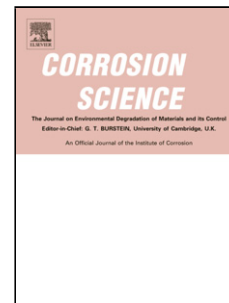


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1 Highlights

- 2 ● Study by electrochemical impedance spectroscopy after neutral salt spray tests
- 3 ● Film performance studied by resistances and phase angles at special frequencies
- 4 ● Prediction of film lifetime by an empirical relationship
- 5 ● A single layer of organic fluorocarbon film coated on Mg alloy substrate
- 6 ● A sandwich-structured composite film coated on Mg alloy substrate

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