



The Structural, Electronic, Magnetic, and Optical Properties of CsTe Monolayer: Effects of the Biaxial Strain and Electrical Field

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[Jabbar M. Khalaf Al-zyadi](#) , [Ahmed Hamad Ati](#), [Ammar A. Kadhim](#) & [Furat A. Al-Saymari](#)

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Abstract

Herein we report intrinsic ferromagnetism in a two-dimensional layer for the hexagonal monolayer of CsTe based on first-principles calculations. The aim of this work is to explore the structural, electronic, magnetic, and optical properties of the monolayer of CsTe. To achieve this goal, we systematically investigate the effect of biaxial strain and electric field