



Supplementary Materials

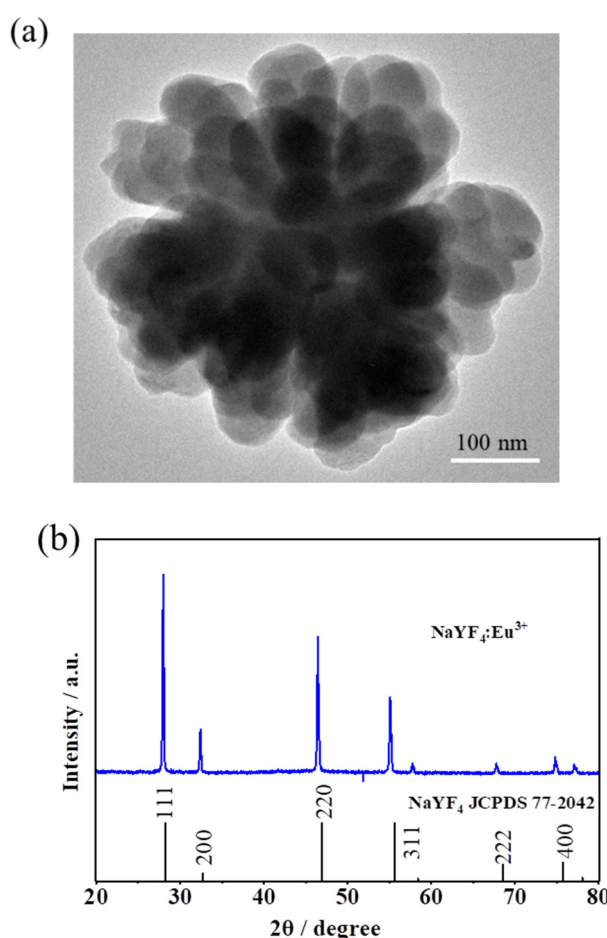
Plasmonic Effect of Ag/Au Composite Structures on the Material Transition

Xiaohua Wang ¹, Chengyun Zhang ², Xilin Zhou ¹, Zhengkun Fu ¹, Lei Yan ¹, Jinping Li ^{1,*}, Zhenglong Zhang ¹ and Hairong Zheng ^{1,*}

¹ School of Physics and Information Technology, Shaanxi Normal University, Xi'an 710119, China

² School of Electronic Engineering, Xi'an University of Posts & Telecommunications, Xi'an 710121, China

* Correspondence: ljping@snnu.edu.cn (J.L.); hrzheng@snnu.edu.cn (H.Z.)



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Figure S1. (a) Transmission electron microscopy (TEM) characterization of NaYF₄:Eu³⁺ nanoflowers; (b) XRD pattern of NaYF₄:Eu³⁺ and standard pattern of cubic NaYF₄.

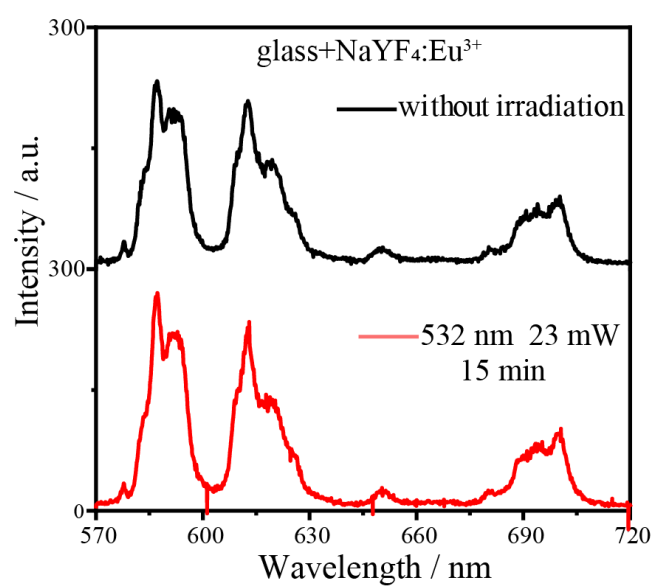


Figure S2. In-situ luminescence spectra of NaYF₄:Eu³⁺ on glass irradiated with 532 nm laser irradiation.

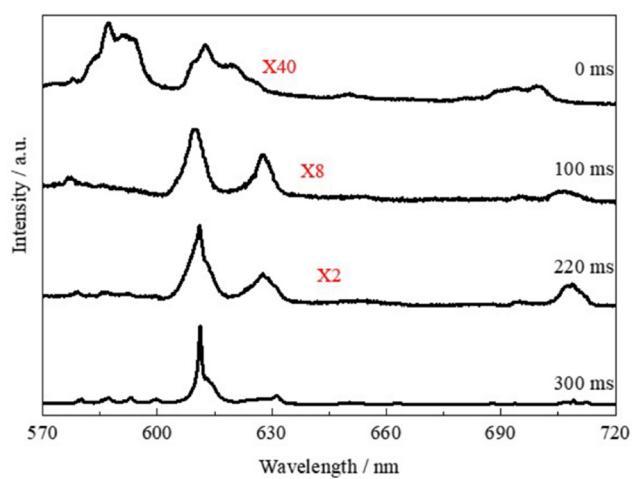


Figure S3. Evolution of the luminescence spectra for crystal transformation Ag NIs/Au thin film substrate, under 532 nm laser irradiation (22.5 mW at the sample).