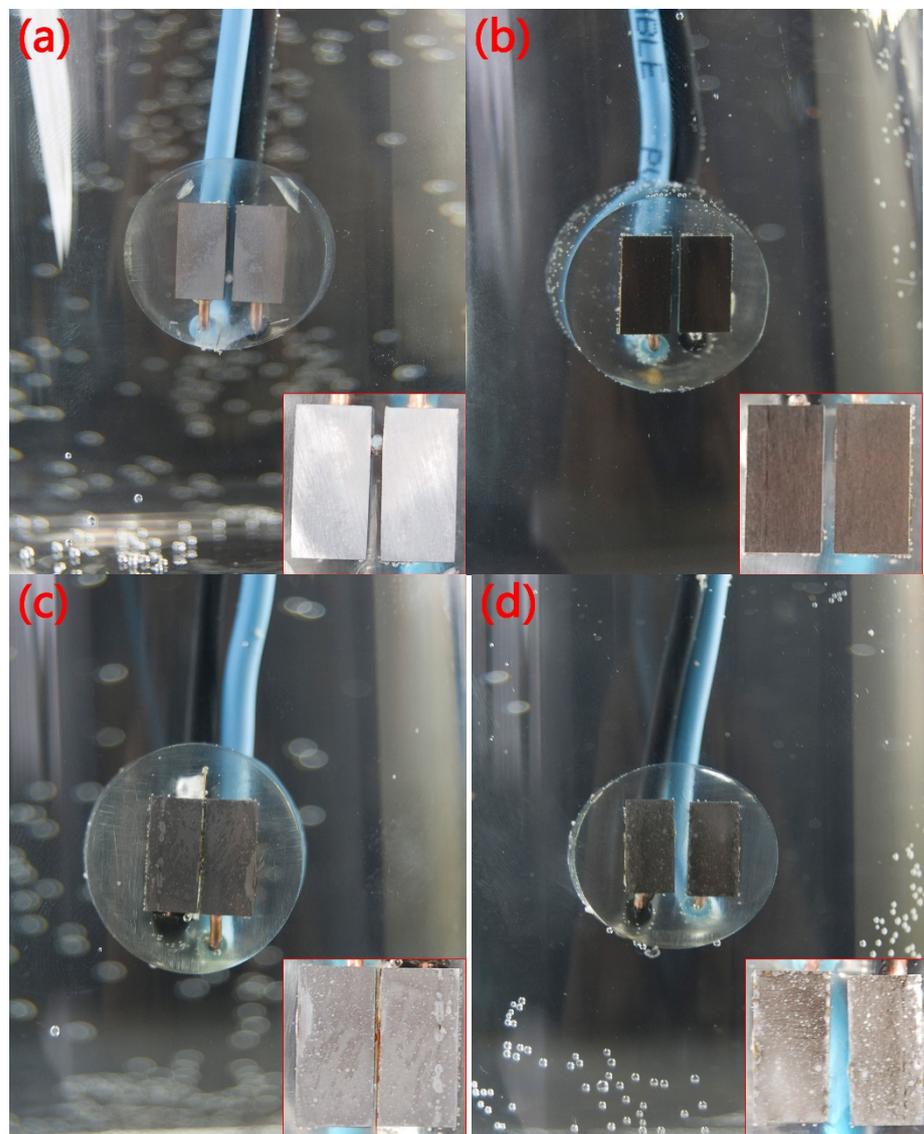


Supplementary

Effects of the IR Drop on the Electrochemical Corrosion of X80 Pipeline Steel in Different Solutions

Yunlong Bai ^{1,2,†}, Jin Xu ^{1,2,3,†,*}, Boxin Wei ^{1,2} and Cheng Sun ^{1,2,3,*}

- ¹ School of Materials Science and Engineering, University of Science and Technology of China, Shenyang 110016, China
- ² Institute of Metal Research, Chinese Academy of Sciences, Shenyang 110016, China
- ³ Liaoning Shenyang Soil and Atmosphere Material Corrosion National Observation and Research Station, Shenyang 110016, China
- † These authors contributed equally.
- * Correspondence: xujin@imr.ac.cn (J.X.), chengsun@imr.ac.cn (C.S.)



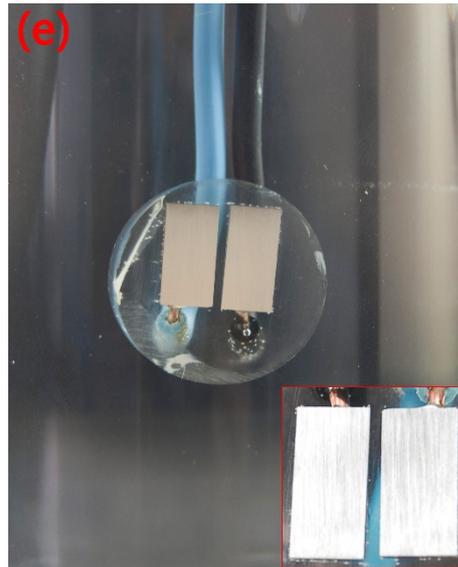


Figure S1. Optical pictures in five solutions (HCl (a), H₂SO₄ (b), NaCl (c), Na₂SO₄ (d) and NaOH (e)) after immersing for 2 h, and macrographs of coupons taken out of the solutions in the red-color squares.