Electronic Supplementary Information

Magnetically recoverable AuPd nanoparticles prepared by a coordination capture method as reusable catalyst for green oxidation of benzyl alcohol

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STEM images were acquired using a JEOL-JEM 2100F TEM microscope available at the LNNano Laboratory (CNPEM, Campinas, Brazil).

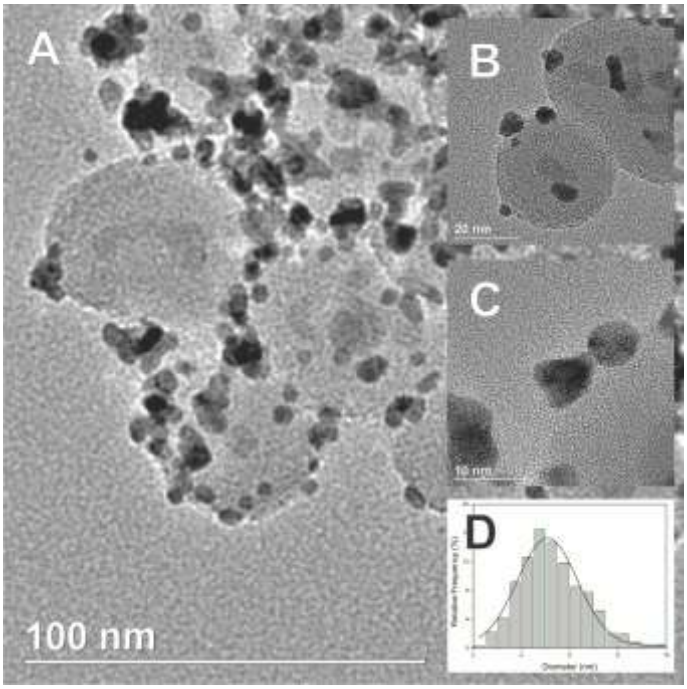

Figure S1. (a) TEM image of Fe_3O_4@SiO_2-NH_2AuPd. (b) and (c) TEM images with higher magnification of supported AuPd NPs. (d) size distribution histogram. Mean size 5.1±1.2 nm.

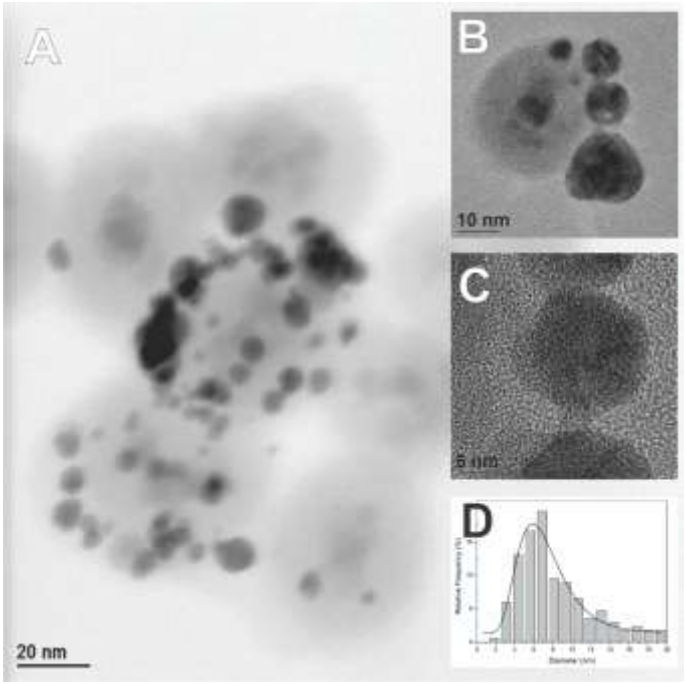

Figure S2. (a) STEM image of Fe_3O_4@SiO_2-NH_2AuPd(C) (calcined catalyst). (b) and (c) TEM images with higher magnification of supported AuPd NPs. (d) size distribution histogram. Mean size 6,8 nm (σ = 0.38).

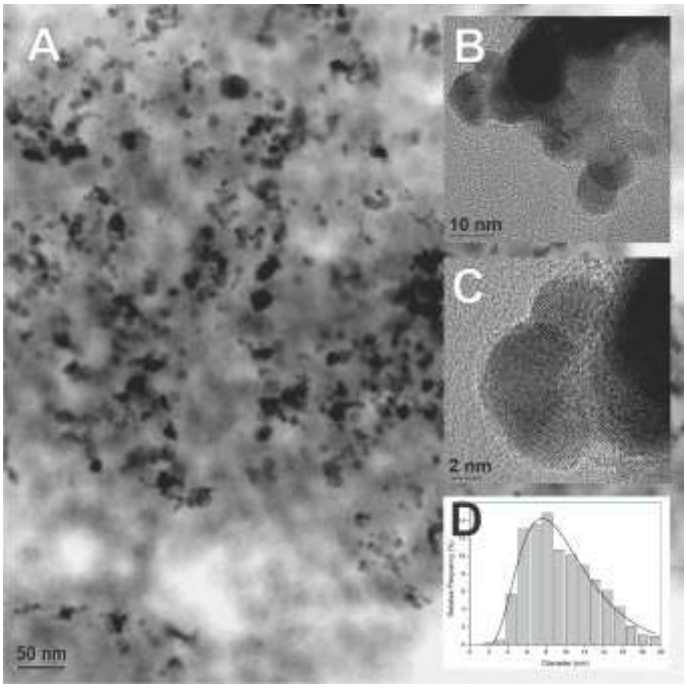

Figure S2. (a) STEM image of Fe_3O_4@SiO_2-NH_2AuPd(C)R5 (calcined catalyst after 5 reuses). (b) and (c) TEM images with higher magnification of supported AuPd NPs. (d) size distribution histogram. Mean size 9,3 nm ($\sigma = 0.45$).