

الجمهورية الجزائرية الديمقراطية الشعبية  
وزارة التعليم العالي و البحث العلمي

Université Abou Bekr Belkaid  
Tlemcen Algérie



جامعة أبي بكر بلقايد

**titre:**

*influence of the substrate tilt on the morphological and  
optical properties of reactively sputter-deposited TiO<sub>2</sub> coatings  
dedicated to dye sensitized solar cells*

**auteur :**

*Dr abdellah benyoucef*

***Résumé***

*titanium dioxide thin films in anatase phase with columnar morphology have been reactively sputter deposited on glass slides and ITO substrates at high deposition rates (15-30 nm/min) using plasma emission monitoring system (PEM). Thus, oxygen flow rate has been monitored in order to keep Ti emission signal at 20% from those obtained in a pure argon discharge..*

***Abstract***

***Source :***

*CSM8-ISM5 international conference for oral presentation*