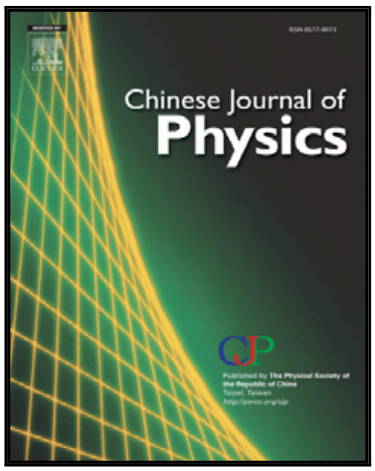

The effect of pressure variation on the elasticity and thermodynamic properties of $CaLiF_3$ for low birefringent lens materials

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Highlights

- The idea is to improve the mechanical stability of $CaLiF_3$ under compression.
- The pressure-induced thermodynamic effects on the expansion coefficient, heat capacities and Debye temperature are predicted.
- The results are compared with the previously reported experimental and theoretical values.