

Preparation and luminescence optimization of Re-doped $\text{Na}_4\text{Ti}_5\text{O}_{12}$ up-conversion phosphor by spray pyrolysis

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Up-conversion phosphor (UCP) 가 , , 3D ,
 fluoride 가 fluoride UCP
 UCP fluoride
 UCP UCP
 UCP 가 $\text{Na}_4\text{Ti}_5\text{O}_{12}$ Er Hb, Yb
 UCP $\text{Na}_4\text{Ti}_5\text{O}_{12}$ 가 Na_2CO_3 ,
 UCP 100 ~ 200