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***In-situ* polymerization on X70 steel surface and corrosion inhibition**

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In present work, we report a way to construct double layers of polymer protective film by monomer in situ polymerization on X70 steel surface, meanwhile the corrosion inhibition of the double layers was evaluated and compared with those of the monomer and the polymer solution by weight loss method. The results indicated that the double polymer film formed on the X70 steel surface was exhibited an inhibition efficiency of 98.86% for X70 steel in 5 M HCl at 90°C for 24 hours immersion.

Biography

Xiaohui Jiang has completed her PhD from Southwest Petroleum University, China. She is a repute professor of chemistry in the school of Chemistry and Chemical Engineering, China West Normal University. She has been teaching organic chemistry for 30 years. Her researches focus on new surfactants and new organic inhibitors syntheses and their application in corrosion inhibition and pollutants removal in waste water. These researches are added financially by Science & Technology Department of Sichuan Province and National Nature Science foundation of China. She has published more than 50 papers in reputed journals.

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