



ANNUAL INDEX

SUBJECTS

- |                                      |  |
|--------------------------------------|--|
| Acid chloride solution 99            | Conductivity effects 23                |
| Activity coefficients 181            | Conversion coatings 13                 |
| Adipic acid 79                       | Copper 45                              |
| Adsorption stripping voltammetry 137 | Corrosion 45, 99                       |
| Adsorption time 137                  | Inhibition, 18                         |
| Adsorptive accumulation 137          | Protection, 20                         |
| Agar's equation 163                  | C-steel 99                             |
| Aluminium 35                         | Cyclic voltammetry 57, 89, 151         |
| Matrix composites 13                 | Decyl sodium sulphate 35               |
| Wire electrodes 36                   | Dicarboxylic acids, pK 77, 79          |
| Aqueous Solution 159                 | Dielectric constant 71                 |
| Arrhenius plot 51, 104               | Diferential pulse adsorptive stripping |
| Ascorbic acid 55                     | voltammetry 176                        |
| Bronsted equation 186                | Diferential pulse polarography 170     |
| Butane-1,3-dione derivative 99       | Diffusion 159                          |
| Butyrolactone ( $\gamma$ ) 23        | Diimine crown ether 167                |
| Capillary conductimetry method 162   | Dimethylglyoxime 137                   |
| Carbon paste electrode 55            | Dodecyl sodium sulphate, 35            |
| Chronoamperometry 176                | Double potential chronocoulometry 175  |
| Conducting polymers 3                | EDAX, 18                               |

- Electrocaatalytic oxidation **55**
- Electrocapillary curve **107**
- Electrocatalysis **3**
- Electrolyte **159, 184**
  - Ionic strength **189**
- Electron mediator **59**
- Electropolymerization **3**
- Ethanol-water molecules **167**
- Fuoss-Hsia equation **26**
- Gartner-Butler equation **114**
- Glassy carbon electrode **145**
- Golinkin-Hyne equation **31**
- Gouy interferometry **162**
- HOMO **107**
- Hydrogen evolution **89**
- Inhibition efficiency **46, 99**
- Inhibitor interface, **39**
- Ionic strength **181**
- Iron(II) complexes **145**
- Langmuir adsorption isotherm **109**
- LUMO **107**
- Macrocyclic **167**
- Macromolecules **167**
- Metal matrix composites **13**
- Metalloporphyrine **3, 4**
  - of iron **4**
  - of manganese **4**
- Mixed-type inhibitors **53**
- Modified electrode **3**
- Mott-Schottky method **115**
- Mutual diffusion coefficients **161**
- Ni(II) complexes **167**
- Open-ended capillary cell **159**
- Paladium determination **137**
- Passivation **35**
- Passive films **113**
- Phenylthiosemicarbazone derivative **45**
- Photoelectrochemistry **113**
- Pitting corrosion **25**
  - of aluminium **37**
- Pitting potential **13**
- Pitzer equations **181**
- Pitzer model **187**
- Platinum alloys **139**
- Polarization curves **101**
- Polymer modified electrode **55**
- Poole-Frenkel effect **113**
- Potentiodynamic curves **37, 38**
- Propylene carbonate **23**
- Pyrazole complexes **145**
- Pyridilmethylchitosan **55**
- Pyrrole **3, 4, 5**
- Quantum chemical parameters **108**
- Quantum efficiency **120**
- Rayleigh interferometry **162**
- RBS **18**
- Ruthenium complex **55**
- Semiconductor **113**
- Space charge region **127**
- Stainless steel **113**
  - iron-cromium **113**
  - iron-cromium-niquel **113**
  - iron-cromium-niquel-molibdenum **113**
- Surface coverage **102**

- Surfactants, **35**
- Tafel behaviour **101**
- Tafel plot **47**
- Temkin adsorption isotherm **45**
- Thermodynamic factor **163**
- Thermodynamic parameters **105**
- Thiourea **89**
- Transport properties **159**
- Van't Hoff plot **82**
- Weight-loss **101**
- Zinc-glycine complexes **89**
- Zn(II) complexes **167**

AUTHORS

- |                        |                             |
|------------------------|-----------------------------|
| ABD EL-MAKSOU, S.A. 35 | PAIVA, T.I. 13              |
| ABRANTES, L.M. 3       | RANGEL, C.M. 13             |
| AREVALILLO, A.M. 145   | RODRIGUES, C.A. 55          |
| BARRIADA, J.L. 181     | SASTRE DE VICENTE, M.E. 181 |
| BEGUM, S.S. 89         | SIMÕES, A.M.P. 113          |
| BRANDARIZ, I. 181      | SOLAK, A.O. 167             |
| CORDAS, C.M. 3         | STADLER, E. 55              |
| CORREIA, J.P. 3        | VALENTE, A.J.M. 159         |
| CUNHA BELO, M. 113     | VIANA, C.A.V. 23            |
| DILO, M. 23            | VILARIÑO, T. 181            |
| EL-BATOUTI, M. 71      | WEDEL, M. 3                 |
| EL-EWADY, G.Y. 99      | YILMAZ, S. 167              |
| EL-NAGGAR, G.A. 71     | ZAGHLOUL, A.A. 71           |
| EL-SHAFEI, A.A. 35     |                             |
| ERDOĞAN, B. 167        |                             |
| FERREIRA, M.G.S. 113   |                             |
| FOUDA, A.S. 35, 99     |                             |
| GEORGIEVA, M. 137      |                             |
| GOMEZ, M.M. 145        |                             |
| HAKIKI, N.E. 113       |                             |
| KILIÇ, Z. 167          |                             |
| KUMAR, C.S. 89         |                             |
| LOBO, V.M.M. 159       |                             |
| LÓPEZ, V. 145          |                             |
| MAYANNA, S.A. 89       |                             |
| MOHAMED, A.K. 99       |                             |
| MONFORTS, F.P. 3       |                             |
| MOSTAFA, H.A. 45, 99   |                             |
| MURALIDHARAN, V.S. 89  |                             |



Portugaliae  
Electrochimica  
Acta

*Journal of the Portuguese Electrochemical Society*

Society Officers

Prof. JOSÉ L.F.C. LIMA  
*President*

CEQUP / Faculdade de Farmácia  
Universidade do Porto  
Rua Aníbal Cunha 164  
4050 Porto  
E-mail: limajlfc@ff.up.pt

Prof. CARLOS A.S. PALITEIRO  
*Vice-President*

Departamento de Química  
Fac. de Ciências e Tecnologia  
Universidade de Coimbra  
3040 Coimbra  
E-mail: paliteir@ci.uc.pt

Prof. ANTÓNIO M. NETO VAZ  
*Treasurer*

Dep. Química  
Universidade de Évora  
Rua Romão Ramalho 59  
7000-671 Évora  
E-mail: nvaz@uevora.pt

Prof. AQUILES J.A. BARROS  
*Secretary*

Departamento de Química  
Faculdade de Ciências  
Rua Campo Alegre, 687  
4150 Porto  
e-mail: ajbarros@fc.up.pt

Prof. M. FÁTIMA C. GUEDES DA SILVA  
*Director of Publications*

Complexo I,  
Instituto Superior Técnico  
Av. Rovisco Pais  
1049-001 Lisboa  
E-mail: : fatima.guedes@ist.utl.pt

Prof. LUÍSA M.D.R. MARTINS  
*Co-Director of Publications*

Complexo I  
Instituto Superior Técnico  
Av. Rovisco Pais  
1049-001 Lisboa  
E-mail: luisamartins@ist.utl.pt

Those interested in membership of the Society  
should apply to the SECRETARY.

Subscription form

*Portugaliae Electrochimica Acta*, the Journal of the  
Portuguese Electrochemical Society.

Subscription free to members of the Portuguese Electrochemical Society.  
Subscription to non members: 4 000PTE.

Those interested in the journal should fill in the overleaf form and send it to the EDITORS.