

Ref: PF 120201/05 Df: 29981670
CORROSION SCIENCE (PRINT & WEB)
01.07.01 Vol: 43 No. 7
0010-938X 22101144 11.07.01
LIBRIS - C2
144 BOULEVARD KRIM BELKACEM
ALGER
ALGERIE



CORROSION SCIENCE

The Journal on Environmental Degradation of Materials and its Control
Editor-in-Chief: G. T. BURSTEIN, University of Cambridge, U.K.

An Official Journal of the Institute of Corrosion

Volume 43, No. 7

July 2001

CONTENTS

- | | | |
|---|------|---|
| R. AKID and D. J. MILLS | 1203 | A comparison between conventional macroscopic and novel microscopic scanning electrochemical methods to evaluate galvanic corrosion |
| P. S. LIU, K. M. LIANG and S. R. GU | 1217 | High-temperature oxidation behavior of aluminide coatings on a new cobalt-base superalloy in air |
| Z. AHMAD, A. UL-HAMID and ABDUL-ALEEM B. J. | 1227 | The corrosion behavior of scandium alloyed Al 5052 in neutral sodium chloride solution |
| A. G. MUÑOZ, S. B. SAIDMAN and J. B. BESSONE | 1245 | Influence of In on the corrosion of Zn-In alloys |
| D. WALLINDER, G. HULTQUIST, B. TVETEN and E. HÖRNLUND | 1267 | Hydrogen in chromium: influence on corrosion potential and anodic dissolution in neutral NaCl solution |
| YU XINGWEN, CAO CHUNAN, YAO ZHIMING, ZHOU DERUI and YIN ZHONGDA | 1283 | Study of double layer rare earth metal conversion coating on aluminum alloy LY12 |
| O. KHASELEV, D. WEISS and J. YAHALOM | 1295 | Structure and composition of anodic films formed on binary Mg-Al alloys in KOH-aluminate solutions under continuous sparking |
| J. DOBRYSZYCKI and S. BIALLOZOR | 1309 | On some organic inhibitors of zinc corrosion in alkaline media |
| Y. S. LIM, H. P. KIM, J. H. HAN, J. S. KIM and H. S. KWON | 1321 | Influence of laser surface melting on the susceptibility to intergranular corrosion of sensitized Alloy 600 |

Contents continued on outside back cover



PERGAMON

<http://www.elsevier.com/locate/corsci>

Continued from front cover

- | | | |
|--|------|--|
| A. MISZCZYK and K. DAROWICKI | 1337 | Accelerated ageing of organic coating systems by thermal treatment |
| S. RAJENDRAN, B. V. APPARAO,
N. PALANISWAMY, V. PERIASAMY and
G. KARTHIKEYAN | 1345 | Corrosion inhibition by strainless complexes |
| S. C. KRANC and A. A. SAGÜÉS | 1355 | Detailed modeling of corrosion macrocells on steel reinforcing in concrete |
| S. NESIC, M. NORDSVEEN,
N. MAXWELL and M. VRHOVAC | 1373 | Probabilistic modelling of CO ₂ corrosion laboratory data using neural networks |
| H. HABAZAKI, K. SHIMIZU,
P. SKELDON, G. E. THOMPSON and
G. C. WOOD | 1393 | The behaviour of iron during anodic oxidation of sputtering-deposited Al-Fe alloys |
| | I | Corrosion diary |
| | III | Keywords for <i>Corrosion Science</i> |

CONTENTS
Direct

This journal is part of **ContentsDirect**, the *free* alerting service which sends tables of contents by e-mail for Elsevier Science books and journals. You can register for **ContentsDirect** online at: www.elsevier.nl/locate/contentsdirect

Indexed/Abstracted in Current Contents, Engng Ind Monthly & Author Index, PASCAL/CNRS Database, Corrosion Abstracts, Metals Abstracts, Chemical Abstracts, INSPEC Database, BMT Abstracts, Petroleum Abstracts, Aqua Abstr, Cam Sci Abstr, Chem Eng Abstr, Chem Haz in Indus, Edi Metal Abstr, Environ Per Bibl, Materials Science Citation Index, Applied Science & Technology Index, Wilson Applied Science & Technology Abstracts, Current Technology Index (CTI)

ISSN 0010-938X



0010-938X(200107)43:7;1-P