

# **ELECTRONIC STRUCTURE AND LATTICE DYNAMICS OF THE $\alpha$ -ZnCl<sub>2</sub> CRYSTAL**

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The electronic energy spectrum of the crystal and its sublattices of the crystalline  $\alpha$ -phase of zinc chloride, the density of states, the total and deformation density of the charge distribution of valence electrons are calculated from the first principles using the density functional method. Optical vibrational modes are also calculated.

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