

Articles dans des revues à comité de lecture

Hauquier F., Alamarguy D., Viel P., Noël S., Filoramo A., Huc V., Houzé F., Palacin S., Conductive-probe AFM characterization of graphene sheets bonded to gold surface, *Applied Surface Science* (**2012**), (258), 2920-2926

Lattach Y., Fourati N., Zerrouki C., Fournion J.M., Garnier F., C. Pernelle, Rémita S., Molecularly imprinted surface acoustic wave sensors: The synergy of electrochemical and gravimetric transductions in chemical recognition processes, *Electrochim. Acta* (**2011**), doi:10.1016/j.electacta.2011.11.119

Bergaoui, Y., **Fourati, N., Zerrouki, C., Fournion, J.M.**, Abdelghani, A., Conception et réalisation d'un capteur gravimétrique à ondes acoustiques de surface à base de LiTaO₃, pour une reconnaissance sélective antigènes-anticorps, Du capteur au diagnostic, *I2M*, Vol. **11**, n°3 – 4, 45-65, *Edition Hermes-Lavoisier Paris*(**2011**).

Bergaoui Y., Chermiti J., Ktari T., **Fourati N., Zerrouki C.**, Ben Ali M., Jaffrezic-Renault N., and Abdelghani A., Immobilization of Phosphane Sulfide Derivative Molecule on Si/SiO₂/Si₃N₄ Electrode for Ion Detection, *Sensor Letters*, Vol. 9, n° 6, (**2011**) pp. 2215-2218.

Lattach Y., Fourati N., Zerrouki C., Fournion J.M., Garnier F., Rémita S., Surface acoustic wave sensor as a combined gravimetric and electrochemical transductions platform for the detection of atrazine, *Sensor Letters*, Vol. 9, n° 6, (**2011**) pp. 2249-2252.

Bergaoui, Y., **Zerrouki, C., Fourati, N., Fournion, J.M.**, Abdelghani, A., Antigen-antibody selective recognition using LiTaO₃ SH-SAW sensors: investigations on macromolecules effects on binding kinetic constants, *Eur. Phys. J. Appl. Phys*(**2011**), doi: 10.1051/epjap/2011100225.

Zerrouki, C., Fourati, N., Lucas, R., Vergnaud, J., **Fournion, J.M.**, Zerrouki, R., **Pernelle, C.**, Biological investigation using shear horizontal surface acoustic wave sensor: small "Click generated" DNA hybridization detection, *Biosens. Bioelectron*, Vol. **26**, n° 4, (**2010**), pp. 1759-1762.

Zerrouki, C., Fourati, N., Lazerges, M., Fournion, J.M., Vedrine, C., Pernelle, C., Shear horizontal surface acoustic waves sensor for label-free DNA detection, *Sensor Letters*, Vol. **8**, n° 6 (**2010**), pp. 813-817.

Matrab T., **Hauquier F.**, Combellas C., Kanoufi F., [Scanning Electron Microscopy Investigation of Molecular Transport and Reactivity within Polymer Brushes](#), *ChemPhysChem*, **2010**, 11 (3), 670-682

Pardieu E., Cheap H., Vedrine C., Lazerges M., Lattach Y., Garnier F., Remita S., Pernelle C., [Molecularly Imprinted Conducting Polymer Based Electrochemical Sensor for Detection of Atrazine](#), *Analytica Chimica Acta*, **2009**, 649, 236-245.

Védrine C., Lazerges M., Perrot H., Compère C., Dreanno C., **Pernelle C.**, [How to Control Accessibility to Biosensor Probes?](#) *Sensor Letters*, **2009**, Vol.7, 1-5.

Hauquier F., Matrab T., Kanoufi F., Combellas C., [Local direct and indirect reduction of electrografted aryl diazonium/gold surfaces of polymer brushes patterning](#), *Electrochimica Acta*, **2009**, 54, (22), 5127-5136.

Fabre B., **Hauquier F.**, Allongue P., [Electrochemical Transfer at p-Type Silicon \(111\) - Alkyl Monolayer Hybrid Electrodes in Acetonitrile Medium](#), *J. Electroanal. Chem.*, **2009**, 629,(1-2), 63-68.

Abel S., Attia J., **Rémita S.**, Marchi M., Urbach W., Goldmann M., [Atomistic simulations of spontaneous formation and structural properties of linoleic acid micelles in water](#), *Chem. Phys. Letters*, **2009**, 481, 124-129.

Namouchi F., Smaoui H., Guerhazi H., **Fourati N.**, **Zerrouki C.**, Agnel S., Toureille A., **Bonnet J.J.**, [Study of charge relaxations after thermal aging in poly\(methyl methacrylate\)](#), *Physics Procedia*, **2009**, 2, 961-970.

Fourati N., **Lazerges M.**, **Vedrine C.**, **Fougnion J.M.**, **Zerrouki C.**, Rousseau L., **Lepeut P.**, **Bonnet J.J.**, **Pernelle C.**, [Surface acoustic waves sensor for DNA-biosensor development](#), *Sensor letters*, **2009**, 7, 1-4.

Bergaoui Y., **Zerrouki C.**, **Fougnion J.M.**, **Fourati N.**, Abdelghani A., [Sensitivity estimation and biosensing potential of lithium tantalate shear horizontal surface acoustic wave sensor](#), *Sensor Letters*, **2009**, 7, 1-5

Namouchi F., Smaoui H., **Fourati N.**, **Zerrouki C.**, Guerhazi H., **Bonnet J.J.**, [Investigation on electrical properties of thermally aged PMMA by combined use of FTIR and impedance spectroscopies](#), *J. Alloys Compd*, **2009**, 469, (1-2), 197-202.

Fontaine P., Faure M.C., **Rémita S.**, Muller F., Goldmann M., [X-ray surface radiolysis: kinetics of the metal-organic interface formation](#), *Eur. Phys. J.*, **2009**, 167, 157-162.

Jouini M., **Lazerges M.**, Chelly S., Billon M., Lombard C., Pepin-Donat B., **Pernelle C.**, [Tuning of the magnetism in a polyaromatic molecular semi-conductor](#), *Synthetic Metals*, **2008**, 158, (17-18), 681-683.

Medhioub H., Smaoui H., **Fourati N.**, **Zerrouki C.**, Guerhazi H., **Bonnet J.J.**, [Heat treatment effects on dielectric and physico-chemical properties of an epoxy polymer](#), *J. Phys. Chem. Solids*, **2008**, 69, (10), 2476-2480.

Fabre B., **Hauquier F.**, Herrier C., Pastorin G., Wu W., Bianco A., Prato M., Hapiot P., Zigah D., Praciolu M., Vaccari L., [Covalent assembly and micropatterning of functionalized multiwalled carbon nanotubes to monolayer-modified Si\(111\) surfaces](#), *Langmuir*, **2008**, 24(13), 6595-6602.

Bellec N., Faucheux A., **Hauquier F.**, Lorcy D., Fabre B., [Redox-active organic monolayers deposited on silicon surfaces for the fabrication of molecular scale devices](#), *Int. J. Nanotechnol.*, **2008**, 5, (6/7/8), 741-756.

Hauquier F., Ghilane J., Fabre B., Hapiot P., [Conducting Ferrocene Monolayers on Non-Conducting Surfaces](#), *J. Am. Chem. Soc.*, **2008**, 130, 2748-2749

Medhioub H., **Zerrouki C.**, **Fourati N.**, Smaoui H., Guerhazi H., **Bonnet J.J.**, [Towards a structural characterization of an epoxy based polymer using small-angle x-ray scattering](#), *J. Appl. Phys*, **2007**, 101, 043509 6p.

Namouchi F., Smaoui H., Guerhazi H., **Zerrouki C.**, **Fourati N.**, Agnel S., Toureille A., **Bonnet J.J.**, [Study of thermal aging effect on space charge in poly\(methyl methacrylate\)](#), *European Polymer Journal*, **2007**, 43, 4821-4829.

Hubert C., Tran K., **Hauquier F.**, Cougnon C., Pilard J.F., Gosselin P., Rault-Berthelot J., Raoult E., [Anodic behaviour of methylenedicyclopentadienyl derivatives : Cyclic voltammetry and theoretical study](#), *N. J. Chem.*, **2007**, 10, 1730-1737.

Attia J., **Rémita S.**, Jonic S., Lacaze E., Fauré M.C., Larquet E., Goldmann M., [Radiation-induced synthesis and cryo-TEM characterization of silver nanoshells on linoleate spherical micelles](#), *Langmuir*, **2007**, 23, 9523-9526.

Houmadi S., Coquière D., Legrand L., Fauré M.C., Goldmann M., Reinaud O., **Rémita S.**, [Architecture-controlled smart calix\[6\]arenes self-assemblies in aqueous solution](#), *Langmuir*, **2007**, 23, 4849-4855.

Rémita S., Fontaine P., Lacaze E., Borensztein Y., Sellame H., Farha R., Lacaze E., Goldmann M., [X-ray radiolysis induced formation of silver nanoparticles: a SAXS and UV-visible absorption spectroscopy study](#), *Nucl. Instr. and Meth. in Phys. Res. B*, **2007**, 263, 436-440.

Gamby J., **Lazerges M.**, **Pernelle C.**, Perrot H.; Girault H.H.; Tribollet B., [Electroacoustic miniaturized DNA-biosensor](#), *Lab Chip*, **2007**, 11, 1607-1609.

Hennebert O., Le Mée S., **Pernelle C.**, Morfin R., [5-Androstane-3,7,17-triol and 5-androstane-3,7,17-triol as substrates for the human 11-hydroxysteroid dehydrogenase type 1](#), *Steroids*, **2007**, 72, (13), 855-864.

Hennebert O., **Pernelle C.**, Ferroud C., Morfin R., [7- and 7- hydroxy-epiandrosterone as substrates and inhibitors for the human 11-hydroxysteroid dehydrogenase type 1](#), *The Journal of Steroid Biochemistry and Molecular Biology*, **2007**, 105, (1-5), 159-165.

Garnier F., Bouabdallaoui B., Srivastava P., Mandrand B., Chaix C., [Conjugated polymer-based DNA chip with real time access and femtomol detection threshold](#), *Sensors and Actuators B*, **2007**, 123, 13-20.

Fabre B., **Hauquier F.**, [Single-Component and Mixed Ferrocene-Terminated Alkyl Monolayers Covalently Bound to Si\(111\) Surfaces](#), *J. Phys. Chem. B.*, **2006**, 110, (13), 6848-6855.

Ghilane J., **Hauquier F.**, Fabre B., Hapiot P., [SECM investigations of Monolayers Bound to p-type Silicon Substrates](#), *Anal. Chem.*, **2006**, 78, (17), 6019-6025.

Hauquier F., Pastorin G., Hapiot P., Prato M., Bianco A., Fabre B., [Carbon nanotube-functionalized silicon surfaces with efficient redox communication](#), *Chem. Commun.*, **2006**, 43, 4536-4538.

Haidar Y., Tollens E., Silvestri Z., De Fornel F., **Zerrouki C.**, Picard A., Pinot P., [Study and comparison of two polishing methods for platinum-iridium surfaces, by means of three characterization techniques](#), *Metrologia*, **2005**, 42, 115-128.

Vitrac H., Hauville C., Collin F., Couturier M., Théron P., Delaforge M., **Rémita S.**, Gardès-Albert M., [Hydroperoxide characterisation as a signature of the micelle/monomer balance in radiation-induced peroxidation of arachidonate](#), *Free Rad. Res.*, **2005**, 39, 519-528.

Rémita S., Fontaine P., Lacaze E., Muller F., Goldmann M., [Radiation induced synthesis of silver nanoshells formed onto organic micelles](#), *Eur. Phys. J. D.*, **2005**, 34, 231-233

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