Electronic Supplementary Material (ESI) for RSC Advances.

SUPPORTING INFORMATION

A mechanistic study of gold nanoparticles catalysis of O_2 reduction by ascorbate and hydroethidine, investigating reactive oxygen species formation

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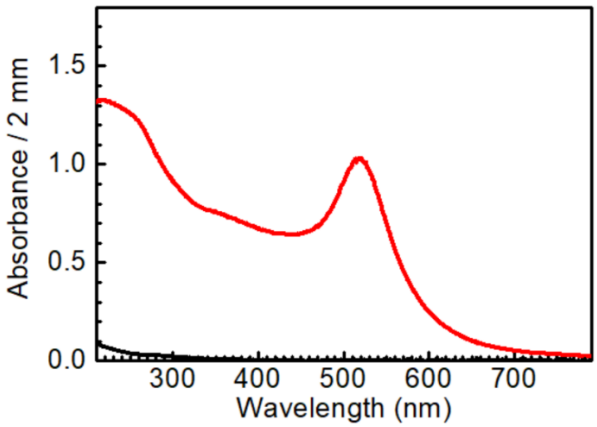

Figure S1. UV-vis absorption spectrum of AuNPs suspension containing 3 mM of gold atoms (red) and its supernatant (black). AuNPs suspension was diluted with deionized water two times before measurement.

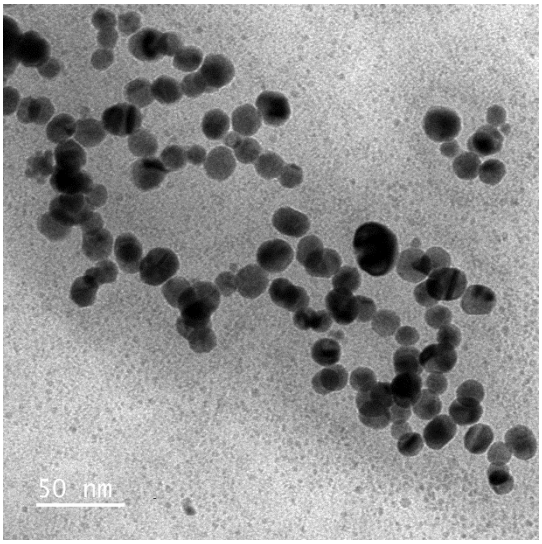

Figure S2. TEM image of AuNPs.

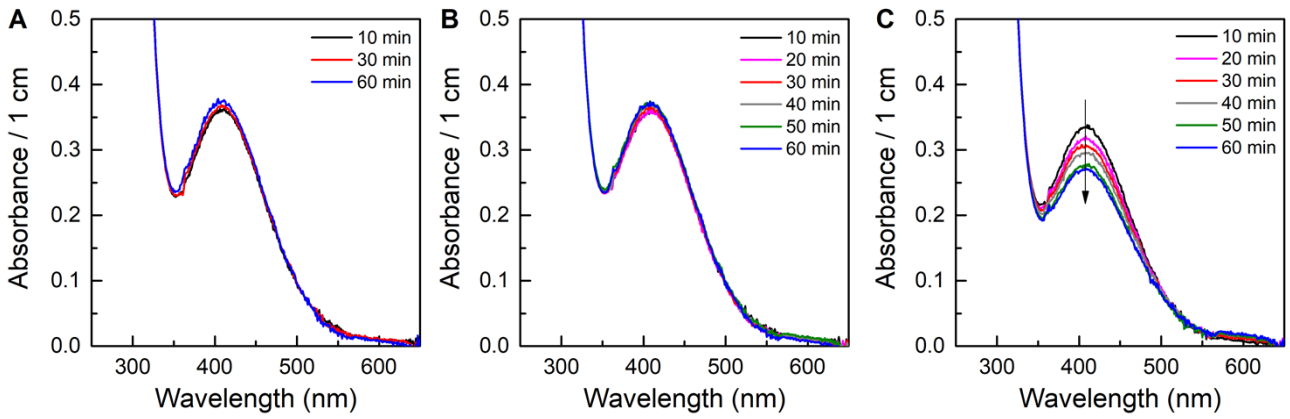

Figure S3. Determination of H_2O_2 concentration by $TiOSO_4$ assay at pH 7. Initial concentration of H_2O_2 was 1 mM. A – in water. B – in supernatant solution. C – in AuNPs suspension, [Au] = 1.5 mM.