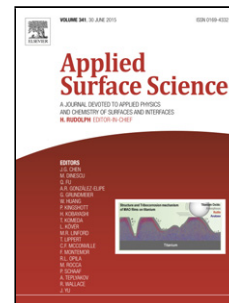


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Quaternary schematics for property engineering of CdSe thin films

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Highlights

- Property engineering of CdSe thin films through quaternary schematics is realized.
- Colorimetric studies revealed that cadmium is responsible for the lightness.
- Raman spectra supports formation of quaternary Cd(Zn, S)Se thin films
- XPS analysis revealed chemical states of the elements as Cd²⁺, Zn²⁺, S²⁻ and Se²⁻
- AFM study revealed samples to be crystalline with platykurtic nature of the surface.

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