

الجمهورية الجزائرية الديمقراطية الشعبية  
وزارة التعليم العالي و البحث العلمي

Université Abou Bekr Belkaid  
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جامعة أبي بكر بلقايد

تلمسان الجزائر

**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 :**

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**Résumé :**

*THE DIRECT incorporation of keggin-type heteropoly acid h<sub>3</sub>pw<sub>12</sub>O<sub>40</sub> (PW) in a mesoporous organized silica molecular sieve during the synthesis was studied*

**Mots clefs :**

*heteropoly acid, mesoporous molecular sieve, silica, direct incorporation, acidic media*

**source:**

*eigth international conference on material sciences(CSM8)-ISM5), UNESCO palace, Beirut-lebanon, may28-30,2012*