



## Microstructural properties of ZnO :Sn thin films deposited by intermittent spray pyrolysis process

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Résumé en anglais	<p>Zinc oxide films have been prepared via spray pyrolysis using a perfume atomizer. ZnCl<sub>2</sub> has been used as precursor. The influence of the precursor solution and dopant concentration has been investigated. Homogeneous films are obtained with a precursor concentration ranging between 0.3 and 0.4 M and a SnCl<sub>2</sub> dopant concentration of 1–2%. The films exhibit broad band gaps and small conductivity. The microstructural properties of these films have been compared with that of films deposited using a classical nozzle. Films deposited by perfume atomizer are rougher, with smaller grain size, compared to films deposited with a classical nozzle.</p>
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- [6] <http://okina.univ-angers.fr/c.berneade/publications>
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