

List of Publications:

1. **Mohammad Khan**, Anirban Pal and Catalin R. Picu, *Dislocation mobility and critical stresses at finite temperatures in molecular crystal cyclotetramethylene tetranitramine (β -HMX)*, Modelling and Simulation in Materials Science and Engineering, vol. 26, pp. 085009 (2018).
2. **Mohammad Khan** and Catalin R. Picu, *Dislocation cross slip in molecular crystal cyclotetramethylene tetranitramine (β -HMX)*, Journal of Applied Physics, vol. 126, pp. 155105 (2019).
3. **Mohammad Khan** and Catalin R. Picu, *Line energy and line tension in molecular crystal cyclotetramethylene tetranitramine (β -HMX)*, Journal of Applied Physics, vol. 127, pp. 055108 (2020).
4. **Mohammad Khan**, and Catalin R. Picu, *Shear localization in molecular crystal cyclotetramethylene-tetranitramine (β -HMX): Constitutive behavior of the shear band*, Journal of applied Physics, vol. 128, pp. 105902, (2020).
5. **Mohammad Khan**, and Catalin R. Picu, *Strength of dislocation junctions in cyclotetramethylene-tetranitramine (β -HMX): A line tension based investigation*, (Under Preparation).