Supporting Information

Ortho-phenylenediamine-Pd Hybrid on Magnetic γ-Fe_2O_3 for Efficient Hydrogen Evolution Catalysis

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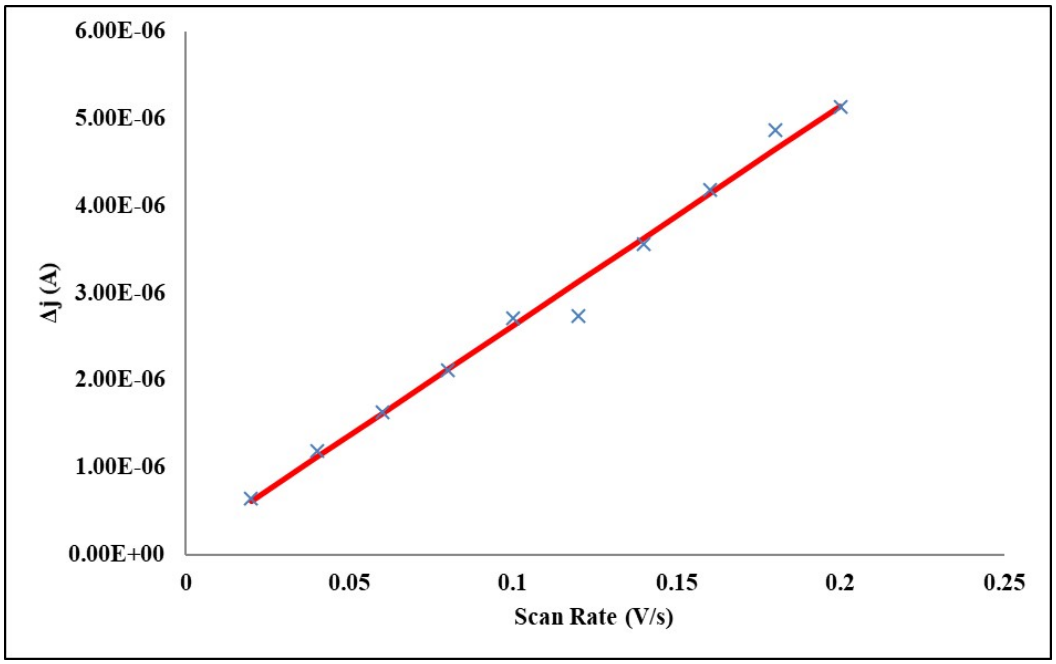

Figure S1. Linear relationship between current density and scan rate for γ-Fe_2O_3/OPD/$PdCl_2$ in the non-faradaic potential window of 0.2–0.3 V (vs. Ag/AgCl), used to determine the C_{dl} and estimate the ECSA.

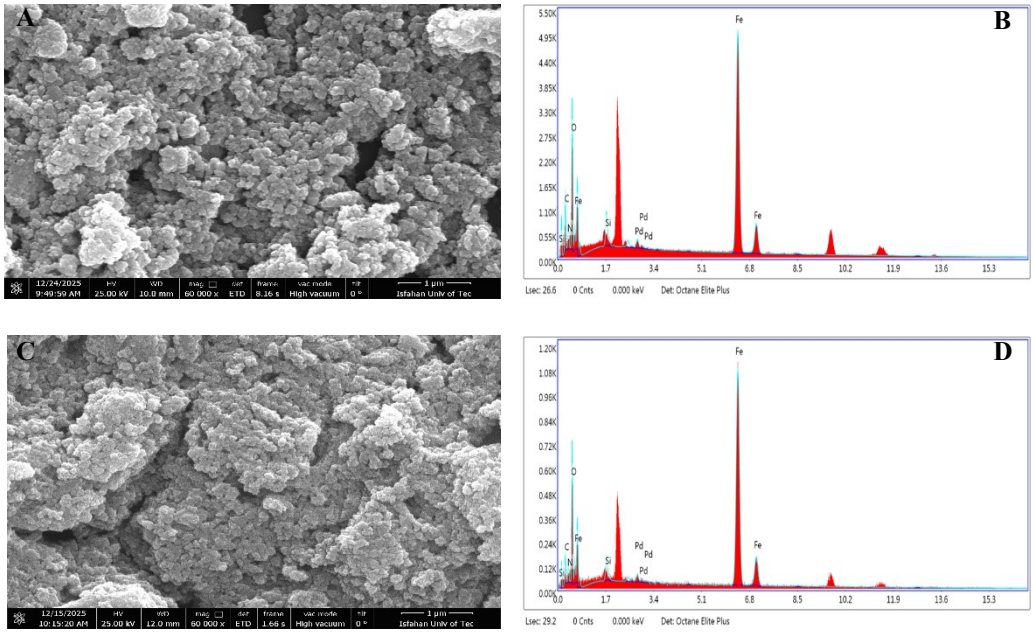

Figure S2. SEM images and EDS spectra of the γ-Fe_2O_3/OPD/$PdCl_2$ catalyst: (A and B) fresh electrode and (C and D) electrode after 1000 potential cycles.

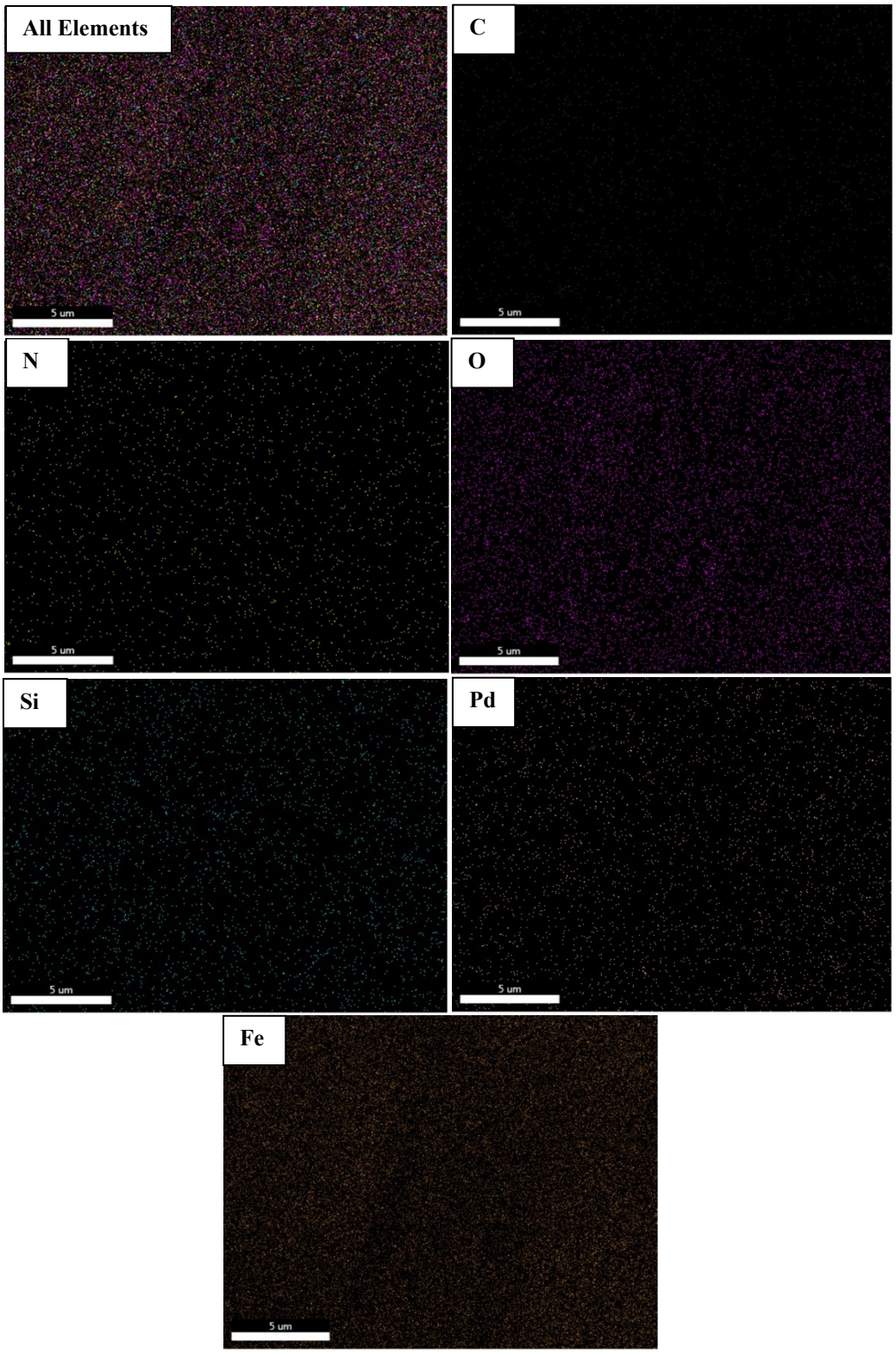

Figure S3. Elemental mapping of the γ-Fe_2O_3/OPD/$PdCl_2$ catalyst for the fresh electrode.

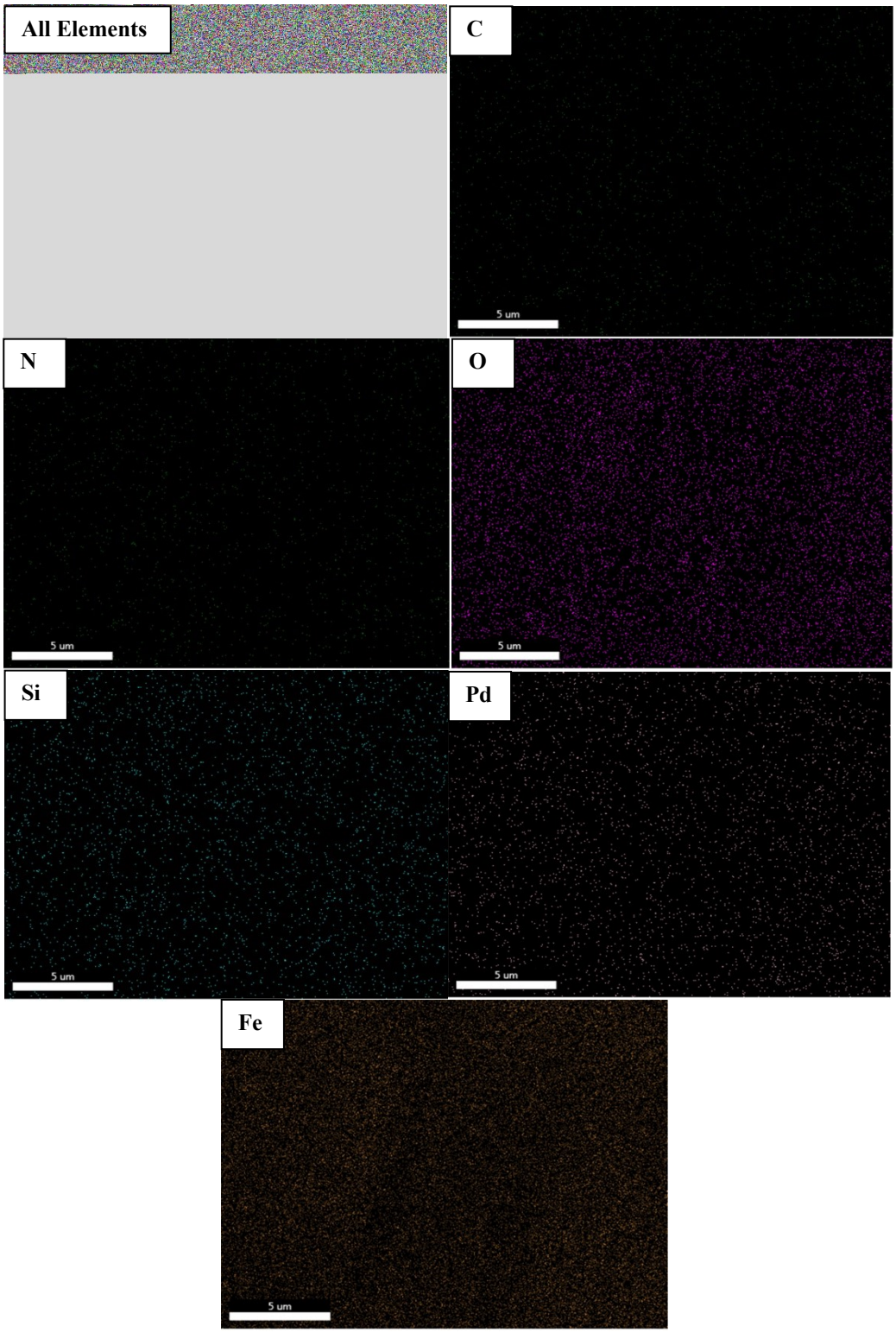

Figure S4. Elemental mapping of the γ-Fe_2O_3/OPD/$PdCl_2$ catalyst for the electrode after 1000 potential cycles.