

X-doped TiO<sub>2</sub>/WO<sub>3</sub> heterostructure Methyl blue (x : N, S)

\_\_\_\_\_ , \*

(jtkimad@uos.ac.kr\*)

가  
TiO<sub>2</sub> 가  
band gap  
가  
TiO<sub>2</sub> (Nitrogen, Sulfur) band gap , WO<sub>3</sub>  
heterostructure  
X-doped TiO<sub>2</sub>/WO<sub>3</sub> heterostructure (X : N, S) TiO<sub>2</sub> (P25) sol-gel), WO<sub>3</sub> (sol-gel)  
methyl blue  
heterostructure chemical composition XRD, XPS doping