

## PUBLICATIONS 1990

1. R. Cortès, M. Froment, A. Hugot-Le Goff, S. Joiret, “*Characterization of passive films on Ni and Ni alloys by reflEXAFS and Raman spectroscopy*”, Corrosion Science, **31** (1990) 121-127 [10.1016/0010-938X\(90\)90099-Q](https://doi.org/10.1016/0010-938X(90)90099-Q) ([hal-04575569](https://hal.archives-ouvertes.fr/hal-04575569))
2. C. Gabrielli, M. Keddam, H. Takenouti, “*New advances in the investigation of passivation mechanisms and passivity by combination of a.c. relaxation techniques : impedance, RRDE and quartz electrogravimetry*”, Corrosion Science, **31** (1990) 129-137 ([hal-04575585](https://hal.archives-ouvertes.fr/hal-04575585)) [10.1016/0010-938X\(90\)90100-J](https://doi.org/10.1016/0010-938X(90)90100-J)
3. J. Hazan, C. Coddet, M. Keddam, “*Study of chromate coatings on zinc by means of D.C, A.C and gravimetric methods in alkaline electrolyte – correlation to humid-storage test and to Cr Vi content of the conversion film*”, Corrosion Science, **31** (1990) 313-318 ([hal-04575602](https://hal.archives-ouvertes.fr/hal-04575602)) [10.1016/0010-938X\(90\)90125-O](https://doi.org/10.1016/0010-938X(90)90125-O)
4. A. Benzekri, R. Carranza, M. Keddam, H. Takenouti, “*Ac response of RRDE during the passivation of iron*”, Corrosion Science, **31** (1990) 627-635 [10.1016/0010-938X\(90\)90172-2](https://doi.org/10.1016/0010-938X(90)90172-2) ([hal-04575612](https://hal.archives-ouvertes.fr/hal-04575612))
5. C. Cachet, B. Saidani, R. Wiart, “*Charge et décharge de l'électrode de zinc en milieu alcalin à travers une couche inhibitrice interfaciale*”, Revue Générale de L'Electricité, **3** (1990) 20-24 ([hal-04575633](https://hal.archives-ouvertes.fr/hal-04575633))
6. L. Beaunier, F. Salihi, “*Grain boundaries corrosion of Ni-Mo alloys by electrochemical etching*”, J. de Physique, **51** (1990) C1-429-C1-434 [10.1051/jphyscol:1990166](https://doi.org/10.1051/jphyscol:1990166) ([jpa-00230333](https://hal.archives-ouvertes.fr/jpa-00230333))
7. C. Vignaud, L. Beaunier, M. Biscondi, “*Grain boundary corrosion, structure and segregation in nickel bicrystals*”, J. de Physique, **51** (1990) C1-697-C1-702 [10.1051/jphyscol:1990111](https://doi.org/10.1051/jphyscol:1990111) ([jpa-00230019](https://hal.archives-ouvertes.fr/jpa-00230019))
8. J.P. Briand, G. Ban, M. Froment, M. Keddam, F. Abel, “*Cold fusion rates in titanium foils*”, Physics Letters A, **145** (1990) 187-191 [10.1016/0375-9601\(90\)90677-G](https://doi.org/10.1016/0375-9601(90)90677-G) ([hal-04575673](https://hal.archives-ouvertes.fr/hal-04575673))
9. S. Fouache-Ayoub, M. Garreau, P.V.S.S. Prabhu, J. Thévenin, “*Mass-transport properties of lithium surface layers formed in sulfolane-based electrolytes*”, J. Electrochem. Soc., **137** (1990) 1659-1665 [10.1149/1.2086767](https://doi.org/10.1149/1.2086767) ([hal-04576087](https://hal.archives-ouvertes.fr/hal-04576087))
10. V. Sobolik, O. Wein, O. Gil, B. Tribollet, “*Three-segment electrodiffusion probes for measuring velocity fields close to a wall*”, Experiments in Fluids, **9** (1990) 43-48 [10.1007/BF00575334](https://doi.org/10.1007/BF00575334) ([hal-04576088](https://hal.archives-ouvertes.fr/hal-04576088))
11. H. Cachet, M. Froment, A. Messad, “*Photoinduced metal deposition on sprayed SnO<sub>2</sub> films*”, J. Electroanal. Chem., **284** (1990) 263-268 [10.1016/0022-0728\(90\)87079-Y](https://doi.org/10.1016/0022-0728(90)87079-Y) ([hal-04576089](https://hal.archives-ouvertes.fr/hal-04576089))
12. C. Deslouis, O. Gil, V. Sobolik, “*Electrodiffusional probe for measurement of the wall shear rate vector*”, Int. J. Heat Mass Transfer, **33** (1990) 1363-1366 [10.1016/0017-9310\(90\)90266-W](https://doi.org/10.1016/0017-9310(90)90266-W) ([hal-04576110](https://hal.archives-ouvertes.fr/hal-04576110))

13. P. Allongue, E. Souteyrand, “*Metal electrodeposition on semiconductors. Part I. Comparison with glassy carbon in the case of platinum deposition*”, J. Electroanal. Chem., **286** (1990) 217-237 [10.1016/0022-0728\(90\)85074-F](https://doi.org/10.1016/0022-0728(90)85074-F) [hal-04576282](https://hal.archives-ouvertes.fr/hal-04576282)
14. R. Wiart, “*Elementary steps of electrodeposition analysed by means of impedance spectroscopy*”, Electrochim. Acta, **35** (1990) 1587-1593 [10.1016/0013-4686\(90\)80014-F](https://doi.org/10.1016/0013-4686(90)80014-F) [hal-04576296](https://hal.archives-ouvertes.fr/hal-04576296)
15. O. Aaboubi, J.P. Chopart, J. Douglade, A. Olivier, C. Gabrielli, B. Tribollet, “*Magnetic field effects on mass transport*”, J. Electrochem. Soc., **137** (1990) 1796-1804 [10.1149/1.2086807](https://doi.org/10.1149/1.2086807) [hal-04576467](https://hal.archives-ouvertes.fr/hal-04576467)
16. C. Deslouis, O. Gil, B. Tribollet, “*Frequency response of electrochemical sensors to hydrodynamic fluctuations*”, J. Fluid Mech., **215** (1990) 85-100 [10.1017/S0022112090002567](https://doi.org/10.1017/S0022112090002567) [hal-04576485](https://hal.archives-ouvertes.fr/hal-04576485)
17. R. Wiart, C. Cachet, C. Bozhkov, S. Rashkov, “*On the nature of the “induction period” during the electrowinning of zinc from nickel containing sulphate electrolytes*”, J. Applied Electrochem., **20** (1990) 381-389 [10.1007/BF01076045](https://doi.org/10.1007/BF01076045) [hal-04582840](https://hal.archives-ouvertes.fr/hal-04582840)
18. C. Gabrielli, F. Huet, M. Keddami, R. Oltra, “*A review of the probabilistic aspects of localized corrosion*”, Corrosion Nace, **46** (1990) 266-278 [10.5006/1.3585102](https://doi.org/10.5006/1.3585102) [hal-04879547](https://hal.archives-ouvertes.fr/hal-04879547)
19. S. Chechirlian, P. Eichner, M. Keddami, H. Takenouti, H. Mazille, “*A specific aspect of impedance measurements in low conductivity media. Artefacts and their interpretations*”, Electrochim. Acta, **35** (1990) 1125-1131 [10.1016/0013-4686\(90\)80027-L](https://doi.org/10.1016/0013-4686(90)80027-L) [hal-04582868](https://hal.archives-ouvertes.fr/hal-04582868)
20. C. Deslouis, M.M. Musiani, B. Tribollet, “*Mediated oxidation of hydroquinone on poly(N-ethylcarbazole) : analysis of transport and kinetic phenomena by impedance techniques*”, Synthetic Metals, **38** (1990) 195-203 [10.1016/0379-6779\(90\)90104-S](https://doi.org/10.1016/0379-6779(90)90104-S) [hal-04582887](https://hal.archives-ouvertes.fr/hal-04582887)
21. C. Deslouis, B. Tribollet, “*Flow modulation technique and EHD impedance : a tool for electrode processes and hydrodynamic studies*”, Electrochim. Acta, **35** (1990) 1637-1648 [10.1016/0013-4686\(90\)80020-O](https://doi.org/10.1016/0013-4686(90)80020-O) [hal-04582897](https://hal.archives-ouvertes.fr/hal-04582897)
22. J.P. Briand, M. Froment, “*La fusion « froide » : 15 mois après*”, La Recherche, **225** (1990) 1282-1284 [hal-04879570](https://hal.archives-ouvertes.fr/hal-04879570)
23. J. Daillant, L. Bosio, J.J. Benattar, “*X-ray reflectivity study of the liquid-expanded liquid-condensed phase transition*”, Europhysics Letters, **12** (1990) 715-720 [10.1209/0295-5075/12/8/008](https://doi.org/10.1209/0295-5075/12/8/008) [hal-04583023](https://hal.archives-ouvertes.fr/hal-04583023)
24. C. Gabrielli, M. Keddami, H. Takenouti, “*New trends in the investigation of electrochemical systems by impedance techniques : multi-transfer function analysis*”, Electrochim. Acta, **35** (1990) 1553-1557 [10.1016/0013-4686\(90\)80009-D](https://doi.org/10.1016/0013-4686(90)80009-D) [hal-04583047](https://hal.archives-ouvertes.fr/hal-04583047)
25. R. Oltra, M. Keddami, “*Application of EIS to localized corrosion*”, Electrochim. Acta, **35** (1990) 1619-1629 [10.1016/0013-4686\(90\)80018-J](https://doi.org/10.1016/0013-4686(90)80018-J) [hal-04583232](https://hal.archives-ouvertes.fr/hal-04583232)
26. J. Daillant, J.J. Benattar, L. Bosio, “*X-ray reflectivity study of monolayers of amphiphilics at the air-water interface*”, J. Physics : Condensed Matter, **2** (1990) 405-410 [10.1088/0953-8984/2/S/064](https://doi.org/10.1088/0953-8984/2/S/064) [hal-04879584](https://hal.archives-ouvertes.fr/hal-04879584)

27. C. Cachet, R. Wiart, “Zinc deposition and passivated hydrogen evolution in highly acidic sulphate electrolytes : depassivation by nickel impurities”, J. Applied Electrochem., **20** (1990) 1009-1014 [10.1007/BF01019581](https://doi.org/10.1007/BF01019581) ([hal-04583245](#))
28. C. Kollia, N. Spyrellis, J. Amblard, M. Froment, G. Maurin, “Nickel plating by pulse electrolysis : textural and microstructural modifications due to adsorption/desorption phenomena”, J. Applied Electrochem., **20** (1990) 1025-1032 [10.1007/BF01019584](https://doi.org/10.1007/BF01019584) ([hal-04583259](#))
29. A. Hugot-Le Goff, J. Flis, N. Boucherit, S. Joiret, J. Wilinski, “Use of Raman spectroscopy and rotating split ring disk electrode for identification of surface layers on iron in 1M NaOH”, J. Electrochem. Soc., **137** (1990) 2684-2690 [10.1149/1.2087010](https://doi.org/10.1149/1.2087010) ([hal-04583267](#))
30. C. Deslouis, O. Gil, B. Tribollet, “Frequency response of electrochemical sensors in a cone-and-plate modulated flow”, Int. J. Heat Mass Transfer, **33** (1990) 2525-2532 [10.1016/0017-9310\(90\)90010-R](https://doi.org/10.1016/0017-9310(90)90010-R) ([hal-04583277](#))
31. M.C. Hugon, C. Arena, B. Agius, M. Froment, F. Varnière, C. Vignaud, “Structure and properties of rf magnetron sputtered W films”, Microsc. Microanal. Microstruct., **2** (1990) 175-187 [10.1051/mmm:0199000103017500](https://doi.org/10.1051/mmm:0199000103017500) ([hal-04583298](#))
32. C. Gauthier, I. Ascone, J. Goulon, R. Cortès, J.M. Barbe, R. Guilard, “First experimental evidence of circularly polarized X-ray excited optical luminescence (XEOL) from chiral Eu<sup>3+</sup> complexes”, Chemical Physics, **147** (1990) 165-172 [10.1016/0301-0104\(90\)85032-R](https://doi.org/10.1016/0301-0104(90)85032-R) ([hal-04583320](#))
33. S. Cordoba-Torresi, C. Gabrielli, M. Keddam, H. Takenouti, R. Torresi, “Role of ion exchange in the redox processes of a polyaniline film studied by an ac quartz crystal microbalance”, J. Electroanal. Chem., **290** (1990) 269-274 [10.1016/0022-0728\(90\)87437-O](https://doi.org/10.1016/0022-0728(90)87437-O) ([hal-04583508](#))
34. T. Clessienne, C. Gabrielli, F. Huet, G. Molle, G. Spach, “Analysis of the alamethicin induced single channel conductance fluctuations in lipid bilayers as a birth and death process”, J. Electroanal. Chem., **296** (1990) 429-444 [10.1016/0022-0728\(90\)87263-J](https://doi.org/10.1016/0022-0728(90)87263-J) ([hal-04879614](#))
35. I. Pezron, M. Djabourov, L. Bosio, J. Leblond, “X-ray diffraction of gelatin fibers in the dry and swollen states”, J. Polymer Science B : Polymer Physics, **28** (1990) 1823-1839 [10.1002/polb.1990.090281013](https://doi.org/10.1002/polb.1990.090281013) ([hal-04583522](#))
36. S. Ferdjani, D. David, G. Béranger, A. Hugot-Le Goff, S. Hild, E.A. Garcia, “Oxydation anodique du titane en milieu phosphorique. Etude analytique et structurale de l'oxyde”, Microsc. Microanal. Microstruct., **1** (1990) 275-287 [10.1051/mmm:0199000104027500](https://doi.org/10.1051/mmm:0199000104027500) ([hal-04583531](#))
37. R.P. Frankenthal, J.R. Galvane, K.E. Heusler, R.W. Staehle, M.B. Ives, M. Froment & al, “The present status and prospects of corrosion science and engineering –round table discussion”, Corrosion Science, **31** (1990) 763-768 [10.1016/0010-938X\(90\)90194-A](https://doi.org/10.1016/0010-938X(90)90194-A) ([hal-04585046](#))

## PUBLICATIONS 1991

1. P. Allongue, R. Tenne, “Primary reactions in the photocorrosion of CdSe through photocapacitance measurements”, J. Electrochem. Soc., **138** (1991) 261-268 [10.1149/1.2085553](https://doi.org/10.1149/1.2085553) ([hal-04550019](#))

2. D. Thierry, D. Persson, C. Leygraf, N. Boucherit, A. Hugot-Le Goff, “*Raman spectroscopy and XPS investigations of anodic corrosion films formed on Fe-Mo alloys in alkaline solutions*”, Corrosion Science, **32** (1991) 273-284 [10.1016/0010-938X\(91\)90073-X](https://doi.org/10.1016/0010-938X(91)90073-X) [\(hal-04557082\)](#)
3. J. Daillant, L. Bosio, B. Harzallah, J.J. Benattar, “*Structural properties and elasticity of amphiphilics on water*”, J. Phys. II, **1** (1991) 149-170 [10.1051/jp2:1991102](https://doi.org/10.1051/jp2:1991102) [\(jpa-00247504\)](#)
4. P. Allongue, S. Blonkowski, D. Lincot, “*Study of reaction coupling and interfacial kinetics at semiconductors electrodes by band edge shift measurements*”, J. Electroanal. Chem., **300** (1991) 261-281 [10.1016/0022-0728\(91\)85399-A](https://doi.org/10.1016/0022-0728(91)85399-A) [\(hal-04557093\)](#)
5. J. Bruneaux, H. Cachet, M. Froment, A. Messad, “*Correlation between structural and electrical properties of sprayed tin oxide films with and without fluorine doping*”, Thin Solid film, **197** (1991) 129-142 [10.1016/0040-6090\(91\)90226-N](https://doi.org/10.1016/0040-6090(91)90226-N) [\(hal-04557098\)](#)
6. N. Boucherit, A. Hugot-Le Goff, S. Joiret, “*Raman studies of corrosion films grown on Fe and Fe-6Mo in pitting conditions*”, Corrosion Science, **32** (1991) 497-507 [10.1016/0010-938X\(91\)90103-V](https://doi.org/10.1016/0010-938X(91)90103-V)
7. C. Cachet, B. Saïdani, R. Wiart, “*The behavior of zinc electrode in alkaline electrolytes. Part I. A kinetic analysis of cathodic deposition*”, J. Electrochem. Soc., **138** (1991) 678-687 [10.1149/1.2085657](https://doi.org/10.1149/1.2085657) [\(hal-04557144\)](#)
8. C. Gabrielli, F. Huet, M. Keddou, R. Torresi, “*Investigation of bubble evolution with a quartz crystal microbalance*”, J. Electroanal. Chem., **297** (1991) 515-522 [10.1016/0022-0728\(91\)80046-S](https://doi.org/10.1016/0022-0728(91)80046-S) [\(hal-04557182\)](#)
9. R. E. Singler, R.A. Willingham, C. Noel, C. Friedrich, L. Bosio, E. Atkins, “*Thermotropic liquid crystalline poly(organophosphazene)*”, Macromolécules, **24** (1991) 510-516 [10.1021/ma00002a026](https://doi.org/10.1021/ma00002a026) [\(hal-04557195\)](#)
10. Z. Loizos, N. Spyrellis, G. Maurin, D. Pottier, “*Structural and semiconducting characteristics of electrodeposited cadmium chalcogenide thin films*”, Surface and Coatings Technology, **45** (1991) 273-279 [10.1016/0257-8972\(91\)90233-M](https://doi.org/10.1016/0257-8972(91)90233-M) [\(hal-04557301\)](#)
11. J. Bruneaux, H. Cachet, M. Froment, A. Messad, “*Electrochemical properties of surface modified sprayed SnO<sub>2</sub> films*”, Electrochim. Acta, **36** (1991) 1787-1792 [10.1016/0013-4686\(91\)85045-9](https://doi.org/10.1016/0013-4686(91)85045-9) [\(hal-04557308\)](#)
12. A. Bizid, L. Bosio, A. Defrain, M. Oumezzine, “*Temperature and pressure-induced phase transitions in ice*”, Phase Transitions, **31** (1991) 187-196 [10.1080/01411599108206929](https://doi.org/10.1080/01411599108206929) [\(hal-04557319\)](#)
13. M.C. Bellissent-Funel, L. Bosio, J. Texeira, “*The inelasticity correction for liquid water in neutron scattering*”, J. Physics : Condensed Matter, **3** (1991) 4065-4074 [10.1088/0953-8984/3/22/016](https://doi.org/10.1088/0953-8984/3/22/016) [\(hal-04557330\)](#)
14. C. Gabrielli, M. Keddou, R. Torresi, “*Calibration of the electrochemical quartz crystal microbalance*”, J. Electrochem. Soc., **9** (1991) 2657-2660 [10.1149/1.2086033](https://doi.org/10.1149/1.2086033) [\(hal-04557347\)](#)
15. C. Gabrielli, “*Les 1001 utilisations des fonctions de transfert en électrochimie*”, Spectra 2000, **159** (1991) 24-34 [10.1016/0010-938X\(91\)90103-V](https://doi.org/10.1016/0010-938X(91)90103-V) [\(hal-04557377\)](#)

16. J.J. Benattar, J. Daillant, L. Bosio, “Phase transitions elasticity and capillary waves in langmuir monolayers on water : an x-ray optical study”, *Phase Transitions*, **30** (1991) 79-90  
[10.1080/01411599108207966](https://doi.org/10.1080/01411599108207966) ([hal-04557417](#))
17. C. Deslouis, A. Ezzidi, B. Tribollet, “Mass transfer enhancement by suspensions in a shear flow”, *J. Applied Electrochem.*, **21** (1991) 1081-1086 [10.1007/BF01041451](https://doi.org/10.1007/BF01041451) ([hal-04557756](#))
18. A. La Barbera, A. Mignone, S. Tosto, C. Vignaud, “Intergranular corrosion behaviour of AISI 316 stainless steel electron-beam clad on plain carbon steel”, *J. Materials Science Letters*, **10** (1991) 1370-1373 [10.1007/BF00735681](https://doi.org/10.1007/BF00735681) ([hal-04558788](#))
19. A. La Barbera, A. Mignone, S. Tosto, C. Vignaud, “Electron beam cladding and alloying of AISI 316 on plain carbon steel : microstructure and electrochemical corrosion behaviour”, *Surface and Coatings Technology*, **46** (1991) 317-329 [10.1016/0257-8972\(91\)90174-U](https://doi.org/10.1016/0257-8972(91)90174-U) ([hal-04558796](#))
20. C. Gabrielli, F. Huet, M. Keddam, “Real-time measurement of electrolyte resistance fluctuations”, *J. Electrochem. Soc.*, **138** (1991) L82-L84 [10.1149/1.2085517](https://doi.org/10.1149/1.2085517) ([hal-04557773](#))
21. P. Allongue, S. Blonkowski, “Corrosion of III-V compounds; a comparative study of GaAs and InP. Part I. Electrochemical characterization based on Tafel plot measurements”, *J. Electroanal. Chem.*, **316** (1991) 57-77 [10.1016/0022-0728\(91\)87036-4](https://doi.org/10.1016/0022-0728(91)87036-4) ([hal-04557787](#))
22. P. Allongue, S. Blonkowski, “Corrosion of III-V compounds; a comparative study of GaAs and InP. Part II. Reaction scheme and influence of surface properties”, *J. Electroanal. Chem.*, **317** (1991) 77-99 [10.1016/0022-0728\(91\)85004-9](https://doi.org/10.1016/0022-0728(91)85004-9) ([hal-04557800](#))
23. Z. Loizos, N. Spyrellis, G. Maurin, “Electrochemical synthesis of semiconducting CdSe thin films”, *Thin Solid Films*, **204** (1991) 139-149 [10.1016/0040-6090\(91\)90500-W](https://doi.org/10.1016/0040-6090(91)90500-W) ([hal-04557814](#))
24. C. Deslouis, B. Tribollet, M.A. Vorotyntsev, “Diffusion-convection impedance at small electrodes”, *J. Electrochem. Soc.*, **138** (1991) 2651-2657 [10.1149/1.2086032](https://doi.org/10.1149/1.2086032) ([hal-04557827](#))
25. D. Thierry, D. Massinon, A. Hugot-Le Goff, “In situ determination of corrosion products formed on painted galvanized steel by Raman spectroscopy”, *J. Electrochem. Soc.*, **138** (1991) 879-880 [10.1149/1.2085702](https://doi.org/10.1149/1.2085702) ([hal-04557843](#))
26. S.I. Cordoba-Torresi, C. Gabrielli, A. Hugot-Le Goff, R. Torresi, “Electrochromic behavior of nickel oxide electrodes. Part I. Identification of the colored state using quartz crystal microbalance”, *J. Electrochem. Soc.*, **138** (1991) 1548-1553 [10.1149/1.2085830](https://doi.org/10.1149/1.2085830) ([hal-04557853](#))
27. S.I. Cordoba-Torresi, A. Hugot-Le Goff, S. Joiret, “Electrochromic behavior of nickel oxide electrodes. Part II. Identification of the bleached state by Raman spectroscopy and nuclear reactions”, *J. Electrochem. Soc.*, **138** (1991) 1554-1559 [10.1149/1.2085831](https://doi.org/10.1149/1.2085831) ([hal-04557862](#))
28. P. Bernard, C. Gabrielli, M. Keddam, H. Takenouti, J. Leonardi, P. Blanchard, “Ac quartz crystal microbalance applied to the studies of the nickel hydroxide behaviour in alkaline solutions”, *Electrochim. Acta*, **36** (1991) 743-746 [10.1016/0013-4686\(91\)85166-5](https://doi.org/10.1016/0013-4686(91)85166-5) ([hal-04557874](#))
29. J. Daillant, L. Bosio, J.J. Benattar, C. Blot, “Interaction of cations with a fatty acid monolayer. A grazing incidence x-ray fluorescence and reflectivity study”, *Langmuir*, **7** (1991) 611-614  
[10.1021/la00052a001](https://doi.org/10.1021/la00052a001) ([hal-04557895](#))

30. C. Gabrielli, H. Takenouti, O. Haas, A. Tsukada, “*Impedance investigation of the charge transport in film-modified electrodes*”, J. Electroanal. Chem., **302** (1991) 59-89 [10.1016/0022-0728\(91\)85032-K](https://doi.org/10.1016/0022-0728(91)85032-K) ([hal-04557918](#))
31. C. Zentz, S. El Antri, S. Pin, R. Cortès, A. Massat, M. Simon, B. Alpert, “*Alteration of heme axial ligands in hemoglobin by organic solvents analyzed by CD, FTIR, and XANES techniques*”, Biochemistry, **30** (1991) 2804-2810 [10.1021/bi00225a010](https://doi.org/10.1021/bi00225a010) ([hal-04559148](#))
32. B. Poumellec, R. Cortès, G. Tourillon, J. Berthon, “*Angular dependence of the Ti K edge in rutile TiO<sub>2</sub>*”, Phys. Stat. Sol. (b), **164** (1991) 319-326 [10.1002/pssb.2221640135](https://doi.org/10.1002/pssb.2221640135) ([hal-04883619](#))
33. M.C. Hugon, B. Agius, F. Varniere, C. Dubon-Chevallier, J.F. Bresse, M. Froment, “*Thermally stable low resistance ohmic contacts to n-type gallium arsenide : magnetron cathodic sputter-deposited NiInW contacts*”, Applied Physics Letters, **58** (1991) 2773-2775 [10.1063/1.104782](https://doi.org/10.1063/1.104782) ([hal-04559174](#))
34. C. Deslouis, M.M. Musiani, C. Pagura, B. Tribollet, “*Determination of kinetic parameters of Fe<sup>3+</sup> reduction mediated by a polyaniline film using steady-state and impedance methods*”, J. Electrochem. Soc., **9** (1991) 2606-2612 [10.1149/1.2086024](https://doi.org/10.1149/1.2086024) ([hal-04557945](#))

## PUBLICATIONS 1992

1. A. Khalil, P. Sassiati, C. Colin, C. Meignen, C. Garnier, C. Gabrielli, M. Keddam, R. Rosset, “*Caractérisation du pouvoir incrustant d’une eau par chronoélectrogravimétrie au moyen d’une microbalance à quartz*”, C.R. Acad. Sci. Paris, **314** (1992) 145-149 ([hal-04530767](#))
2. O.E. Barcia, O.R. Mattos, B. Tribollet, “*Anodic dissolution of iron in acid sulfate under mass transport control*”, J. Electrochem. Soc., **139** (1992) 446-453 [10.1149/1.2069238](https://doi.org/10.1149/1.2069238) ([hal-04530242](#))
3. C. Cachet, B. Saidani, R. Wiart, “*The behavior of zinc electrode in alkaline electrolytes. Part II. A kinetic analysis of anodic dissolution*”, J. Electrochem. Soc., **139** (1992) 644-654 [10.1149/1.2069279](https://doi.org/10.1149/1.2069279) ([hal-04530249](#))
4. B. Ba, H. Cachet, B. Fotouhi, O. Gorochoy, “*Surface evolution of n-GaAs in contact with acetonitrile solutions studied by electrochemical impedance spectroscopy*”, Electrochim. Acta, **37** (1992) 309-316 [10.1016/0013-4686\(92\)85017-F](https://doi.org/10.1016/0013-4686(92)85017-F) ([hal-04530307](#))
5. P. Allongue, S. Blonkowski, E. Souteyrand, “*Experimental investigation of charge transfer at the semiconductor/electrolyte junction*”, Electrochim. Acta, **37** (1992) 781-797 [10.1016/0013-4686\(92\)85032-G](https://doi.org/10.1016/0013-4686(92)85032-G) ([hal-04530312](#))
6. E. Chassaing, R. Wiart, “*Electrocrystallization mechanism of Zn-Ni alloys in chloride electrolytes*”, Electrochim. Acta, **37** (1992) 545-553 [10.1016/0013-4686\(92\)87047-4](https://doi.org/10.1016/0013-4686(92)87047-4) ([hal-04530326](#))
7. L. Bosio, G.P. Johari, M. Oumezzine, J. Texeira, “*X-ray and neutron scattering studies of the structure of water in a hydrogel*”, Chem. Phys. Letters, **188** (1992) 113-118 [10.1016/0009-2614\(92\)85098-U](https://doi.org/10.1016/0009-2614(92)85098-U) ([hal-04530417](#))

8. S. W. Barton, L. Bosio, R. Cortès, F. Rondelez, "X-ray evanescent wave-induced fluorescence study of polymer adsorption below the theta-point", *Europhysics Letters*, **17** (1992) 401-406 [10.1209/0295-5075/17/5/004](https://doi.org/10.1209/0295-5075/17/5/004) [\(hal-04530422\)](#)
9. F. Rochet, H. Roulet, G. Dufour, S. Carniato, C. Guillot, N. Barrett, M. Froment, "Si(001) vicinal surface oxidation in O<sub>2</sub> : angle-resolved Si 2p core-level study using synchrotron radiation", *Applied Surface Science*, **59** (1992) 117-134 [10.1016/0169-4332\(92\)90296-A](https://doi.org/10.1016/0169-4332(92)90296-A) [\(hal-04530441\)](#)
10. A. Nemetz, A. Temmink, K. Bange, S. Cordoba-Torresi, C. Gabrielli, R. Torresi, A. Hugot-Le Goff, "Investigations and modelling of e<sup>-</sup>-beam evaporated NiO(OH)<sub>x</sub> films", *Solar Energy Materials & Solar Cells*, **25** (1992) 93-103 [10.1016/0927-0248\(92\)90019-L](https://doi.org/10.1016/0927-0248(92)90019-L) [\(hal-04530481\)](#)
11. M.C. Bernard, S. Cordoba-Torresi, A. Hugot-Le Goff, "Electrochromic phenomena in polyaniline films. Effect of pH and influence of the sweep range on cycling lifetimes studied by in situ Raman spectroscopy", *Solar Energy Materials & Solar Cells*, **25** (1992) 225-240 [10.1016/0927-0248\(92\)90070-6](https://doi.org/10.1016/0927-0248(92)90070-6) [\(hal-04530747\)](#)
12. M.C. Bernard, A. Hugot-Le Goff, "Redox processes in polyaniline thin film studied by optical multichannel analysis", *Surface and Interface Analysis*, **19** (1992) 27-32 [10.1002/sia.740190109](https://doi.org/10.1002/sia.740190109)
13. C. Deslouis, M. El Rhazi, M.M. Musiani, B. Tribollet, "Influence de l'équilibre de protonation de la polyaniline sur la réaction d'échange de l'ion ferrocyanure", *J. Chim. Phys.*, **89** (1992) 1193-1200 [10.1051/jcp/1992891193](https://doi.org/10.1051/jcp/1992891193) [\(hal-04530967\)](#)
14. B. Poumellec, R. Cortès, S. Labdi, H. Raffy, B. Roas, C. Fretigny, "Comparative study of the polarized XANES at the Cu K edge of Bi<sub>2</sub>Sr<sub>2</sub>Ca<sub>1</sub>Cu<sub>2</sub>O<sub>8</sub>, Bi<sub>2</sub>Sr<sub>2</sub>Ca<sub>2</sub>Cu<sub>3</sub>O<sub>10</sub>, and Y<sub>1</sub>Ba<sub>2</sub>Cu<sub>3</sub>O<sub>7</sub> thin films", *Phys. Stat. Sol. (b)*, **170** (1992) 653-673 [10.1002/pssb.2221700231](https://doi.org/10.1002/pssb.2221700231) [\(hal-04174026\)](#)
15. L. Muresan, L. Oniciu, M. Froment, G. Maurin, "Inhibition of lead electrocrystallization by organic additives", *Electrochim. Acta*, **37** (1992) 2249-2254 [10.1016/0013-4686\(92\)85119-6](https://doi.org/10.1016/0013-4686(92)85119-6) [\(hal-04530982\)](#)
16. M.C. Bellissent-Funel, L. Bosio, A. Hallbrucker, E. Mayer, R. Sridi-Dorbez, "X-ray and neutron scattering studies of the structure of hyperquenched glassy water", *J. Chem. Phys.*, **97** (1992) 1282-1286 [10.1063/1.463254](https://doi.org/10.1063/1.463254) [\(hal-04530993\)](#)
17. B. Ba, B. Fotouhi, N. Gabouze, O. Gorochov, H. Cachet, "Dependence of the flat-band potential of n-type GaAs on the redox potential in methanol and acetonitrile", *J. Electroanal. Chem.*, **334** (1992) 263-277 [10.1016/0022-0728\(92\)80577-Q](https://doi.org/10.1016/0022-0728(92)80577-Q) [\(hal-04540627\)](#)
18. H. Cachet, M. Froment, E. Souteyrand, C. Dennig, "Selective metal deposition on silicon substrates", *J. Electrochem. Soc.*, **139** (1992) 2920-2925 [10.1149/1.2069007](https://doi.org/10.1149/1.2069007) [\(hal-04540629\)](#)
19. C.A. Ferreira, A. Aeiayach, P.C. Lacaze, P. Bernard, H. Takenouti, "Quartz crystal microbalance study on the electrochemical dissolution of iron in organic media of different acidities. Application to the formation of polypyrrole films on iron electrodes", *J. Electroanal. Chem.*, **323** (1992) 357-360 [10.1016/0022-0728\(92\)80023-W](https://doi.org/10.1016/0022-0728(92)80023-W) [\(hal-04540638\)](#)
20. A. Jardy, A. Legal Lasalle-Molin, M. Keddam, H. Takenouti, "Copper dissolution in acidic sulphate media studied by QCM and rrde under ac signal", *Electrochim. Acta*, **37** (1992) 2195-2201 [10.1016/0013-4686\(92\)85111-W](https://doi.org/10.1016/0013-4686(92)85111-W) [\(hal-04540645\)](#)

21. C. Gabrielli, F. Huet, A. Sahar, G. Valentin, “*Dynamic analysis of charge transport in fluidized bed electrodes : impedance techniques for electro-inactive beds*”, J. Applied Electrochem., **22** (1992) 801-809 [10.1007/BF01023721](https://doi.org/10.1007/BF01023721) ([hal-04540658](#))
22. C. Gabrielli, F. Huet, M. Keddam, “*Comparison of sine wave and white noise analysis for electrochemical impedance measurements*”, J. Electroanal. Chem., **335** (1992) 33-53 [10.1016/0022-0728\(92\)80230-2](https://doi.org/10.1016/0022-0728(92)80230-2) ([hal-04540665](#))
23. F. Lacour, R. Torresi, C. Gabrielli, A. Caprani, “*Comparison of the quartz-crystal microbalance and the double-layer capacitance methods for measuring the kinetics of the adsorption of bovine serum albumin onto a gold electrode*”, J. Electrochem. Soc., **139** (1992) 1619-1622 [10.1149/1.2069466](https://doi.org/10.1149/1.2069466) ([hal-04540746](#))
24. A. Khalil, P. Sassi, C. Colin, C. Meignen, C. Garnier, C. Gabrielli, M. Keddam, R. Rosset, “*Caractérisation du pouvoir incrustant d’une eau par chronoélectrogravimétrie au moyen d’une microbalance à quartz*”, T.S.M. L’Eau, **05** (1992) 259-263 ([hal-04551384](#))
25. C. Cachet, M. Keddam, V. Mariotte, R. Wiart, “*Adsorption of perfluorinated surfactants on gold electrodes—I. Comparison of non-ionic compounds*”, Electrochim. Acta, **37** (1992) 2377-2383 [10.1016/0013-4686\(92\)85136-9](https://doi.org/10.1016/0013-4686(92)85136-9) ([hal-04540801](#))
26. L. Bosio, R. Cortès, G. Folcher, M. Froment, “*In situ studies of electrochemical interfaces by grazing angle x-ray reflection*”, J. Electrochem. Soc., **139** (1992) 2110-2114 ([hal-04540809](#)) [10.1149/1.2221187](https://doi.org/10.1149/1.2221187)
27. C. Deslouis, O. Gil, B. Tribollet, G. Vlachos, B. Robertson, “*Oxygen as a tracer for measurements of steady and turbulent flows*”, J. Applied Electrochem., **22** (1992) 835-842 [10.1007/BF01023727](https://doi.org/10.1007/BF01023727) ([hal-04540827](#))
28. A.C. West, R.D. Grimm, D. Landolt, C. Deslouis, B. Tribollet, “*Electrohydrodynamic impedance study of anodically formed salt films on iron in chloride solution*”, J. Electroanal. Chem., **330** (1992) 693-706 [10.1016/0022-0728\(92\)80337-4](https://doi.org/10.1016/0022-0728(92)80337-4) ([hal-04549269](#))
29. P. Allongue, H. Brune, H. Gerischer, “*In situ STM observations of the etching of n-Si(111) in NaOH solutions*”, Surface Science, **275** (1992) 414-423 [10.1016/0039-6028\(92\)90814-M](https://doi.org/10.1016/0039-6028(92)90814-M) ([hal-04549283](#))
30. D. Lelièvre, L. Bosio, J. Simon, J.J. André, F. Bensebaa, “*Dimeric substituted copper phthalocyanine liquid crystals. Synthesis, characterization and magnetic properties*”, J. Am. Chem. Soc., **114** (1992) 4475-4479 [10.1021/ja00038a005](https://doi.org/10.1021/ja00038a005) ([hal-04549300](#))
31. M. Keddam, A. Hugot-Le Goff, H. Takenouti, D. Thierry, M.C. Arevalo, “*The influence of a thin electrolyte layer on the corrosion process of zinc in chloride-containing solutions*”, Corrosion Science, **33** (1992) 1243-1252 [10.1016/0010-938X\(92\)90133-N](https://doi.org/10.1016/0010-938X(92)90133-N) ([hal-04549315](#))
32. A. Le Gal La Salle, A. Jardy, R. Rosset, M. Keddam, A. Caramel, D. Noel, “*Corrosion, passivation et protection du cuivre en solutions aqueuses. I. Mécanisme cyclique de la corrosion*”, Revue de Métallurgie, **03** (1992) 171-182 ([hal-04549562](#))
33. N. Boucherit, A. Hugot-Le Goff, S. Joiret, “*Influence of Ni, Mo, and Cr on pitting corrosion of steels studied by Raman spectroscopy*”, Corrosion Nace, **48** (1992) 569-579 ([hal-04549578](#)) [10.5006/1.3315974](https://doi.org/10.5006/1.3315974)

34. L. Allemand, M. Froment, G. Maurin, E. Souteyrand, “*Structure of nickel thin films electrodeposited on n-GaAs single crystals*”, *Microsc. Microanal. Microstruct.*, **3** (1992) 401-413 [10.1051/mmm:0199200305040100](https://doi.org/10.1051/mmm:0199200305040100) [\(hal-04549817\)](#)
35. V. Bouet, C. Gabrielli, G. Maurin, H. Takenouti, “*Application of electrochemical impedance analysis to the characterization of mass transfer in a submerged impinging jet cell*”, *J. Electroanal. Chem.*, **340** (1992) 325-331 [10.1016/0022-0728\(92\)80307-P](https://doi.org/10.1016/0022-0728(92)80307-P) [\(hal-04549827\)](#)
36. B. Tribollet, “*Electrochemical probes for wall turbulence measurements*”, *Trends in Heat, Mass & Momentum Transfer*, **2** (1992) 105-120 [\(hal-04552234\)](#)
37. B. Hannoyer, M. Lenglet, J. Dürr, R. Cortès, “*Spectroscopic evidence of octahedral iron (III) in soda-lime silicate glasses*”, *J. of Non-Crystalline Solids*, **151** (1992) 209-216 [10.1016/0022-3093\(92\)90031-E](https://doi.org/10.1016/0022-3093(92)90031-E) [\(hal-04549843\)](#)
38. C. Gabrielli, M. Keddam, “*Review of applications of impedance and noise analysis to uniform and localized corrosion*”, *Corrosion Nace*, **48** (1992) 794-811 [10.5006/1.3315878](https://doi.org/10.5006/1.3315878) [\(hal-04549847\)](#)
39. M. S. Kent, L. Bosio, F. Rondelez, “*Homopolymer adsorption at the liquid-air interface by XEWIF*”, *Macromolecules*, **25** (1992) 6231-6239 [10.1021/ma00049a020](https://doi.org/10.1021/ma00049a020) [\(hal-04549862\)](#)