

**عنوان مقاله:**

persistent hydrophilicity for TiO<sub>3</sub> thin films by SiO<sub>2</sub> over nanolayers

**محل انتشار:**

اولین همایش سراسری توسعه پایدار در نانو مواد، نانو ساختار و نانو تکنولوژی (سال: 1395)

تعداد صفحات اصل مقاله: 8

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**خلاصه مقاله:**

SiO<sub>2</sub> thin layers thicknesses 1,5,10,18nm on TiO<sub>2</sub> thin layer in thickness 79 nm deposited by reactive RF sputtering technique. The deposited films heat treated at temperatures 200,400,500,660 c . The surface properties of thin films by atomic force microscopy AFM, surface chemical composition self cleaning effect in bi layers, were studied. in addition, enhanced of hydrophilicity property in the film in effect of annealed temperature and persistence without UV light illumination were evaluate

**کلمات کلیدی:**

لینک ثابت مقاله در پایگاه سیویلیکا:

<https://civilica.com/doc/524340>

