

Synthesis and photocatalytic utilizations of oxide content optimized ZnS-ZnO-CuS-CdS photocatalysts

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(ZnS-ZnO CuS formation (ZnS-ZnO-CuS) CdS addition (ZnS-ZnO-CuS-CdS))  
composite . Heterostructure  
, oxide (ZnO)  
oxide ( O2 partial pressure) 가 . Oxide  
optimized ZnS-ZnO-CuS-CdS (not optimized ZnS-ZnO-CuS-CdS, pristine ZnS  
(2452.7 μmol g<sup>-1</sup> h<sup>-1</sup>), (methyl blue)  
photoluminescence