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RETRACTION

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Retraction: Bimetallic platinum–rhodium nanocomposites for dimethylamine borane dehydrogenation: an experimental and density functional theory study

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Retraction for 'Bimetallic platinum–rhodium nanocomposites for dimethylamine borane dehydrogenation: an experimental and density functional theory study' by Oznur Alptekin *et al.*, *Catal. Sci. Technol.*, 2020, **10**, 4624–4634, DOI: 10.1039/D0CY00641F.

Hilal Acidereli and Mehmet Ferdi Fellah hereby wholly retract this *Catalysis Science & Technology* article due to concerns with the reliability of the data in the published article.

The high-resolution transmission electron micrograph inset in Fig. 1a, which represents PtRh@GO nanocomposites, is a duplicated, rotated and scaled version of high resolution transmission electron micrograph insets in 41 other papers by the same author group all representing different nanoparticles or synthetic methods. The authors claim that this was a mistake and provided replacement data for consideration. However, an expert reviewed the authors' response and concluded that it did not satisfactorily address the concerns, and that the replacement figure did not fully support the conclusions.

The portions of the two XRD spectra in Fig. 2a between 30 and 55°, representing two different materials: Pt@GO and PtRh@GO, are the same. The authors provided replacement data for consideration. However, an expert reviewed the authors' response and concluded that it did not satisfactorily address the concerns, and that the replacement figure did not fully support the conclusions. Given the significance of the concerns about the validity of the data, the findings presented in this paper are no longer reliable.

Fatih Sen opposes this retraction. Oznur Alptekin, Betul Sen and Umran Ercetin were contacted but did not respond.

Signed: Maria Southall, Executive Editor, *Catalysis Science & Technology*

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