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Electrodeposition of Ni-Mo-rGO composite electrodes for efficient hydrogen production in alkaline medium

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Supplementary Information

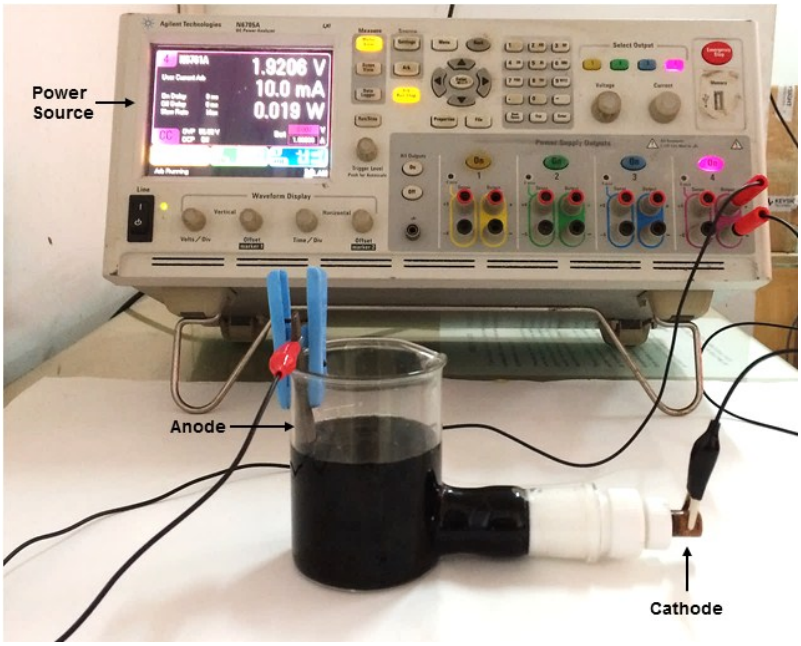

Fig. S1 Customized glass cell used for electrodeposition of Ni–Mo–rGO composite coatings from the electrolyte

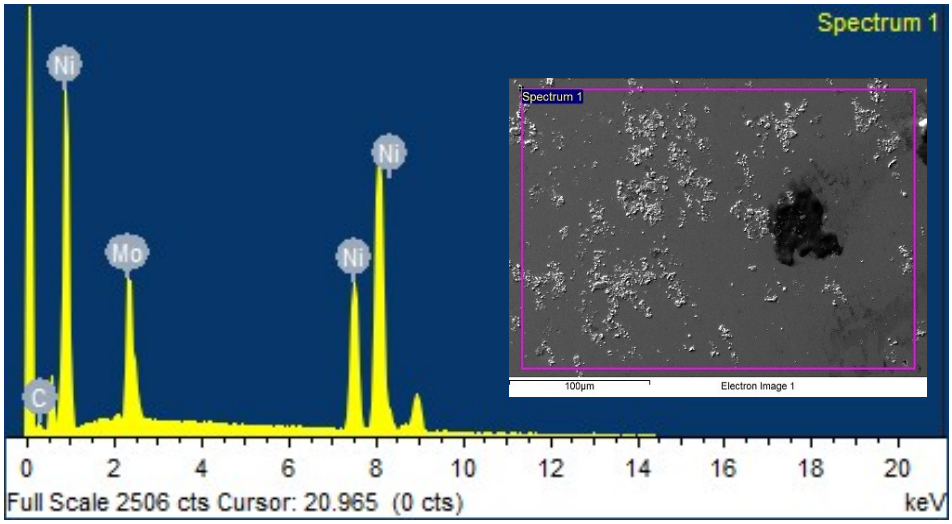

Fig. S2 EDX spectrum of the Ni–Mo–rGO composite coating developed at 1.0 A dm^{-2} showing the peaks for Ni, Mo, and C

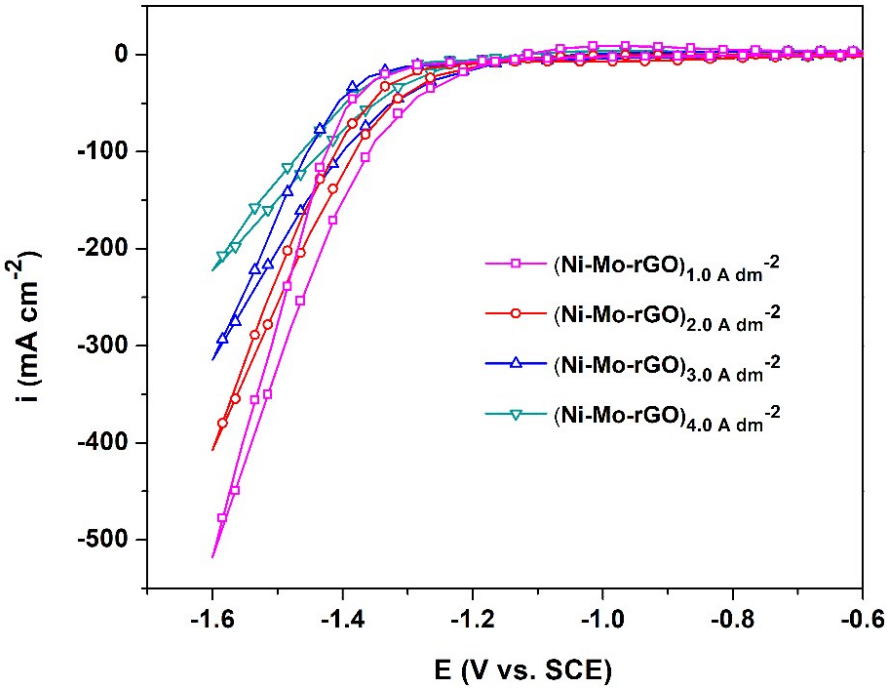

Fig. S3 Cyclic voltammograms of Ni−Mo−rGO coatings deposited at different c.d.'s showing their cathodic peak current density, i_{pc} for HER

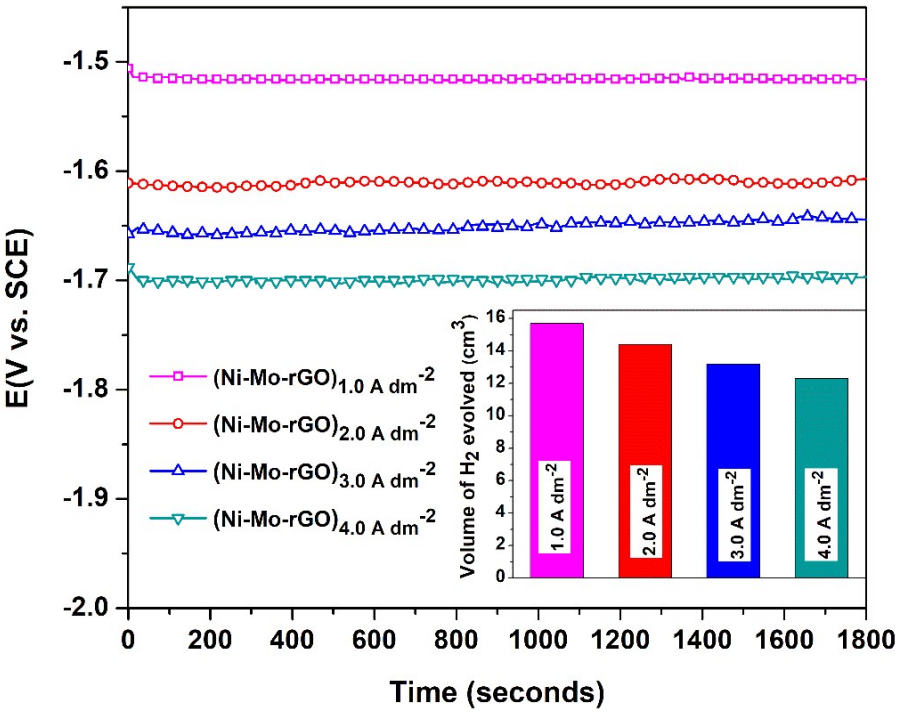

Fig. S4 Chronopotentiograms of Ni−Mo−rGO composite coatings, deposited at different c.d.'s under impressed cathodic current of −300 mA cm^{-2} with the volume of H_2 evolved in 300 s on each test electrodes are shown in the inset