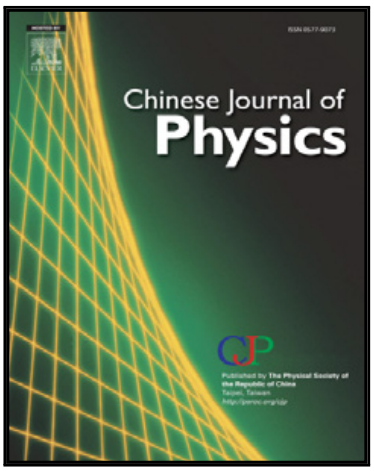


# Growth, Morphology, Optical, Thermal, Mechanical And Electrical Studies Of A Cesium Chloride Doped L-Alanine Single Crystal

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**Highlights**

- A cesium doped L-alanine (LACC) single crystals was grown by solvent evaporation at constant temperature.
- The crystalstructure was confirmed by single crystal and powder XRD study.
- It has a lower wavelength cutoff at around 215nm.
- The optical band gap of the crystal was calculated and it is **5.64eV**.
- The LACC crystal shows improved optical transparency, SHG efficiency, mechanical and thermal stability.