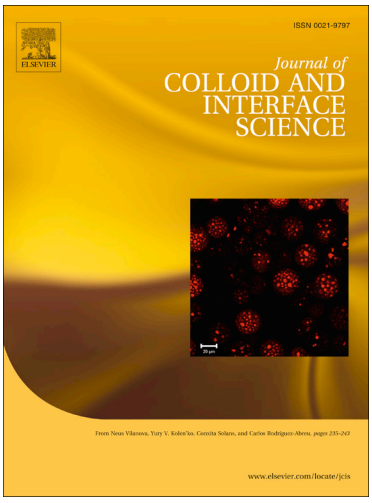

Multi-metal nanomaterials obtained from oil/water interface as effective catalysts in reduction of 4-nitrophenol

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Multi-Metal Nanomaterials Obtained from Oil/Water Interface as Effective Catalysts in Reduction of 4-Nitrophenol

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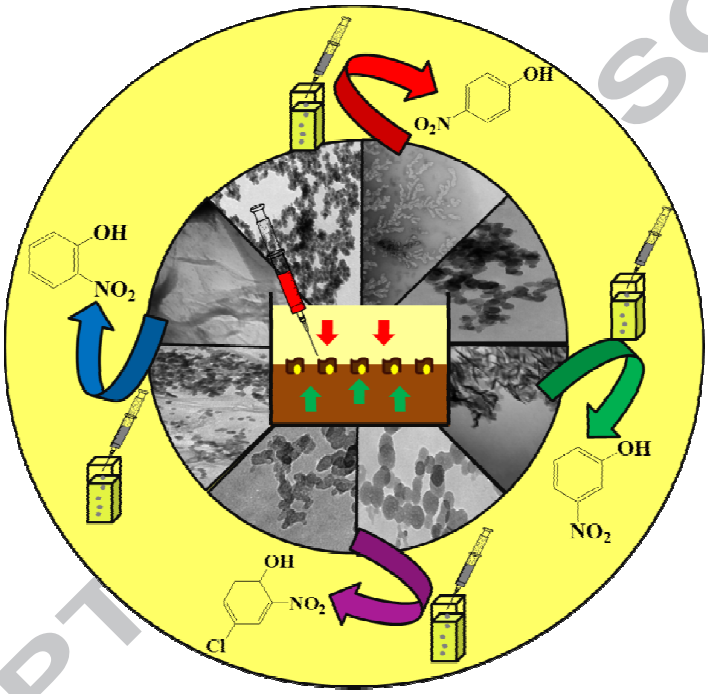

Abstract

In this study Pt and Pd-based nanostructured thin films have been successfully fabricated by room temperature self-assembly of metal nanoparticles (NPs) at the interface between toluene and water without/with using stabilizers such as graphene oxide (GO) or aminoclay (AC). Successful formation of these thin films is investigated by transmission electron microscopy (TEM), energy dispersive analysis of X-ray (EDAX) and X-ray diffraction (XRD). Catalytic

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