

Cite this: *Chem. Sci.*, 2021, 12, 7196

Correction: On the electronic structure and hydrogen evolution reaction activity of platinum group metal-based high-entropy-alloy nanoparticles

Dongshuang Wu,^{*a} Kohei Kusada,^{*a} Tomokazu Yamamoto,^b Takaaki Toriyama,^c Syo Matsumura,^{bc} Ibrahima Gueye,^d Okkyun Seo,^d Jaemyung Kim,^d Satoshi Hiroi,^d Osami Sakata,^{de} Shogo Kawaguchi,^f Yoshiki Kubota^g and Hiroshi Kitagawa^{*a}

DOI: 10.1039/d1sc90104d
rsc.li/chemical-science

Correction for 'On the electronic structure and hydrogen evolution reaction activity of platinum group metal-based high-entropy-alloy nanoparticles' by Dongshuang Wu *et al.*, *Chem. Sci.*, 2020, 11, 12731–12736, DOI: 10.1039/D0SC02351E.

The authors regret that there was an error in Fig. 6 of the original article. In the original article, the d-band center values shown in Fig. 6 and Table S2 had been miscalculated. The correct version of Fig. 6 is shown below, and the ESI available online has also been changed to show the correct version of Table S2. The tendency in the activity and d-band center has not changed, and the new data have no influence on the conclusions of the paper.

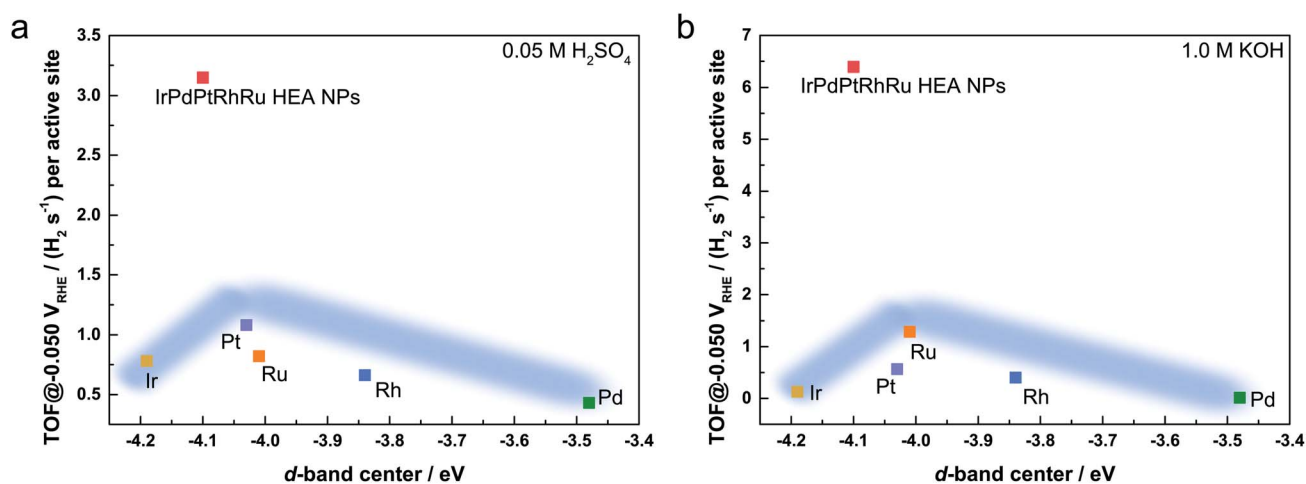


Fig. 6 TOF value at $-0.050 \text{ V}_{\text{RHE}}$ as a function of the experimental d-band center of the tested catalysts in (a) $0.05 \text{ M H}_2\text{SO}_4$ and (b) 1.0 M KOH solutions. The d-band center is relative to the Fermi level. The light blue regions show the trend of the activity following d-band center theory.

The Royal Society of Chemistry apologises for these errors and any consequent inconvenience to authors and readers.

^aDivision of Chemistry, Graduate School of Science, Kyoto University, Kitashirakawa-Oiwakecho, Sakyo-ku, Kyoto 606-8502, Japan. E-mail: dongshuangwu@kuchem.kyoto-u.ac.jp; kusada@kuchem.kyoto-u.ac.jp; kitagawa@kuchem.kyoto-u.ac.jp

^bDepartment of Applied Quantum Physics and Nuclear Engineering, Kyushu University, Motoooka 744, Nishi-ku, Fukuoka 819-0395, Japan

^cThe Ultramicroscopy Research Center, Kyushu University, Motoooka 744, Nishi-ku, Fukuoka 819-0395, Japan

^dSynchrotron X-ray Group, Synchrotron X-ray Station at SPring-8, National Institute for Materials Science, Kouto, Sayo-cho, Sayo-gun, Hyogo 679-5148, Japan

^eCenter for Synchrotron Radiation Research, Japan Synchrotron Radiation Research Institute, 670-5198, Japan

^fResearch & Utilization Division, Japan Synchrotron Radiation Research Institute (JASRI), SPring-8, Kouto, Sayo-cho, Sayo-gun, Hyogo 679-5198, Japan

^gDepartment of Physical Science, Graduate School of Science, Osaka Prefecture University, Sakai, Osaka 599-8531, Japan