

Liste complète des publications à comité de lecture depuis 2003 (au 4 Novembre 2016):

1. Y. Liu, A. Holzinger, P. Knittel, L. Poltorak, A. Gamero-Quijano, W.D.A. Rickard, A. Walcarius, G. Herzog, C. Kranz, D.W.M. Arrigan, Visualization of diffusion within nanoarrays, *Analytical Chemistry*, **2016**, *88*, 6689-6695.
2. T. Nasir, L. Zhang, N. Vilà, G. Herzog, A. Walcarius, Electrografting of 3-aminopropyltriethoxysilane on glassy carbon electrode for the improved adhesion of vertically oriented mesoporous silica thin films, *Langmuir*, **2016**,
3. L. Poltorak, M. Hébrant, M. Afsharian, M. Etienne, G. Herzog, A. Walcarius, Local pH changes triggered by photoelectrochemistry for silica condensation at the liquid-liquid interface. *Electrochimica Acta*, **2016**, *188*, 71–77.
4. L. Poltorak, K. Morakchi, G. Herzog, A. Walcarius, Electrochemical characterization of liquid-liquid micro-interfaces modified with mesoporous silica. *Electrochimica Acta*, **2015**, *179*, 9-15.
5. G. Herzog, Recent developments in electrochemistry at the interface between two immiscible electrolyte solutions for ion sensing, *Analyst*, **2015**, *140*, 3888-3896
6. M. Bueno Serrano, C. Despas, G. Herzog, A. Walcarius, Mesoporous silica thin films for molecular sieving and electrode surface protection against biofouling. *Electrochemistry Communications*, **2015**, *52*, 34-36.
7. L. Poltorak, M. Dossot, G. Herzog, A. Walcarius, Interfacial processes studied by coupling electrochemistry at the polarized liquid-liquid interface with in-situ confocal Raman spectroscopy. *Physical Chemistry Chemical Physics*, **2014**, *16*, 26955-26962.
8. M. Etienne, M. Dossot, J. Grausem, G. Herzog, Combined Raman microspectrometer and shearforce regulated SECM for corrosion and self-healing analysis. *Analytical Chemistry*, **2014**, *86*, 11203-11210.
9. L. Poltorak, G. Herzog, A. Walcarius, Electrochemically assisted generation of silica deposits using a surfactant template at liquid/liquid microinterfaces. *Langmuir*, **2014**, *30*, 11453-11463.
10. P. Vazquez, G. Herzog, C. O'Mahony, J. O'Brien, J. Scully, A. Blake, C. O'Mathuna, P. Galvin, Microscopic gel-liquid interfaces supported by hollow microneedle array for voltammetric drug detection, *Sensors and Actuators B : Chemical*, **2014**, *201*, 572-578.
11. K. Grygoryev, G. Herzog, N. Jackson, J. Strutwolf, D.W.M. Arrigan, K. McDermott, P. Galvin, Reversible integration of microfluidic devices with microelectrode arrays for neurobiological applications, *BioNanoScience*, **2014**, *4*, 263-275.
12. L. Poltorak, G. Herzog, A. Walcarius, In-situ formation of mesoporous silica films controlled by ion transfer voltammetry at the polarized liquid-liquid interface, *Electrochemistry Communications*, **2013**, *37*, 76-79.
13. G. Herzog, N.A. Vodolazkaya, A. Walcarius, Platinum ultramicroelectrodes modified with electrogenerated surfactant-templated mesoporous organosilica films: effect of film formation conditions on its performance in preconcentration analysis, *Electroanalysis*, **2013**, *25*, 2595-2603.
14. G. Herzog, E. Sibottier, M. Etienne, A. Walcarius, Electrochemically assisted self-assembly of ordered and functionalized mesoporous silica films: impact of the electrode geometry and size on film formation and properties, *Faraday Discussions*, **2013**, *164*, 259-273.
15. G. Herzog, W. Moujahid, K. Twomey, C. Lyons, V.I. Ogurtsov, On-chip electrochemical microsystems for measurements of copper and conductivity in artificial seawater, *Talanta*, **2013**, *116*, 26-32.
16. F. Nazneen, M. Schmidt, E. McLoughlin, N. Petkov, G. Herzog, D.W.M. Arrigan, P. Galvin, Impact of surface nano-textured stainless steel prepared by focused ion beam on endothelial cell growth, *Journal of Nanoscience and Nanotechnology*, **2013**, *13*, 5283-5290.
17. G. Herzog, V. Beni, Stripping voltammetry at micro-interfaces: A review, *Analytica Chimica Acta*, **2013**, *769*, 10-21.
18. F. Nazneen, G. Herzog, D.W.M. Arrigan, N. Caplice, P. Benvenuto, P. Galvin, M. Thompson, Surface chemical and physical modification in stent technology for the treatment of coronary artery disease, *Journal of Biomedical Materials Research B : Applied Biomaterials*, **2012**, *100B*, 1989-2014.
19. G. Herzog, S. Flynn, C. Johnson, D.W.M. Arrigan, Electroanalytical behavior of poly-L-Lysine Dendrigrfts at the interface between two immiscible electrolyte solutions, *Analytical Chemistry*, **2012**, *84*, 5693-5699.
20. F. Nazneen, P. Galvin, D.W.M. Arrigan, M. Thompson, P. Benvenuto, G. Herzog, Electropolishing of medical-grade stainless steel in preparation for surface nano-texturing, *Journal of Solid State Electrochemistry*, **2012**, *16*, 1389-1397.

21. K. Dawson, J. Strutwolf, K.P. Rodgers, G. Herzog, D.W.M. Arrigan, A.J. Quinn, A. O'Riordan, Single nanoskived nanowires for electrochemical applications, *Analytical Chemistry*, **2011**, *83*, 5535-5540.
22. J.S. Ellis, G. Herzog, P. Galvin, Towards biomolecule-based information processing using engineered nanopores, *Nano Communication Networks*, **2011**, *2*, 62-73.
23. G. Herzog, M. Nolan, D.W.M. Arrigan, Haemoglobin unfolding studies at the liquid – liquid interface, *Electrochemistry Communications*, **2011**, *13*, 723-725.
24. G. Herzog, S. O'Sullivan, J.S. Ellis, D.W.M. Arrigan, Sensing via voltammetric ion-transfer at an aqueous-organogel micro-interface array, *Sensors Letters*, **2011**, *9*, 721-724.
25. W. Moujahid, P. Eichelmann-Daly, J. Strutwolf, V.I. Ogurtsov, G. Herzog, D.W.M. Arrigan, Microelectrochemical systems on silicon chips for the remote detection of pollutants in seawater, *Electroanalysis*, **2011**, *23*, 147-155.
26. J.S. Ellis, S.Q. Xu, X. Wang, G. Herzog, D.W.M. Arrigan, M. Thompson. Interaction of surface-attached haemoglobin with hydrophobic anions monitored by on-line acoustic wave detector. *Bioelectrochemistry*, **2010**, *79*, 6-10.
27. C. Volcke, R.P. Gandhiraman, V. Gubala, J. Raj, T. Cummins, G. Fonder, R.I. Nooney, Z. Mekhalif, G. Herzog, S. Daniels, D.W.M. Arrigan, A.A. Cafolla, and D.E. Williams. Reactive amine surfaces for biosensor applications, prepared by plasma-enhanced chemical vapour modification of polyolefin materials. *Biosensors & Bioelectronics*, **2010**, *25*, 1875-1880.
28. F. Kivlehan, M. Lefoix, H.A. Moynihan, D. Thompson, V.I. Ogurtsov, G. Herzog, D.W.M. Arrigan. Interaction of acridine-calix[4]arene with DNA at the electrified liquid |liquid interface. *Electrochimica Acta*, **2010**, *55*, 3348-3354.
29. G. Herzog, P. Eichelman-Daly, D.W.M. Arrigan. Electrochemical behaviour of denatured haemoglobin at the liquid | liquid interface. *Electrochemistry Communications*, **2010**, *12*, 335-337.
30. G. Herzog, A. Roger, D. Sheehan, D.W.M. Arrigan, Ion-transfer voltammetry behavior of protein digests at liquid |liquid interfaces. *Analytical Chemistry*, **2010**, *82*, 258-264.
31. G.D. Sisk, G. Herzog, D.W.M. Arrigan, Assessment of ion transfer amperometry at liquid-liquid interfaces for detection in CE. *Electrophoresis*, **2009**, *30*, 3366-3371.
32. G. Herzog, J. Raj, D.W.M. Arrigan. Immobilisation of antibody on microporous silicon membranes. *Microchimica Acta*, **2009**, *166*, 349-353.
33. G. Herzog, W. Moujahid, J. Strutwolf, D.W.M. Arrigan. Interactions of proteins with small ionised molecules: electrochemical adsorption and facilitated ion transfer voltammetry of haemoglobin at the liquid | liquid interface. *Analyst*, **2009**, *134*, 1608-1613.
34. J. Raj, G. Herzog, M. Manning, B.D. MacCraith, S. Ballantyne, M. Thompson, D.W.M. Arrigan, Surface immobilization of antibody on cyclic olefin copolymer for sandwich immunoassay, *Biosensors & Bioelectronics* **2009**, *24*, 2654-2658.
35. J. Strutwolf, G. Herzog, A. Homsy, A. Berduque, C.J. Collins, D.W.M. Arrigan. Potentiometric characterisation of a dual-stream electrochemical microfluidic device, *Microfluidics & Nanofluidics*, **2009**, *6*, 231-240.
36. G. Herzog, B. McMahon, M. Lefoix, N.D. Mullins, C.J. Collins, H.A. Moynihan, D.W.M. Arrigan, Electrochemistry of dopamine at the polarised liquid|liquid interface facilitated by an homo-oxo-calix[3]arene ionophore, *Journal of Electroanalytical Chemistry*. **2008**, *622*, 109-114.
37. G. Herzog, V. Kam, D.W.M. Arrigan, Electrochemical behaviour of haemoglobin at the liquid/liquid interface, *Electrochimica Acta*, **2008**, *53*, 7204-7209.
38. M.D. Scanlon, G. Herzog, D.W.M. Arrigan. Electrochemical detection of oligopeptides at the silicon-fabricated micro-liquid|liquid interfaces, *Analytical Chemistry*, **2008**, *80*, 5743-5749.
39. G. Herzog, V. Kam, A. Berduque, D.W.M. Arrigan, Detection of food additives by voltammetry at the liquid-liquid interface, *Journal of Agricultural and Food Chemistry*, **2008**, *56*, 4304-4310.
40. G. Herzog, D.W.M. Arrigan, Electrochemical strategies for the label-free detection of amino acids, peptides and proteins, *Analyst*, **2007**, *132*, 615-632.
41. A. Berduque, Y.H. Lanyon, V. Beni, G. Herzog, Y.E. Watson, K. Rodgers, F. Stam, J. Alderman, D.W.M. Arrigan, Voltammetric characterisation of silicon-based microelectrode arrays and their application to mercury-free stripping voltammetry of copper ions, *Talanta*, **2007**, *71*, 1022-1030.
42. R.E. Ionescu, S. Cosnier, G. Herzog, K. Gorgy, B. Leshem, S. Herrmann, R.S. Marks, Amperometric immunosensor for the detection of anti-West Nile virus IgG using a photoactive copolymer, *Enzyme and Microbial Technology*, **2007**, *40*, 403-408.
43. G. Herzog, D.W.M. Arrigan, Underpotential deposition and stripping of lead at disorganised monolayer-modified gold electrodes, *Electroanalysis*, **2005**, *17*, 1816-1821.

44. G. Herzog, K. Gorgy, T. Gulon, S. Cosnier, Electrogeneration and characterization of photoactivable films and their applications for enzyme grafting, *Electrochemistry Communications*, **2005**, 7, 808-814.
45. A. Berduque, G. Herzog, Y.E. Watson, D.W.M. Arrigan, J.C. Moutet, O. Reynes, G. Royal, E. Saint-Aman, Development of surface-modified microelectrode arrays for the electrochemical detection of dihydrogen phosphate, *Electroanalysis*, **2005**, 17, 392-399.
46. G. Herzog, D.W.M. Arrigan, Determination of trace metals by underpotential deposition-stripping voltammetry at solid electrodes, *Trends in Analytical Chemistry*, **2005**, 24, 208-217.
47. G. Herzog, V. Beni, P.H. Dillon, T. Barry, D.W.M. Arrigan, Effect of humic acid on the underpotential deposition-stripping voltammetry of copper in acetic acid soil extract solutions at mercaptoacetic acid-modified gold electrodes, *Analytica Chimica Acta*, **2004**, 511, 137-143.
48. G. Herzog, D.W.M. Arrigan, Application of the disorganized monolayer gold electrode to copper determination in white wine, *Analytical Letters*, **2004**, 37, 597-602.
49. G. Herzog, D.W.M. Arrigan, Comparison of 2-mercaptoethane sulfonate and mercaptoacetic acid disorganized monolayer-coated electrodes for the detection of copper via underpotential deposition-stripping voltammetry, *Electroanalysis*, **2003**, 15, 1302-1306.
50. A. Pailleret, G. Herzog, D.W.M. Arrigan, Electrochemical activity of phenolic calixarenes, *Electrochemistry Communications*, **2003**, 5, 68-72.
51. G. Herzog, D.W.M. Arrigan, Application of disorganized monolayer films on gold electrodes to the prevention of surfactant inhibition of the voltammetric detection of trace metals via anodic stripping of underpotential deposits: detection of copper, *Analytical Chemistry*, **2003**, 75, 319-323.

Actes de congrès à comité de lecture :

1. P. Vazquez, C. O'Mahony, J. O'Brien, J. Scully, A. Blake, C. O'Mathuna, P. Galvin, G. Herzog, Microneedle sensor for voltammetric drug detection in physiological fluids, *IEEE Sensors*, **2014**, DOI: 10.1109/ICSENS.2014.6985367
2. M. Schmidt, F. Nazneen, Y. Georgiev, G. Herzog, P. Galvin, N. Petkov, Patterning of stainless steel for the development of nanostructured stent surfaces for cardiovascular applications, *Journal of Physics Conference Series*, **2012**, 371, 012065.
3. M. Schmidt, F. Nazneen, G. Herzog, D.W.M. Arrigan, P. Galvin, C. Dickinson, J.P. de Silva, D. Scanlan, N.C. O'Hara, L.W. Graham, N. Petkov, J.D. Holmes, Correlative microscopy study of FIB patterned stainless steel surfaces as novel nano-structured stents for cardiovascular applications, *MRS Proceedings*, **2012**, 1466.
4. K. Twomey, W. Moujahid, V.I. Ogurtsov, G. Herzog, Multi-parameter system for marine environmental applications, *Journal of Physics Conference Series*, **2011**, 307, 012026.
5. N.A. Mohd Said, K. Twomey, V.I. Ogurtsov, D.W.M. Arrigan, G. Herzog, Fabrication and electrochemical characterization of micro- and nanoelectrode arrays for sensor applications, *Journal of Physics Conference Series*, **2011**, 307, 012052.
6. G. Herzog, S. Flynn, D.W.M. Arrigan, Macromolecular sensing at the liquid – liquid interface, *Journal of Physics Conference Series*, **2011**, 307, 012055.
7. J.S. Ellis, G. Herzog, B. Glynn, D.W.M. Arrigan, Electrochemical characterization of regularly-aligned nanopore array filled with electrolyte solutions and their use for detection of nucleic acid hybridization, *ECS Transactions*, **2011**, 35, 29-44
8. K. Dawson, J. Strutwolf, G. Herzog, K. Rodgers, D.W.M. Arrigan, A.J. Quinn, A. O'Riordan, Nanofabrication of robust nanoelectrodes for electrochemical applications, *ECS Transactions*, **2010**, 28, 29-37.

Chapitres de livre

1. A. Walcarius, M. Etienne, G. Herzog, V. Urbanova, N. Vila, Electrode materials (Bulk Materials and Modification) in Environmental Sensors, Eds, L.M. Moretto & K. Kacher, Springer, **2014**, pp 403-496.
2. V.I. Ogurtsov, K. Twomey, G. Herzog, Development of an electrochemical sensing system for environmental monitoring of port waters quality to integrate on-board an autonomous robotic fish. In Comprehensive Materials Processing Technology, vol. 13 Sensor Materials and Technologies, Ed. S. Hashmi Elsevier, **2014**, pp 317-351.
3. D.W.M. Arrigan, G. Herzog, M.D. Scanlon, J. Strutwolf, Bioanalytical applications of electrochemistry at liquid – liquid microinterfaces, in *Electroanalytical Chemistry ; A Series of Advances*, edité par A.J. Bard, C.G. Zoski, CRC Press, **2013**, 25, 105-178.

Critiques invitées d'ouvrages scientifiques

1. Critique d'*Electrochemistry Volume 12: Nanoelectrochemistry*. Jay D Wadhawan & Richard G Compton, Royal Society of Chemistry, Cambridge, UK, 2014, pp 378 pour la revue *Chromatographia*, **2014**, 77, 1569-1570.
2. Critique d'*Electrochemical Science and Technology. Fundamentals and Applications*. Keith B. Oldham, Jan C. Myland, Alan M. Bond, John Wiley & Sons, Chichester, UK, 2012, pp 424 pour la revue *Chromatographia*, **2014**, 77, 199-200.
3. Critique de *Bioelectrochemistry. Fundamentals, Applications and Recent Developments*. Richard C. Alkire, Dieter M. Kolb and Jacek Lipkowski (Eds), Wiley-VCH, Weinheim, Germany, 2011, pp 397 pour la revue *Chromatographia*, **2014**, 77, 201.
4. Critique d'*Inorganic Electrochemistry, Theory, Practice and Application*. 2nd ed. Piero Zanello, Fabrizia Fabrizi de Biani and Carlo Nervi RSC Publishing, Cambridge, UK, 2012, pp 700 pour la revue *Chromatographia*, **2012**, 75, 1087-1088.
5. Critique d'*Electroanalytical Chemistry, A Series of Advances*, Volume 23, Allen J. Bard and Cynthia G. Zoski (Eds) CRC Press, Boca Raton, FL, USA, 2010, pp 328 pour la revue *Chromatographia*, **2011**, 74, 361-362.

Communications invitées

1. SKAM 2016
2. *Functionalized mesoporous silica electrogenerated at the liquid-liquid interface. G. Herzog, L. Poltorak, A. Gamero-Quijano, N. Vilá, A. Walcarius, 48th Heyrovsky Discussions: Progress in electrochemistry at liquid-liquid interfaces and liquid membranes. Chateau Trest, République Tchèque, 14-19 Juin 2015.
3. *Electrochemically assisted assembly of mesoporous silica at the liquid-liquid interface. G. Herzog, L. Poltorak, A. Walcarius, 65th Annual meeting of the International Society of Electrochemistry, Lausanne, Suisse, 31 Août – 5 Septembre 2014.
4. *Modification of the interface between two immiscible electrolyte solutions with silica films. G. Herzog, V. Jacque, Y. Aubril, M. Etienne, A. Walcarius, Electrochem 2012, Dublin Irlande, 2-4 Septembre 2012.
5. *Energy harvesting from glucose and oxygen. Can enzymatic biofuel cells power up smart autonomous systems? M. Żygowska, K. Dawson, A. Wahl, A. O'Riordan, G. Herzog. Guardian Angel Workshop, Helsinki, Finlande, 15-16 Septembre 2011.
6. *Disorganised molecular monolayers for sensor surface protection. G Herzog, Ronald Belcher Memorial Lecture, Analytical Research Forum, Preston, Royaume-Uni, 19-21 Juillet 2004.

Communications orales

- 1.
2. Decorating the liquid-liquid interface with mesoporous silica electrochemically generated. Grégoire Herzog, Lukasz Poltorak, Alonso Gamero-Quijano, Martha Collins, Neus Vilá, Alain Walcarius. Current Frontiers in Liquid-Liquid Interfaces, Institut Laue-Langevin, Grenoble, 21-23 Octobre 2015.
3. Local pH changes triggered by photoelectrochemistry for silica condensation at the liquid-liquid interface. G. Herzog, L. Poltorak, M. Hébrant, M. Afsharian, M. Etienne, A. Walcarius. Electrochem 2015, Durham University, Royaume-Uni, 13-15 Septembre 2015.

4. Local characterization by confocal Raman spectroscopy and scanning electrochemical microscopy of liquid/liquid micro-interfaces modified with mesoporous silica. L. Poltorak, M. Dossot, M. Etienne, G. Herzog, A. Walcarius, 17th Topical meeting of the International Society of Electrochemistry, St Malo, France, 31 Mai – 3 Juin 2015.
5. *Electrogénération de films de silice par transfert d'ions à l'interface liquide – liquide. G. Herzog, Ł. Pótorak, A. Walcarius, Journées d'Electrochimie, Paris, France, 8-11 Juillet 2013.
6. Electrochemically assisted self-assembly of ordered and functionalized mesoporous silica films: impact of the electrode geometry and size on film formation and properties. G. Herzog, E. Sibottier, M. Etienne, A. Walcarius, Faraday Discussions 164 : Electroanalysis at the Nanoscale, Durham, Royaume-Uni, 1-3 Juillet 2013.
7. Electrochemically-assisted deposition of chitosan and sol-gel enzyme bio-composites for microfluidic biofuel cell applications. M. Żygowska, V. Urbanova, M. Etienne, V.I. Ogurtsov, G. Herzog, 12th Topical Meeting of the International Society of Electrochemistry, Bochum, Allemagne, 17-21 Mars 2013.
8. Correlative microscopy study of FIB patterned stainless steel surfaces as novel nanostructured stents for cardiovascular applications. M. Schmidt, F. Nazneen, G. Herzog, P. Galvin, J.D. Holmes, N. Petkov, Materials Research Society Spring Meeting, San Francisco, Etats Unis, 9-13 Avril 2012.
9. Multi-parameter system for marine environmental applications. K. Twomey, W. Moujahid, V.I. Ogurtsov, G. Herzog, Sensors and their applications XVI, Cork, Irlande, 12-14 Septembre 2011.
10. FIB patterning of stainless steel for the development of nano-structured stent surfaces for cardiovascular applications. M. Schmidt, F. Nazneen, G. Herzog, P. Galvin, N. Petkov, Institute of Physics Electron Microscopy and Analysis Group Conference, Birmingham, Royaume-Uni, 6-9 Septembre 2011.
11. *Microfabricated electrochemical devices for sensing and energy applications, G. Herzog, M. Żygowska, W. Moujahid, K. Twomey, V.I. Ogurtsov, Eirelec, Adare, Irlande, 16-18 Mai 2011.
12. Electrochemical characterization of regularly-aligned nanopore array membranes filled with electrolyte solutions and their use for detection of nucleic acid hybridization, J. S. Ellis, G. Herzog, B. Glynn, D.W.M. Arrigan, ECS meeting, Montreal, Canada, 1-6 Mai 2011.
13. *Development of microelectrochemical sensors and portable instrumentation for the remote sensing of pollutants in port waters, G. Herzog, W. Moujahid, K. Twomey, V.I. Ogurtsov, Environ 2011, Cork, Irlande, 6-8 Avril 2011.
14. *The sensitivity of electrochemistry at the ITIES to protein tertiary structure, G. Herzog, P. Eichelmann-Daly, M.T. Nolan, D.W.M. Arrigan, Annual Meeting of the International Society of Electrochemistry, Nice, France, 26 Septembre – 1^{er} Octobre 2010.
15. Electrochemical characterisation of regularly-aligned nanopore array membranes filled with electrolyte solutions and their use for detection of nucleic acid hybridisation, J.S. Ellis, G. Herzog, B. Glynn, D.W.M. Arrigan, Annual Meeting of the International Society of Electrochemistry, Nice, France, 26 Septembre – 1^{er} Octobre 2010.
16. *Microelectrochemical systems on silicon chips for the remote detection of pollutants in seawater, G. Herzog, W. Moujahid, P. Eichelmann-Daly, K. Twomey, V.I. Ogurtsov, D.W.M. Arrigan, ESEAC, Gijón, Espagne, 20-24 Juin 2010.
17. *Etude électrochimique et acoustique des interactions entre hémoglobine et anions organiques, G. Herzog, W. Moujahid, J. Strutwolf, J.S. Ellis, S.Q. Xu, X. Wang, M. Thompson, D.W.M. Arrigan, Journées d'Electrochimie, Sinaia, Roumanie, 6-10 Juillet 2009.

18. *Detection of oligopeptides at the liquid | liquid interface, G. Herzog, M.D. Scanlon, B. McMahon, S. O'Driscoll, M. Lefoix, H. Moynihan, D.W.M. Arrigan, Annual Meeting of the International Society of Electrochemistry, Banff, Canada, 9-14 September 2007.
19. *Electrochemical behaviour of haemoglobin at the liquid | liquid interface, G. Herzog, V. Kam, D.W.M. Arrigan, Electrochem'07, Londres, Royaume-Uni, 3-4 Septembre 2007.
20. *Electropolymérisation de films photolians pour l'élaboration d'immunocapteurs et de biopuces, G. Herzog, K. Gorgy, S. Cosnier, T. Konry, R.S. Marks, Journées d'Electrochimie, St Malo, 5-8 Juillet 2005.
21. *Detection of copper in passivating media using disorganised monolayer modified gold surfaces, G. Herzog, D.W.M. Arrigan Electrochem 2003, Southampton, Royaume-Uni, 14-17 Septembre 2003.
22. *Disorganised monolayer film electrodes for prevention of surfactant inhibition of voltammetric detection of metal ions, G. Herzog, D.W.M. Arrigan, International Conference on Electrochemical Sensors, Mátrafüred, Hongrie, 13-18 Octobre 2002.

Communications par affiche

1. Modifying the liquid-liquid interface with mesoporous silica electrochemically generated. A. Gamero-Quijano, L. Poltorak, N. Vilà, G. Herzog, A. Walcarius, 7th Surface Modification for Chemical and Biochemical Sensing, Pultusk Catle, Pologne, 6-10 Novembre 2015.
2. Developing a new analysis method of an antidiabetic drugs: Electrochemical enhanced liquid-liquid microextraction. M.N. Binti Jajuli, M. Hébrant, B. Saad, A.M.A.H. Makahleh, G. Herzog, DocSciLor 2015, Nancy, France, 4 Juin 2015.
3. Modified carbon electrodes for electrochemical detection of pollutants in aquatic systems. T. Nasir, G. Herzog, A. Walcarius, DocSciLor 2015, Nancy, France, 4 Juin 2015.
4. Electrochemical sensor development for the detection of emerging pollutants. M. Collins, G. Herzog, DocSciLor 2015, Nancy, France, 4 Juin 2015.
5. Ordered and oriented mesoporous silica thin film as a protective layer for electrochemical sensor surfaces. M. Bueno Serrano, C. Despas, G. Herzog, A. Walcarius, International Symposium on Molecular Sciences: Facing Up to Major Societal Challenges, Nancy, France, 2-3 Octobre 2014.
6. Microscopic Liquid/liquid interfaces for chemical analysis. M. Afsharian, G. Herzog, J-B. Regnouf de Vains, M. Etienne, International Symposium on Molecular Sciences: Facing Up to Major Societal Challenges, Nancy, France, 2-3 Octobre 2014.
7. Ion sensing at the liquid/liquid interface modified with silica material. L. Poltorak, G. Herzog, A. Walcarius, International Symposium on Molecular Sciences: Facing Up to Major Societal Challenges, Nancy, France, 2-3 Octobre 2014.
8. Electrochemical characterization of micro-interfaces modified with mesoporous silica. L. Poltorak, K. Morakchi, G. Herzog, A. Walcarius. 65th Annual meeting of the International Society of Electrochemistry, Lausanne, Suisse, 31 Août – 5 Septembre 2014.
9. Development and investigation of miniature enzyme driven biofuel cells. M. Żygowska, V. Urbanova, M. Etienne, V.I. Ogurtsov, G. Herzog, Conference on Analytical Science in Ireland, Cork, Irlande, 1 Juillet 2013.
10. Electrochemistry at the liquid/liquid interface: a tool to prepare surfactant-templated silica membranes. L. Poltorak, A. Pasc, M.J. Stébé, C. Carteret, A. Walcarius, G. Herzog, DocSciLor 2013, Pont-à-Mousson, France, 6 Juin 2013.
11. Electrochemical and Atomic Force Microscopy Studies of Immobilization of PduA Shell Protein on Gold Electrode Surface. N.A. Mohd Said, M. Liang, M.B. Prentice, G. Herzog, V.I. Ogourtsov, 12th

Topical Meeting of the International Society of Electrochemistry, Bochum, Allemagne, 17-21 Mars 2013.

12. Electrochemical impedance spectroscopy at recessed microelectrode arrays. N.A. Mohd Said, K. Twomey, G. Herzog, V.I. Ogourtsov, Electrochem 2012, Dublin Irlande, 2-4 Septembre 2012.
13. Electrochemical Impedance Spectroscopy and Cyclic Voltammetry Studies at Micro- and Nano-electrode Arrays for Sensor Applications. N.A. Mohd Said, K. Twomey, G. Herzog, V.I. Ogourtsov. Analytical Research Forum, Durham, Royaume-Uni, 2-4 Juillet 2012.
14. Enzymatic Biofuel Cells on chip: Fabrication, characterisation and modelling studies. M. Żygowska, V.I. Ogurtsov, G. Herzog, Lab-On-A-Chip conference, Edimbourg, Royaume-Uni, 28-29 Mars 2012.
15. Microfluidic devices for Enzymatic Biofuel Cell applications. Fabrication, characterisation and modelling studies. M. Żygowska, E. Moore, V.I. Ogurtsov, G. Herzog, ENVIRON 2012 conference, Dublin, Irlande, 7-9 Mars 2012.
16. Evaluation of the temperature and pH effects on performance of an electrochemical sensor for detection and quantification of copper in sea water. C. Lyons, K. Twomey, G. Herzog, V.I. Ogurtsov. ENVIRON 2012 conference, Dublin, Irlande, 7-9 Mars 2012.
17. Fabrication, characterisation and modelling of microfluidic devices for efficient energy bioconversion. M. Żygowska, V.I. Ogurtsov, G. Herzog, EPA Postgraduate Conference, Dublin, Irlande, 17 Novembre 2011.
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