

Supplemental Information for
Optical Properties of Gold Particle-Cluster Core-Satellite Nanoassemblies

*Pyng Yu^{*1}, Xiaoming Wen², Yon-Rui Toh¹, Yu-Chieh Lee³ and Jau Tang^{*1,3}*

¹Research Center for Applied Sciences, Academia Sinica, Taipei, Taiwan

²Australia Centre for Advanced Photovoltaics, University of New South Wales,

Sydney 2052, Australia

³Institute of Photonics, National Chiao-Tung University, Hsinchu, Taiwan

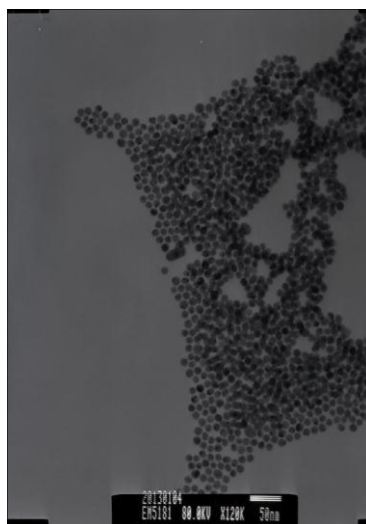


Figure S1. TEM image of AuNPs.

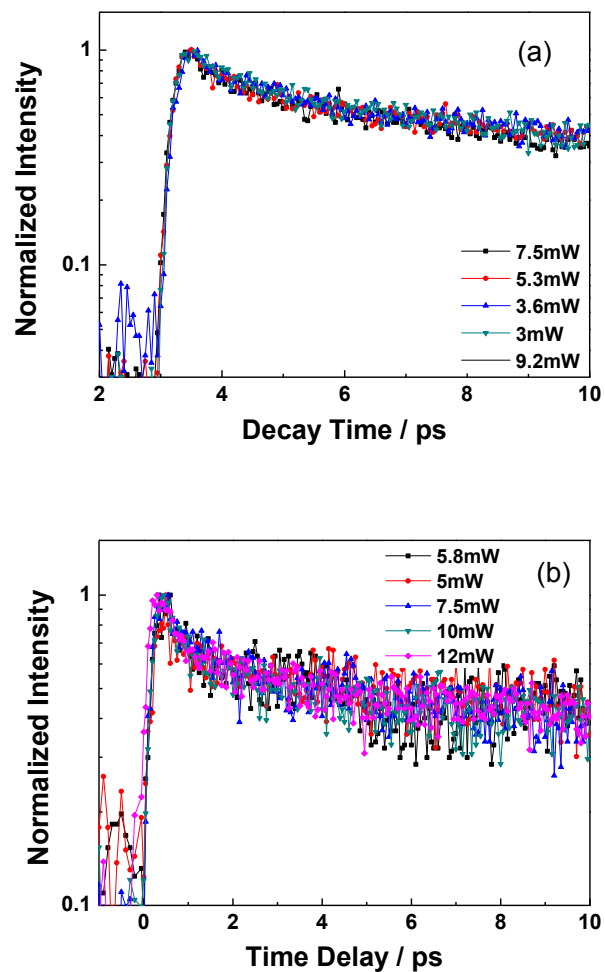


Figure S2. Up-conversion traces recorded at different pump fluence from (a,b) Au₁₀@histidine and (c,d) Au₂₅@BSA NCs solution. The fast time constant (τ_1) does not seem to vary with the increasing pump fluence.