

Nano-Particle Au_{core}@Fe_{shell} with decorated Au for biocompatibility material

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Abstract

Carbon nanotubes (CNTs) supported metallic nanocatalyst (NC) which is synthesized by wet chemical reduction method with the configuration of Au_{core}@Fe_{shell} and atomic Au clusters on the top (namely Au@Fe-Au). Compared to Au@Fe NC, the decoration of Au on the Au@Fe (AFA) stabilized the Au_{core} crystal.