

CITATION REPORT

List of articles citing

A far- and mid-infrared study of HMX
(octahydro-1,3,5,7-tetranitro-1,3,5,7-tetrazocine) under
high pressure

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| # | Paper | IF | Citations |
|----|---|-----|-----------|
| 27 | The great diversity of HMX conformers: probing the potential energy surface using CCSD(T). <i>Journal of Physical Chemistry A</i> , 2013 , 117, 3467-74 | 2.8 | 12 |
| 26 | Coupled thermal and electromagnetic induced decomposition in the molecular explosive HMX; a reactive molecular dynamics study. <i>Journal of Physical Chemistry A</i> , 2014 , 118, 885-95 | 2.8 | 72 |
| 25 | Theoretical study of the thermodynamic properties, phase transition wave, and phase transition velocity for octahydro-1,3,5,7-tetranitro-1,3,5,7-tetrazocine. <i>Journal of Applied Physics</i> , 2015 , 118, 115901-5 | 2.5 | 3 |
| 24 | A comparative study of 1,3,5-Trinitroperhydro-1,3,5-triazine (RDX) and Octahydro-1,3,5,7-tetranitro-1,3,5,7-tetrazocine (HMX) under high pressures using Raman spectroscopy and DFT calculations. <i>Journal of Molecular Structure</i> , 2016 , 1119, 240-249 | 3.4 | 14 |
| 23 | Phase Transition in Octahydro-1,3,5,7-tetranitro-1,3,5,7-tetrazocine (HMX) under Static Compression: An Application of the First-Principles Method Specialized for CHNO Solid Explosives. <i>Journal of Physical Chemistry B</i> , 2016 , 120, 11510-11522 | 3.4 | 37 |
| 22 | Nonequilibrium Reaction Kinetics in Molecular Solids. <i>Journal of Physical Chemistry C</i> , 2016 , 120, 542-552 | 3.8 | 12 |
| 21 | Distribution and formation of particles produced by laser ablation of cyclotetramethylene tetranitramine. <i>Laser and Particle Beams</i> , 2017 , 35, 391-396 | 0.9 | 4 |
| 20 | Heat-Induced Solid-Solid Phase Transformation of TKX-50. <i>Journal of Physical Chemistry C</i> , 2017 , 121, 8262-8271 | 3.8 | 28 |
| 19 | Dynamic evolutions of electron properties: A theoretical study for condensed-phase HMX under shock loading. <i>Chemical Physics Letters</i> , 2017 , 687, 200-204 | 2.5 | 6 |
| 18 | RDX- and HMX-Related Anionic Species Explored by Photoelectron Spectroscopy and Density Functional Theory. <i>Journal of Physical Chemistry C</i> , 2018 , 122, 22317-22329 | 3.8 | 3 |
| 17 | Numerical simulation analyses of β - α phase transition for a finite-sized HMX single crystal subjected to thermal loading. <i>RSC Advances</i> , 2018 , 8, 24873-24882 | 3.7 | 4 |
| 16 | Comprehensive Study of the Interaction and Mechanism between Bistetrazole Ionic Salt and Ammonium Nitrate Explosive in Thermal Decomposition. <i>Journal of Physical Chemistry C</i> , 2019 , 123, 27286-27294 | 3.8 | 4 |
| 15 | Difference in the Thermal Stability of Polymorphic Organic Crystals: A Comparative Study of the Early Events of the Thermal Decay of 2,4,6,8,10,12-Hexanitro-2,4,6,8,10,12-hexaazaisowurtzitane (CL-20) Polymorphs under the Volume Constraint Condition. <i>Journal of Physical Chemistry C</i> , 2019 , 123, 16565-16576 | 3.8 | 18 |
| 14 | Heat-Induced Polymorphic Transformation Facilitating the Low Impact-Sensitivity of 2,2-Dinitroethylene-1,1-diamine (FOX-7). <i>Journal of Physical Chemistry C</i> , 2019 , 123, 16014-16022 | 3.8 | 16 |
| 13 | Phase transitions and chemical reactions of octahydro-1,3,5,7-tetranitro-1,3,5,7-tetrazocine under high pressure and high temperature.. <i>RSC Advances</i> , 2019 , 9, 5825-5833 | 3.7 | 9 |
| 12 | Influences of pressure on structural and electronic properties of four types of HMX. <i>Journal of Molecular Modeling</i> , 2019 , 25, 63 | 2 | 2 |
| 11 | Phase Confirmation and Equation of State of HMX under 40 GPa. <i>Journal of Physical Chemistry C</i> , 2019 , 123, 30121-30128 | 3.8 | 3 |

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| 10 | Possible pre-phase transition of the β -HMX crystal observed by the variation of hydrogen-bonding network under high pressures. <i>CrystEngComm</i> , 2020 , 22, 330-348 | 3.3 | 4 |
| 9 | Coupling effect of high temperature and pressure on the decomposition mechanism of crystalline HMX. <i>Energetic Materials Frontiers</i> , 2020 , 1, 90-94 | 3.3 | 1 |
| 8 | β - α phase transition and initial decomposition of HMX nanoparticle from reactive molecular dynamics simulations. <i>Journal of Nanoparticle Research</i> , 2020 , 22, 1 | 2.3 | 2 |
| 7 | Anisotropic mechanical-thermal-phase transformation response of cyclotetramethylene tetranitramine (HMX) single crystal under ramp loading. <i>International Journal of Solids and Structures</i> , 2020 , 200-201, 170-187 | 3.1 | 3 |
| 6 | Phase Transition Routes for β and β -CL-20 Crystals under High Pressures of up to 60 GPa. <i>Journal of Physical Chemistry C</i> , 2020 , 124, 5061-5068 | 3.8 | 5 |
| 5 | Polymorph-Dependent Initial Thermal Decay Mechanism of Energetic Materials: A Case of 1,3,5,7-Tetranitro-1,3,5,7-Tetrazocane. <i>Journal of Physical Chemistry C</i> , 2021 , 125, 10057-10067 | 3.8 | 4 |
| 4 | Temperature Evolution of Optical Behaviors of β -HMX Single Crystals from Spectroscopy Ellipsometry. <i>Journal of Physical Chemistry C</i> , 2021 , 125, 12390-12397 | 3.8 | 1 |
| 3 | Phase transition of HMX and RDX by low wavenumber Raman vibrations under high pressure. <i>Journal of Molecular Liquids</i> , 2021 , 336, 116177 | 6 | 1 |
| 2 | Theoretical Study of the Phonon Scattering Probabilities and Thermodynamic Properties for Vacancy in Explosive. <i>Propellants, Explosives, Pyrotechnics</i> , 2021 , 46, 1815 | 1.7 | |
| 1 | Imparting high polymorph transition resistance to cyclotetramethylene-tetranitramine via spherulitic aggregation enabled crystal shape constraint. 2023 , 452, 139602 | | 0 |