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Title: Solution-Based Spin-Coated Tin Sulfide Thin Films for Photovoltaic and Supercapacitor Applications

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Solution-Based Spin-Coated Tin Sulfide Thin Films for Photovoltaic and Supercapacitor Applications

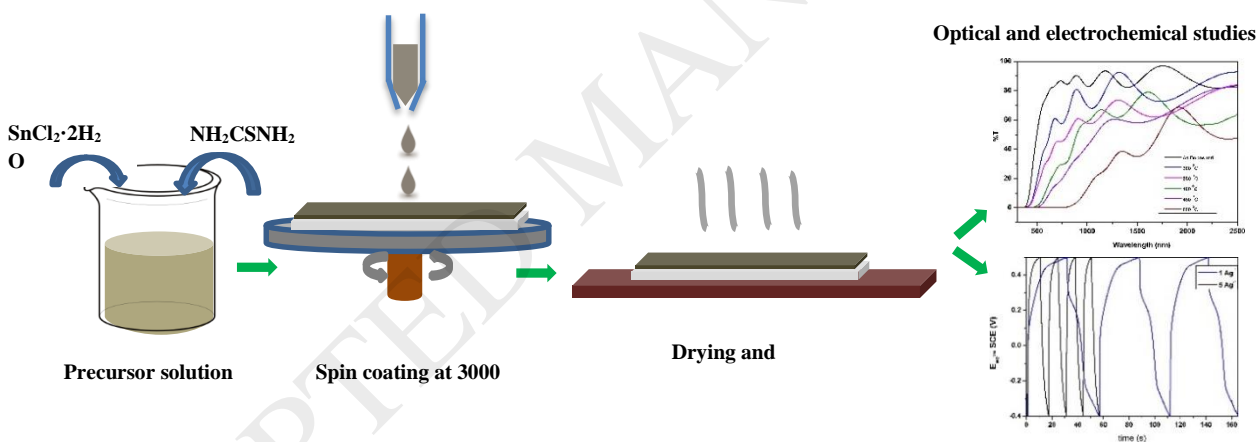
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Graphical abstract



Highlights:

- Tin sulfide (SnS_x) thin films were prepared by solution-based spin coating.
- The SnS_x films annealed at 500 °C exhibited a pure SnS phase.
- The films exhibited direct band gap of 1.4 eV which is near to solar maximum.
- The films with the pure SnS phase exhibited a specific capacitance of 42 F g⁻¹.

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