Au-Biocompatible metallic nanostructures in metalloprotein electrochemistry and electrocatalysis - DTU Orbit (10/11/2019)

Au-Biocompatible metallic nanostructures in metalloprotein electrochemistry and electrocatalysis

Molecular scale metallic nanoparticles coated by molecular monolayers and immobilized on single-crystal Au-electrode surfaces are efficient catalysts in metalloprotein voltammetry. Nanoparticles prepared by a new “green” method also exhibit strong electrocatalysis in both protein electrochemistry and fuel cell related processes. In this communication we highlight some recent observations and discuss their possible physical origins.

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