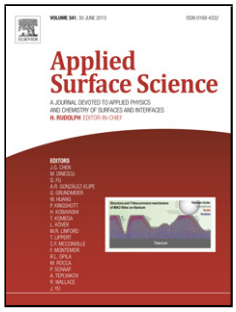

Title: Probing the orientations of coordination complex molecules onto the surface of ZnO nanoparticles by means of Surface enhanced Raman scattering, UV-Visible and DFT methods

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The adsorption geometry of three complex molecules onto the surface of ZnO nanoparticles is investigated by Raman, SERS and UV-Visible techniques.

All the three complex molecules are adsorbed in flat-on geometry.

On the adsorption onto the ZnO NPs, the fluorescence background of Raman spectra of Zn complex is quenched.