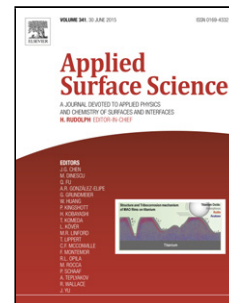


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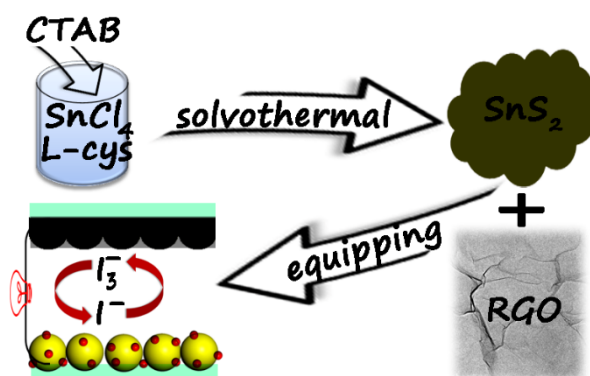
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Graphical_Abstract



SnS_2 -based materials, with graphene assistance by simple physical mixing, as catalyst used in the counter electrodes of dye-sensitized solar cell.

Highlights

- The nanosheet-assembled SnS_2 microspheres were synthesized.
- The photovoltaic properties of nanosheet-assembled SnS_2 microspheres physically mixed with graphene were first investigated.
- The excellent conductivity of the graphene and the superior electrocatalytic activity of the tin sulfide provide good performances of the device.
- The results showed that the conversion efficiency reached to 7.46% with the addition of 6 wt% reduced graphene.

Graphene Assistance Enhanced Dye-sensitized Solar Cell Performance of Tin Sulfide Microspheres

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