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Preparation and Characterization of Au/TiO₂(110) model catalysts

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Au/TiO₂(110) model catalysts have been prepared by depositing Au nanoparticles of 2 -20nm on a TiO₂(110) single crystal surface. Au nanoparticles were synthesized by reducing HAuCl₄ and were deposited on TiO₂(110) in solution. We will report the reaction of CO on Au/TiO₂(110) model catalysts.