2019, 9, 42110-42119.	3.6	11
6	Wall-induced phase transition controlled by layering freezing. <i>Physical Review E</i> , 2014, 89, 032412.	2.1	9
7	Freezing of Lennard-Jones fluid on a patterned substrate. <i>Physical Review E</i> , 2014, 89, 062410.	2.1	9
8	Gas Releasing Mechanism of LLM-105 Using Two-Dimensional Correlation Infrared Spectroscopy. <i>Propellants, Explosives, Pyrotechnics</i> , 2019, 44, 1375-1383.	1.6	8
9	Theoretical calculation into the effect of molar ratio on the structures, stability, mechanical properties and detonation performance of 1,3,5,7-tetranitro-1,3,5,7-tetrazocane/1,3,5-trinitro-1,3,5-triazacyco-hexane cocrystal. <i>Journal of Molecular Modeling</i> , 2019, 25, 299.	1.8	7
10	Application of a multi-channel in-situ infrared spectroscopy: The case of LLM-105. <i>Spectrochimica Acta - Part A: Molecular and Biomolecular Spectroscopy</i> , 2020, 240, 118577.	3.9	6
11	Comparative investigation on the thermostability, sensitivity, and mechanical performance of RDX/HMX energetic cocrystal and its mixture. <i>Journal of Molecular Modeling</i> , 2020, 26, 176.	1.8	5
12	Structure and Magnetic Properties of Er _x Fe _{1-x} Mn ₁₂ As ₄ (7.0 ≤ x ≤ 9.0, $\hat{\Gamma}$ x = 0.2). <i>Nanomaterials</i> , 2022, 12, 15864.		4
13	Effect of Cu on the boron segregation at grain boundaries and vacancy-type defects in ultra-low carbon micro-alloy steels. <i>Science China Technological Sciences</i> , 2014, 57, 1135-1141.	4.0	3