

Enhanced photocatalytic activity of Au/TiO₂ nanoparticles against ciprofloxacin

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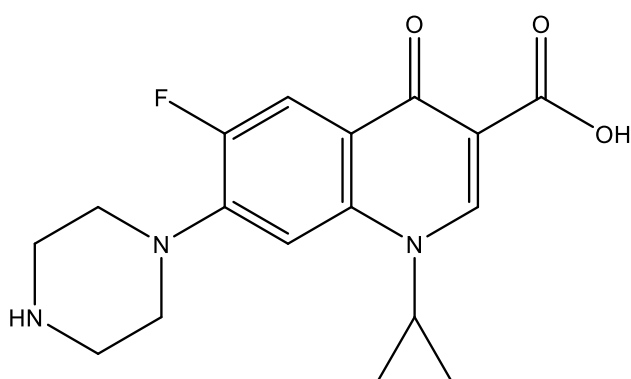


Figure S1. Chemical structure of ciprofloxacin (CIP), C₁₇H₁₈FN₃O₃.

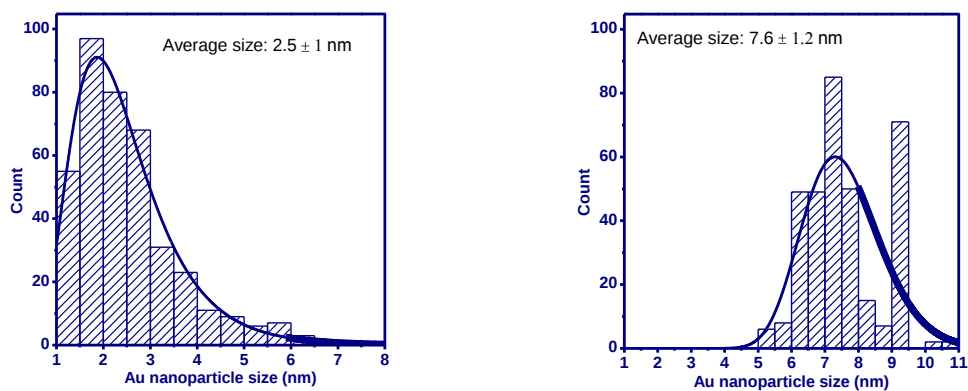


Figure S2. Size distribution of 400 Au nanoparticles with the respective average size for synthesis at 25 and 80 °C.

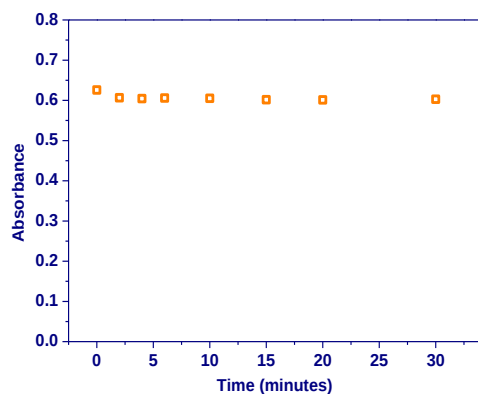


Figure S3. Exposure of ciprofloxacin solution (5mg/L) to UV radiation over 30 minutes.

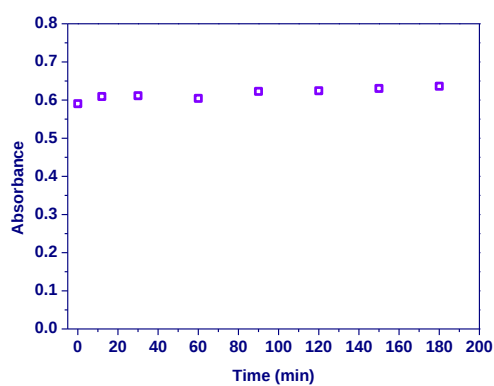


Figure S4. Exposure of ciprofloxacin solution (5mg/L) to simulated sunlight radiation over 180 minutes.

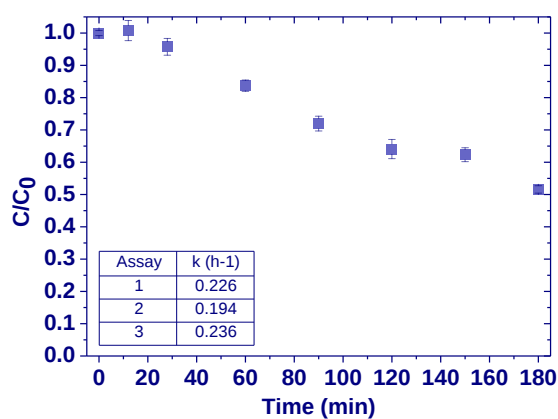


Figure S5. Photocatalytic degradation of ciprofloxacin (5 mg/L) a) with Au/TiO₂ nanocomposites, obtained in three batches using the same synthesis conditions (temperature = 60 °C and Au loading of 0.05 wt.%), over 180 minutes of simulated visible light irradiation.