

Fabrication of Strawberry-like Au@CeO₂ Nanoparticles with Enhanced Catalytic Activity by Assembly of Block Copolymer Composite Micelles

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Supporting Information

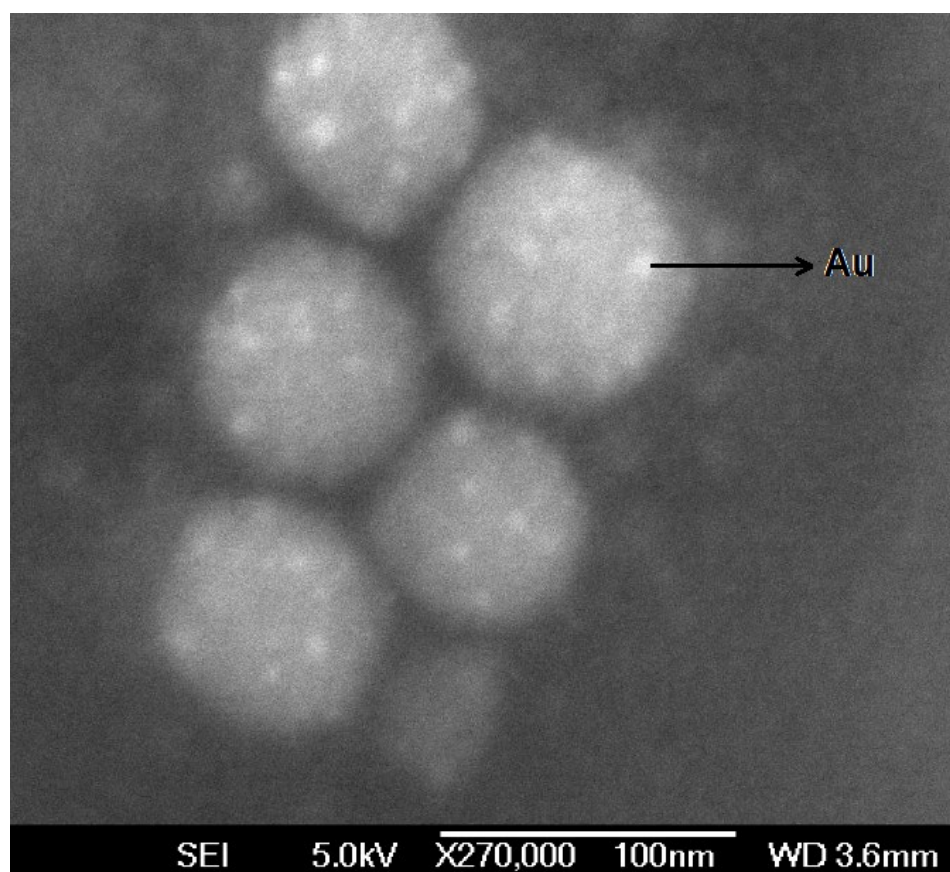


Fig. S1. SEM image of the strawberry-like Au@CeO₂ NPs (reactant ratio: Ce(NO₃)₃/HAuCl₄=10/1).

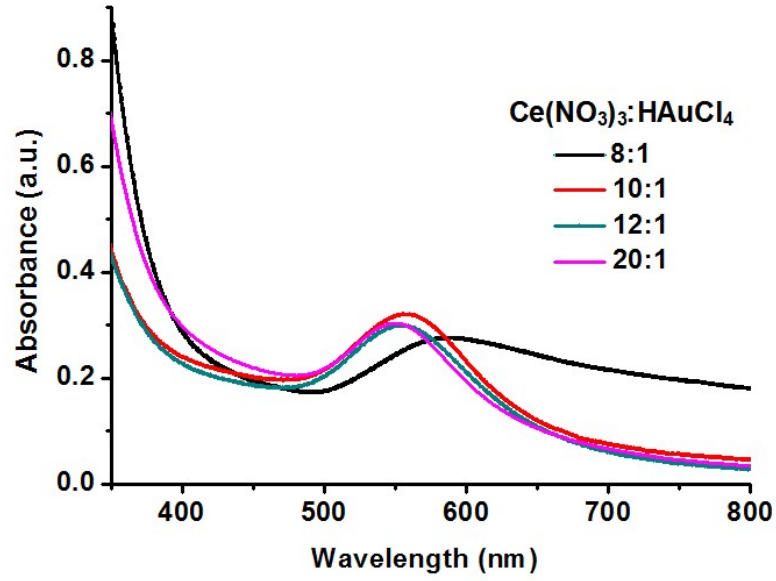


Fig. S2. UV-vis spectra of the Au@CeO₂ NPs prepared with different reactant ratio of Ce(NO₃)₃/HAuCl₄. If Ce(NO₃)₃/HAuCl₄ = 8/1, the SPR peak is at about 590 nm due to the large size of the Au NPs. If Ce(NO₃)₃/HAuCl₄ = 10/1, 12/1 to 20/1, the SPR peak positions are 560, 554 and 550 nm, respectively.

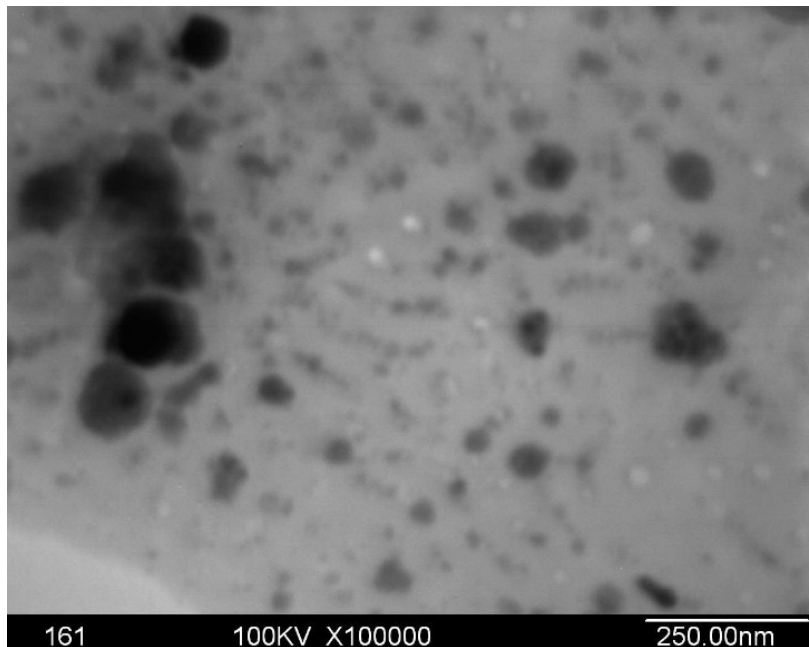


Fig. S3. TEM image of Au@CeO₂ NPs prepared with reactant ratio of Ce(NO₃)₃/HAuCl₄ = 8/1. large Au NPs are formed.

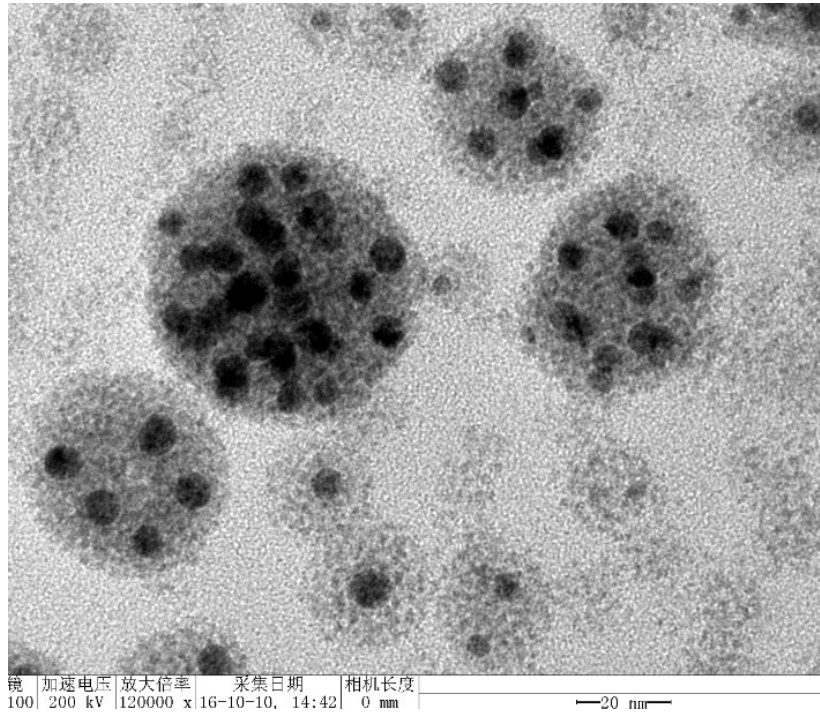


Fig. S4. TEM image of Au@CeO₂ NPs prepared with reactant ratio of Ce(NO₃)₃/HAuCl₄ = 12/1. Strawberry-like Au@CeO₂ can be formed.