

List of Selected Papers

Dévay, J., Lengyel, B., Mészáros, L.:

Anwendung des Potentiostats zur Bestimmung des Maximalen Korrosionsstroms von Galvanischen Elementen

Acta Chim. Acad. Sci.Hung., 62. 157 (1969)

Dévay, J., Lengyel, B., Mészáros, L.:

The Elimination of Resistance Polarisation in Potentiostatic Investigations,

Acta Chim. Acad. Sci.Hung., 66. 269 (1970)

Dévay, J., Lengyel, B., Mészáros, L.:

Measuring Method and Equipment for the Automatic Compensation of Resistance Polarisation

Hung. Sci. Instr., 25. 5 (1972)

Lengyel, B., Mészáros, L.:

Simulation of the Instabilities Observed in Potentiostatic Study in Active-Passive Transition

Acta Chim. Acad. Sci. Hung., 110. 397 (1982)

Lengyel, B., Baróti-Labár, Zs., Kahán, R.:

Study of Chromate Coatings by Means of Electrode Impedance Measurements

Materials Chemistry, 7. 183 (1982)

Mészáros, L., Lengyel, B., Frignani, A., Monticelli, C. and Trabaneli, G.:

Comparison of D.C. and A.C. Techniques for the Evaluation of Inhibitor Efficiency

Materials Chem. and Phys., 12. 189-197. (1985)

Mészáros, L., Lendvay-Győrik, G., Lengyel, B.

Study of the Coverage of Phosphated Steel Surfaces by Impedance Method

Materials Chemistry, 23. 267 (1989)

Pirnát, A., Mészáros, L., Lengyel, B.:

Study of the Formation of Chromate Layer on Zinc by Impedance Technique

Electrochimica Acta, 35. 515 (1990)

Pirnát A., Mészáros G., Mészáros L., Lengyel B.:

Measuring Method and Instrument for the Evaluation of Corrosion Resistance of Chromate Layer

Corrosion Science, 34. (7) 1147-1150 (1993)

Mészáros L., Mészáros G., Lengyel B.:

Application of Harmonic Analysis in the Measuring of Corrosion

Electrochem. Soc., 141. 2068-2071 (1994)

Mészáros L., Mészáros G., Lengyel B.:

Reply to the Comments on Application of Harmonic Analysis in the Measuring Technique of Corrosion

J. Electrochem. Soc., 142. 3612-3613 (1995)

Pirnát A., Mészáros L., Mészáros G., Lengyel B.:
A Comparison of Electrochemical and Analytical Chemical Methods for the Determination of Corrosion Rate with Very Efficient Inhibitors
Corros. Sci., 37. 963-973 (1995)

Pirnát A., Mészáros L., Lengyel B.:
Impedance Study of the Corrosion Protection of Zinc by Chromate Coatings
ACH Models in Chemistry, 132. 647-651 (1995)

Mészáros L., Mészáros G., Pirnát A., Lengyel B.:
An Experimental Study of Iron Corrosion in Sulfuric Acid Solution Containing Inhibitors by Noise Measurement
J. Electrochem. Soc., 143. 3597-3600 (1996)

Mészáros L., Mészáros G., Janászik F., Fekete É., Lengyel B.:
Studio della corrosione sottopellicolare per misura elettrochimica dell'interferenza
Pitture e Vernici, 3 (1996)

Lengyel B., Mészáros G., Mészáros L., Fekete É., Janászik F., Szenes I.:
Electrochemical Methods to Determine the Corrosion Rate of a Metal Protected by a Paint Film
Progress in Organic Coatings, 890. 1-4. (1999)

Lengyel B., Mészáros L., Fekete É., Janászik F.:
Metodi elettrochimici per studiare le proprietà anticorrosive dei primers
Pitture e Vernici - European Coatings, 11. 7-11 (1999).

Lendvay-Győrik G., Mészáros L., Mészáros G., Lengyel B.:
Some Interesting Peculiarities in the High Frequency Part of the Impedance Diagram Obtained in the Case of Iron Dissolution in Dilute H₂SO₄ Solution
Corrosion Science, 42. 79-90 (2000)

Lendvay-Győrik G., Mészáros G., Lengyel B.:
A simple testing method for quality control of phosphate coatings based on impedance measurements
J Appl Electrochem, 32. 891-896 (2002)

G. Lendvay-Győrik, G. Mészáros, B. Lengyel, Gy. Lendvay.:
Electrochemical and Quantum chemical studies on the formation of protective films by alkynols on iron
Corros. Sci., 45. 1687-1702 (2003)

G. Mészáros, I. Szenes, B. Lengyel:
Measurement of charge transfer noise
Electrochem. Comm., 6. 1185-1191 (2004)

Fekete É, Lengyel B:
Accelerated testing of waterborne coatings
Progress In Organic Coatings, 54. 211-215 (2005)

Lendvai-Győrik G, Pajkossy T, Lengyel B:
Corrosion-protection properties of water-borne paint coatings as studied by electrochemical impedance spectroscopy and gravimetry
Progress in Organic Coatings, 56. 304-310 (2006)