Fabrication of Cu₂ZnSnS_{4-x}Se_x thin films

by a non-vacuum, nanoparticle-based approach

Objective

Preparation of high quality Cu₂ZnSnS_{4-x}Se_x (CZTSSe) thin films by a low-cost, non-vacuum approach.





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Advantages

•Providing a possibility to fabricate CZTSSe solar cells with low cost.

•CZTSSe is a rare-metal free material with low toxicity towards the enviroment.







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