

## Accepted Manuscript

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PII: S0021-9797(17)31373-5  
DOI: <https://doi.org/10.1016/j.jcis.2017.11.068>  
Reference: YJCIS 23055

To appear in: *Journal of Colloid and Interface Science*

Received Date: 8 June 2017  
Revised Date: 22 November 2017  
Accepted Date: 23 November 2017

Please cite this article as: S.J. Hoseini, M. Bahrami, N. Sadri, N. Aramesh, Z.S. Fard, H.R. Iran, B.H. Agahi, M. Maddahfar, M. Dehghani, A.Z.B. Arabi, N. Heidari, S.F.H. Fard, Z. Moradi, Multi-metal nanomaterials obtained from oil/water interface as effective catalysts in reduction of 4-nitrophenol, *Journal of Colloid and Interface Science* (2017), doi: <https://doi.org/10.1016/j.jcis.2017.11.068>

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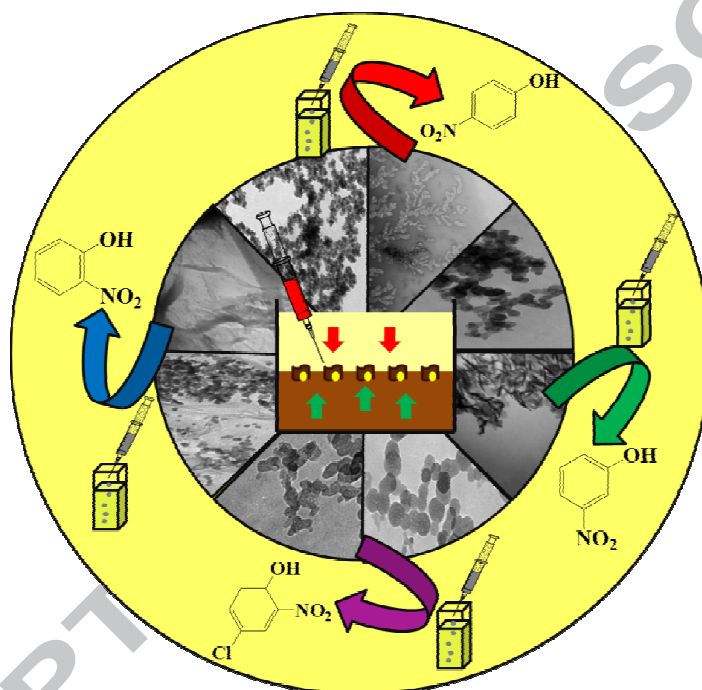


## Multi-Metal Nanomaterials Obtained from Oil/Water Interface as Effective Catalysts in Reduction of 4-Nitrophenol

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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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† Dedicated to the memory of Prof. Mehdi Rashidi, Shiraz University Chemistry Department

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