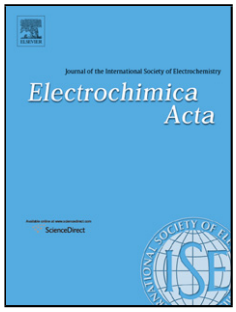


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# Transient analysis through Hilbert spectra of electrochemical noise signals for the identification of localized corrosion of stainless steel

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## Abstract

Hilbert spectra allow identification of instantaneous frequencies that are attributed to specific corrosion mechanisms in electrochemical noise data. The present work proposes to identify and analyze areas of interest in Hilbert spectra, which enables to obtain valuable frequency information from electrochemical noise signals. Experiments were performed on AISI304 exposed