

عنوان مقاله:

Fractographic Aspects of Stress Corrosion Failure of Zircaloy ۲ in CH₃OH HCL Solutions

محل انتشار:

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تعداد صفحات اصل مقاله: 7

نویسنده:

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خلاصه مقاله:

Fracture surface of Zircaloy-۲ specimens tested under constant crosshead speed in CH₃OH/۰.۴ Vol. %HCl solution with and without selenium (۲۵ ppm) addition was studied. Using a combined process of deformation and annealing, coarse grained material was also obtained and examined. Two modes of stress corrosion crack propagation were observed: an intergranular zone caused by stress assisted anodic dissolution, and a transgranular cleavage zone, due to hydrogen absorption.

کلمات کلیدی:

لینک ثابت مقاله در پایگاه سیویلیکا:

<https://civilica.com/doc/1392363>

