

## **Prof. Luigia Sabbatini: elenco delle pubblicazioni (solo articoli su riviste)**

**E.Desimoni, L.Sabbatini, P.G.Zambonin**

Oxygen Electrodes in Fused Salts. Potentiometric Behaviour of the System  $\text{CO}_2$ ,  $\text{O}_2/\text{CO}_3^{2-}$  in Molten Alkali Nitrates.

**J.Electroanal.Chem. 71 (1976) 73**

**E.Desimoni, F.Paniccia, L.Sabbatini, P.G.Zambonin**

Hydrogen Half-cells in Molten Salts. A Potentiometric Investigation of the System (Pt or Au) $\text{H}_2\text{O}/\text{H}_2, \text{OH}^-$  in Fused Alkali Nitrates.

**J.Appl.Electrochem. 6 (1976) 445**

**E.Desimoni, F.Paniccia, L.Sabbatini, P.G.Zambonin**

Hydrogen Behaviour in Molten Alkali Nitrates. Proceedings of the International Symposium on Molten Salts.

**J.P.Pemslers Editor. The Electrochemical Society (1976)**

**L.Sabbatini, P.G.Zambonin, E.Desimoni, B.DeAngelis**

A X-ray Photoelectron Spectroscopic Study on Platinum-Oxygen Surfaces Obtained by Molten Nitrates Treatment.

**La chim. e l'industria 59 (1977) 493**

**L.Sabbatini, F.Palmisano, P.G.Zambonin, B.DeAngelis**

A Combined Potentiometric-ESCA Investigation on the Electrode System (Pt) $\text{CO}_2, \text{O}_2, \text{CO}_3^{2-}$  in Molten Salts.

**Annali di Chimica 67 (1977) 525**

**L.Sabbatini, E.Desimoni, F.Palmisano, P.G.Zambonin**

Physico-Chemical Behaviour of the Chloroferriprotophyrin IX in DMF/Water Mixtures.

**Bioelectrochem. Bioenergetics 5 (1978) 25**

**F.Palmisano, E.Desimoni, L.Sabbatini, P.G.Zambonin**

Catalytic Currents in Fused Salts: Discharge Mechanism of Nitrite in Molten Alkali Nitrates (II).

**J.Electroanal.Chem. 89 (1978) 311**

**B.Morelli, E.Desimoni, L.Sabbatini, P.G.Zambonin**

Oxygen Electrodes in Fused Salts. Investigation and Mechanistic Remarks on the System (Ni) $\text{CO}_2, \text{O}_2/\text{CO}_3^{2-}$  in Molten (Na,K) $\text{NO}_3$ .

**J.Electroanal.Chem. 94 (1978) 5**

**E.Desimoni, F.Palmisano, L.Sabbatini, P.G.Zambonin**

Voltammetric Behavior of the  $(\text{Pt})\text{H}_2\text{O}, \text{CO}_2/\text{H}_2, \text{CO}_3^{2-}$  System in Molten Alkali Nitrates.

**Anal.Chem. 50 (1978) 1895**

**B.Morelli, L.Sabbatini, P.G.Zambonin**

Oxygen Electrodes in Fused Salts. Investigation and Mechanistic Remarks on the System  $(\text{Ni})\text{O}_2, \text{H}_2\text{O}/\text{OH}^-$  in the  $(\text{Na}, \text{K})\text{NO}_3$  Eutectic Melt.

**J.Electroanal.Chem. 96 (1979) 7**

**E.Desimoni, F.Palmisano, L.Sabbatini, P.G.Zambonin**

Voltammetric Behaviour of the Chlorine/Chloride System and Detection of Chloride Ions in Molten Nitrates.

**Anal.Chem. 51 (1979) 822**

**E.Desimoni, F.Palmisano, L.Sabbatini, G.Torsi**

Determination of Mercury in Sea Water by Combined Electrolysis and Electrothermal Atomic Absorption Spectrometry.

**Annali di Chimica 69 (1979) 381**

**F.Palmisano, E.Desimoni, L.Sabbatini, G.Torsi**

Nucleation Phenomena in the Electrodeposition of Lead onto Glassy Carbon Electrodes.

**J.Appl.Electrochem. 9 (1979) 517**

**L.Sabbatini, B.Morelli, P.G.Zambonin, B.DeAngelis**

Oxygen Electrodes in Fused Salts. Potentiometric and X-Ray Photoelectron Spectroscopic (ESCA) Findings on the System  $(\text{Ni})\text{CO}_2, \text{O}_2/\text{CO}_3^{2-}$  in Molten Alkali Nitrates.

**J. Chem.Soc. Faraday I 75 (1979) 2628**

**L.Sabbatini, T.Dickinson, P.M.A.Sherwood**

Simultaneous Analytical Detection of Tin and Lead at ppb Level in Acid Solutions by Combining Electrodeposition and X-ray Photoelectron Spectroscopy.

**Annali di Chimica 70 (1980) 137**

**F.Palmisano, E.Desimoni, L.Sabbatini, G.Torsi, P.G.Zambonin**

Reply to a Comment by G.Hills, I.Montenegro and B.Scharifker on Our Paper Dealing with the Three-dimensional Nucleation of Lead.

**J.Appl.Electrochem. 10 (1980) 811**

**E.Desimoni, F.Palmisano, L.Sabbatini, G.Torsi**

On the Electrodeposition of Mercury onto Glassy Carbon Electrodes from very Dilute  $\text{Hg}(\text{II})$  Solutions.

**Annali di Chimica 70 (1980) 161**

**F.Palmisano, E.Desimoni, L.Sabbatini**

Simultaneous Determination of Tin and Lead at the Parts-per-billion Level by Coupling Differential Pulse Anodic Stripping Voltammetry with a Matrix Exchange Method.

**Anal.Chem. 52 (1980) 1889**

**G.Torsi, E.Desimoni, F.Palmisano, L.Sabbatini**

Determination of Lead in Air by Electrothermal Atomic Spectrometry with Electrostatic Accumulation Furnace.

**Anal.Chem. 53 (1981) 1035**

**G.Torsi, E.Desimoni, F.Palmisano, L.Sabbatini**

Determination of Lead in Sea Water by Electrothermal Atomic Absorption Spectrometry after Electrolytic Accumulation on a Glassy Carbon Furnace.

**Anal.Chim.Acta 124 (1981) 143**

**P.G.Zambonin, E.Desimoni, F.Palmisano, L.Sabbatini**

Hydrogen in Ionic Liquids: A Review.

**"Ionic Liquids", D.Inman,D.Lovering Eds., Plenum Publishing Corp. (1981) 249**

**P.G.Zambonin, E.Desimoni, F.Palmisano, L.Sabbatini**

Solubility and Electroanalytical behaviour of Ammonia in Ionic Solvents. A brief Review.

**Proceedings of the 3rd International Symposium on Molten Salts., G.Mamantov, M.Blander, G.P.Smith Eds., The Electrochemical Soc. Inc., (1981)270**

**G.Torsi, E.Desimoni, F.Palmisano, L.Sabbatini**

Determination of Mercury Vapour in Air Using Electrothermal Atomic Absorption Spectrometry with an Electrostatic Accumulation Furnace.

**Analyst 107 (1982) 96**

**E.Desimoni, L.Sabbatini, P.G.Zambonin, O.Waernes**

Voltammetric behaviour of Ammonia at Gold and Vitreous Carbon R.D.E. in Molten Alkali Nitrates.

**JCS Faraday I 79 (1983) 711**

**L.Sabbatini, P.G.Zambonin, P.M.A.Sherwood**

Characterization of Films Formed on Tungsten Electrodes in Molten Nitrates Using Electrochemical and X-ray Photoelectron Spectroscopic Studies.

**J.Electrochem.Soc. 130 (1983) 2199**

**P.G.Zambonin, E.Desimoni, F.Palmisano, L.Sabbatini**

Concerning the Electroactivity of Hydrogen in Nitrate Melts: A Critical Discussion in the Light of Recent Hypotheses and Suggestions.

**J.Electroanal.Chem. 161 (1984) 31**

**L.Sabbatini, C.Malitesta, E.Desimoni, P.G.Zambonin**

Determination of the Transmission Efficiency in FAT for a Hemispherical Electron Energy Analyser of the Series LHS10: Implications in Quantitative Analysis of Surface Species.

**Annali di Chimica 74 (1984) 341**

**P.G.Zambonin, A.Cavinato, E.Desimoni, F.Palmisano, L.Sabbatini**

Caratterizzazione superficiale di materiali di impiego in campo energetico.

in 'Applicazioni Industriali della Chimica-fisica delle superfici'- S.Pignataro Ed., C.N.R.;Roma (1984)93

**L.Sabbatini, G.Tessari**

An ESCA Study on the Physico-chemical Transformations at the Atomizer Surface During Electrothermal Atomization Stages. Case of Lead Oxides on Graphite.

**Annali di Chimica 74 (1984) 779**

**F.Palmisano, L.Sabbatini, P.G.Zambonin**

Differential Pulse Voltammetry as 'in situ' Monitoring Technique for Thermal Decomposition Kinetics of Nitrate Melts.

**JCS Faraday I 80 (1984) 1029**

**L.Sabbatini, A.G.Cavinato, E.Desimoni, P.G.Zambonin**

Electrochemical and Surface X-Ray Photoelectron Spectroscopy Study on the Rhodium-Carbonate Electrode in Molten Nitrates.

**JCS Faraday I 81 (1985) 621**

**L.Peraldo Bicelli, G.Razzini, C.Malitesta, L.Sabbatini, P.G.Zambonin**

Surface Characterization of Anodic Titanium Dioxide Films for Photoelectrochemical Solar Cells.

**Solar Energy Mat. 13 (1986) 25**

**R.d'Agostino, F.Cramarossa, F.Fracassi, E.Desimoni, L.Sabbatini, P.G.Zambonin, G.Caporiccio**

Polymer film formation in C<sub>2</sub>F<sub>6</sub>-H<sub>2</sub> Discharges.**Thin Solid Films 143 (1986) 163**

**E.Desimoni, C.Malitesta, L.Sabbatini, P.G.Zambonin**

XPS Investigation on Fluoropolymers Thin Films Deposited in Glow Discharges.

**Surf. Interface Anal. 1 (1986) 414**

**L.Peraldo Bicelli, G.Razzini, C.Malitesta, L.Sabbatini**

Photoelectrochemical Behaviour and XPS Characterization of a (Ti,Al,V)O<sub>2</sub> Film Obtained by non Conventional Anodic Oxidation of a Commercial Ti-Al-V Alloy.

**Int.J.Hydrogen Energy 12 (1987) 219**

**C.Malitesta, G.Morea, L.Sabbatini, P.G.Zambonin**

Surface analytical characterization of anhydrous and hydrated ruthenium dioxide powders by XPS.

**Annali di Chimica 78 (1988) 473**

**C.Malitesta, L.Sabbatini, P.G.Zambonin, L.Peraldo-Bicelli, S.Maffi**

Analytical characterization of electrode surface by XPS: case of b-PbO<sub>2</sub> based cathode in voltage compatible lithium cells.

**J.Chem.Soc. Faraday Trans. I 85 (1989) 1685**

**G.Morea, L.Sabbatini, P.G.Zambonin, N.Tangari, V.Tortorella**

Surface Characterization of the active RuO<sub>2</sub>·xH<sub>2</sub>O catalyst on Teflon.

**J.Chem.Soc. Faraday I 85 (1989) 3861**

**C.Malitesta, G.Morea, L.Sabbatini, N.Tangari, V.Tortorella, P.G.Zambonin**

XPS and SIMS investigation on the catalyst-support chemical interaction RuO<sub>x</sub>-teflon systems" in "Structure and reactivity of Surfaces", **A.Zecchina, G.Costa, C.Morterra (eds.)**, Elsevier Science Publisher (1989), pp.633-641

**G.Vasapollo, C.F.Nobile, A.Sacco, B.G.Gowenlock, L.Sabbatini, C.Malitesta, P.G.Zambonin**

Nitrosoarene complexes of rhodium(III), iridium(III), copper(I) and mercury(II). Use of XPS in determining the mode of bonding to transitions metals.

**J.Organometallic Chemistry, 378 (1989) 239**

**G.Morea, L.Sabbatini, J.C.Vickerman, P.G.Zambonin**

SIMS and XPS characterization of anhydrous and hydrated ruthenium dioxide; in "Spettrometria di Massa di ioni secondari - Aspetti Strumentali ed Applicazioni nei Campi Inorganico, Organico e Biologico"; eds. S.Daolio e C.Pagura, (1990) **p. 87-97**

**C.Malitesta, L.Sabbatini, P.G.Zambonin**

XPS in the investigation of electrode surfaces: Analytical characterization of the CuO cathode in the Li/CuO cell.

**Surf. Interface Anal. 16 (1990) 317 (extended abstract)**

**C.Malitesta, T.Rotunno, L.Sabbatini, P.G.Zambonin**

Insight into the intercalation problem of Li/CuO by Analytical Electron Spectroscopies.

**JCS, Farad.Trans. 86 (1990) 3607**

**G.Morea, C.Malitesta, L.Sabbatini, P.G.Zambonin**

Analytical X-ray photoelectron spectroscopic investigation of the modification of polybithiophene (pbT) under electrochemical cycling.

**JCS, Farad.Trans. 86 (1990) 3769**

**C.Malitesta, G.Morea, L.Sabbatini, P.G.Zambonin**

Analytical characterization of electrode systems by surface spectroscopies: advantages and limits. A brief review.

**J.Egyptian Anal.Chem. 1 (1990) 61**

**A.D'Agnano, M.Gargano, C.Malitesta, N.Ravasio, L.Sabbatini**

X-ray photoelectron spectroscopy insight into the coordination modes of cyanate in copper (II) complexes.

**J.Electron Spectrosc.Relat.Phenom. 53 (1991) 213**

**C.Malitesta, D.Centonze, L.Sabbatini, P.G.Zambonin, L.Peraldo Bicelli, S.Maffi**

Analytical characterization by X-ray photoelectron spectroscopy of quaternary chalcogenides as cathodes for lithium cells.

**J.Materials Chem. 1 (1991) 259**

**L.Sabbatini, C.Malitesta, G.Morea, L.Torsi, P.G.Zambonin**

Surface spectroscopic characterization of advanced polymer materials.

**Microchimica Acta II (1991) 237**

**A.Trovarelli, C.Malitesta, L.Sabbatini, S.Maschio, J.Kaspar**

Surface organometallic chemistry: a multitechnique analytical characterization of the isomerisation catalyst  $\text{Ir}_4(\text{CO})_{12}$  on silica.

**Materials Chemistry and Physics 29 (1991) 405**

**G.Morea, L.Sabbatini, P.G.Zambonin, A.J.Swift, R.H.West, J.C.Vickerman**

Modification of Polybithiophene by electrochemical cycling studied by ToF-SIMS and XPS.

**Macromolecules 24 (1991) 3630**

**L.Torsi, C.Malitesta, F.Palmisano, L.Sabbatini, P.G.Zambonin**

Electrochemical and electrical study of the n-TiO<sub>2</sub>/pbT heterojunction.

**Proceedings of the Conference on Polymer-Solid Interfaces. IOP Publisher, Bristol (1992) 115**

**C.Malitesta, L.Sabbatini, L.Torsi, P.G.Zambonin, D.Ballivet**

**Tkatchenko, J.Galy, J.-L. Parize, J.M.Savariault**

Copper speciation by Analytical Electron Spectroscopies: case of the intercalation phase  $\text{Cu}_{0.5}\text{V}_2\text{O}_5 \cdot 0.5\text{H}_2\text{O}$ .

**Surf. Interface Anal. 19 (1992) 513**

**L.Torsi, C.Malitesta, G.Morea, L.Sabbatini, P.G.Zambonin**

Analytical investigation on electrosynthesized polymer/Si interfaces.

**Annali di Chimica 82 (1992) 259**

**L.Cerulli, A.Pocobelli, F.Ricci, P.G.Zambonin, L.Sabbatini, A.Missiroli**

Two methods of examining protein deposits on hydrophilic contact lenses.

**CLAO J. 18 (1992) 101**

**P.G.Zambonin, L.Sabbatini, M.Pioggia, A.Pocobelli, F.Ricci, L.Cerulli**

Early detection of protein deposits on soft contact lenses.

**Contactologia 14E (1992) 175**

**T.Rotunno, C.Malitesta, L.Sabbatini**

Quantification in Surface Analysis.

**Microchemical J. 46 (1992) 340**

**G.Morea, L.Sabbatini, R.H.West, J.C.Vickerman**

Surface Characterization (XPS and SIMS) of Emersed Polybithiophene Electrodes.

**Surf. Interface Anal. 18 (1992) 421**

**L.Torsi, C.Malitesta, F.Palmisano, L.Sabbatini, P.G.Zambonin, G.Scamacio, M.Lugara'**

Rectifying behaviour of the polymer/semiconductor hetero-junction: pbT(p-type)/TiO<sub>2</sub>(n-type).

**Surf. Sci., 273 (1992) L409-L413**

**L.Sabbatini, P.G.Zambonin**

Editors: **Surface Characterization of Advanced Polymers; VCH Publ., 1993**

**C.Malitesta, G.Morea, L.Sabbatini, P.G.Zambonin**

X-Ray Photoelectron Spectroscopy Analysis of Conducting Polymers; **Chap 5 in "Surface Characterization of Advanced Polymers", L.Sabbatini and P.G.Zambonin Eds.; VCH Publ., 1993**

**L.Sabbatini, P.G.Zambonin**

Spettroscopia di superficie nell'analisi dei materiali.

**Richmac Magazine Luglio/Agosto (1993) 81**

**L.Sabbatini, R.Guascito, F.Palmisano, T.Rotunno, P.G.Zambonin**

Surface characterization of ancient pottery fragments by X-ray Photoelectron Spectroscopy. Part I. Analysis of a golden leaf covering.

**Sci.Techn.Cult.Heritage 3 (1994) 1**

**L.Sabbatini, R.Guascito, F.Palmisano, P.G.Zambonin**

Surface characterization of ancient pottery fragments by X-ray Photoelectron Spectroscopy. Part II. Analysis of a red coloured pigment.

**Sci.Techn.Cult.Heritage 3 (1994) 9**

**L.Torsi, E.De Giglio, L.Sabbatini, P.G.Zambonin**

An electroanalytical investigation of polybithiophene modified platinum electrode.

**J.Electrochem Soc. 141 (1994) 2608**

**E.De Giglio, L.Sabbatini, M.Colucci, N.Semeraro, S.Colucci, G.Zambonin**

Studio della Biocompatibilita' (Sangue e sistema cellulare osseo) di membrane polimeriche utilizzate per la immobilizzazione di molecole bioattive.

**Gnoseis 1 (1994) 24**

**C.Malitesta, M.R.Guascito, L.Sabbatini**

Role of XPS in organometallic investigations. Some recent cases of study.

**Trends in Organometallic Chemistry, 1 (1994) 513**

**L.Torsi, L.Sabbatini, P.G.Zambonin**

Thin Polymeric Films in Organic/Inorganic Diodes

**Advanced Materials 7 (1995) 417**

**C.Jansson, S.Tougaard, G.Beamson, D.Briggs, S.F.Davies, A.Rossi, R.Hauert, G.Hobi, N.M.D.Brown, B.J.Meenan, C.A.Anderson, M.Repoux, C.Malitesta, L.Sabbatini.**

Intercomparison of algorithms for background correction in XPS  
**Surf. Interface Anal. 23 (1995) 484**

**A.Guerrieri, L.Sabbatini, P.G.Zambonin, F.Ricci, A.Pocobelli, L.Cerulli**

The effect of antidenaturant drugs on lysozyme deposit formation on soft contact lenses by liquid chromatography-electrochemical detection.  
**Biomaterials, 16 (1995) 1025**

**C.Malitesta, I.Losito, L.Sabbatini, P.G.Zambonin**

New findings on polypyrrole chemical structure by XPS coupled to chemical derivatization labelling.

**J. Electron Spectr. Rel. Phenom., 76 (1995) 629**

**I.Losito, C.Malitesta, L.Sabbatini, P.G.Zambonin**

Pristine and overoxidized polypyrrole by XPS  
**Surface Science Spectra, 3 (1994-95) 375**

**T.R.I.Cataldi, A.M.Salvi, D.Centonze, L.Sabbatini**

Voltammetric and XPS investigations of Polynuclear Ruthenium-Containing Cyanometallates Film Electrodes

**J.Electroanal.Chem., 406 (1996) 91**

**M.R.Guascito, P.Boffi, C.Malitesta, L.Sabbatini, P.G.Zambonin**

Conducting polymer electrodes modified by metallic species for electrocatalytic purposes: spectroscopic and microscopic characterization.

**Mater. Chem. Phys., 44 (1996) 17**

**L.Sabbatini, P.G.Zambonin**

XPS and SIMS surface chemical analysis of some important classes of polymeric biomaterials.

**J.Electron Spectrosc. 81 (1996) 285**

**T.Rotunno, L.Sabbatini, M.Corrente**

The archaeological sites near Canosa of Puglia (Italy): a provenance study.

**Archaeometry, 39,2 (1997) 343**

**M.Pezzuto, L.Torsi, A.Siciliano, R.Rella, L.Sabbatini, L.Valli, P.G.Zambonin**

Electrochemical inclusions of catalytic metals in organic thin films for gas sensors applications.

**Proceedings of 11th European Conference on Solid State Transducers, Eurosensors XI, Warsaw, 21-24 Sept. 1997, Vol.I, p. 353**

**I.Losito, E.De Giglio, C.Malitesta, L.Sabbatini, P.G.Zambonin**

Chemical derivatization-XPS analysis: a global approach to the characterization of polymer surfaces.

**Spectr. Europe, 9 (1997) 16**



**E.De Giglio, L.Sabbatini, G.Intonti, M.Grano, G.Zambonin**

New biocompatible interfaces for bone implants: development and analytical characterization.

**Egyptian Journal of Analytical Chemistry, 6 (1997) 19**

**V.I.Slaveykova, L.Lampugnani, D.L.Tsalev, L.Sabbatini**

Morphological and spectroscopic investigation of the behavior of permanent iridium modifier deposited on pyrolytic graphite coated and zirconium treated platforms in electrothermal atomic absorption spectrometry.

**Spectrochim. Acta, Part B, 52 (1997) 2115**

**C. Malitesta, I. Losito, L. Sabbatini, P.G. Zambonin**

Applicability of chemical derivatization/X-Ray Photoelectron Spectroscopy (CD-XPS) to the characterization of complex matrices: case of electrosynthesized polypyrrole.

**J.Electron Spectr., 97 (1998) 199**

**L.Torsi, M.Pezzuto, P.Siciliano, R.Rella, L.Sabbatini, L.Valli, P.G.Zambonin**

Conducting polymers doped with metallic inclusions: new materials for gas sensors.

**Sensors and Actuators B, 48 (1998) 362**

**L.Torsi, C.Malitesta, L.Sabbatini, P.G.Zambonin, A.Dodabalapur, H.E.Katz**

Schottky diodes and field-effect transistors based on conjugated thiophenes.

**Mater. Sci. Eng., 5 (1998) 233**

**G.De Benedetto, F.Catalano, L.Sabbatini, P.G.Zambonin**

Analytical characterization of pigments on pre-roman pottery by means of spectroscopic techniques. Part I: white coloured shards.

**Fresenius J. Anal. Chem., 362 (1998) 170-175**

**T.Rotunno, L.Sabbatini, M.Corrente**

Chemical Characterization and classification of ceramic sherds excavated in the archeological area near *Canosa di Puglia*

**Proceedings of the 1st International Congress on "Science and Technology for the safeguard of Cultural Heritage in the Mediterranean Basin", November 27 - December 2, 1995; Catania (I); Vol.I, p. 707; published in Palermo 1998**

**G.De Benedetto, F.Catalano, L.Sabbatini, P.G.Zambonin**

Caratterizzazione analitica mediante tecniche spettroscopiche delle decorazioni pittoriche su ceramiche pre-romane

**Le Scienze della Terra e l'Archeometria, Patron Editore, (1999) 45**

**V.I.Slaveykova, L.Lampugnani, D. L. Tsalev, L.Sabbatini, E. De Giglio**

Permanent iridium modifier deposited on tungsten and zirconium treated platforms in electrothermal atomic absorption spectrometry. Vaporization of bismuth, silver and tellurium.

**Spectrochimica Acta, Part B, 54 (1999) 455-467**

**E. De Giglio, L.Sabbatini, P.G.Zambonin**

Development and analytical characterization of cysteine-grafted polypyrrole films electrosynthesised on Pt and Ti substrates as precursors of bioactive interfaces.

**J. Biomater. Sci.- Polymer Edition, 10 (1999) 845**

**L.Sabbatini, C.Malitesta, E.De Giglio, I.Losito, L.Torsi, P.G.Zambonin**

Electrosynthesized thin polymer films: the role of XPS in the design of application oriented innovative materials.

**J. Electr. Spectr. Rel. Phenom., 100 (1999) 35-53**

**N.Cioffi, L.Torsi, L.Sabbatini, P.G.Zambonin**

Synthesis and analytical characterization of nanostructured organic/inorganic composites as gas sensing layers

**Proceedings International Conference on "Instrumentation Methods of Analysis-Modern Trends and Applications" IMA 99 - September 19-22, - extended abstract- (1999)**

**L.Sabbatini, M.Tarantino, P.G.Zambonin, G.E.De Benedetto**

Analytical characterization of pigments on pre-roman pottery by means of spectroscopic techniques. Part II: red, brown and black coloured shards.

**Fresenius J. Anal. Chem., 366 (2000) 116-124**

**L.Torsi, A.Dodabalapur, L.Sabbatini, P.G.Zambonin**

Multiparameter gas sensors based on organic thin film transistors

**Sensors and Actuators B, 67 (2000) 312-316**

**N.Cioffi, L.Torsi, L.Sabbatini, P.G.Zambonin, T.Bleve-Zacheo**

Electrosynthesis and Characterisation of Nano-structured Palladium-Polypyrrole Composites.

**J. Electroanal. Chem., 488 (2000) 42-47**

**E.De Giglio, L.Sabbatini, S.Colucci, G.Zambonin**

Synthesis, analytical characterization and osteoblast adhesion properties on RGD-grafted polypyrrole coatings on titanium substrates

**J. Biomater. Sci – Polymer Edition, 10 (2000) 1073-1083**

**E.De Giglio, L.Sabbatini, L.Lampugnani, V.I.Slaveykova, D.L.Tsalev**

Surface investigation on chemically modified platforms for electrothermal atomic absorption spectrometry

**Surface Interface Analysis, 29 (2000) 747-753**

**E.De Giglio, L.De Gennaro, L.Sabbatini, G.Zambonin**

Analytical Characterization of collagen- and/or hydroxyapatite- modified polypyrrole films electrosynthesised on Ti-substrates for the development of new bioactive surfaces

**J. Biomater. Sci – Polymer Edition, 12 (2001) 63**

**E.De Giglio, A.Motta, L.Quagliarella, L.Sabbatini, G.Solarino, P.G.Zambonin**

A combined XPS-SEM/EDX investigation on explanted UHD polyethylene acetabular cups: role of silicon traces in the wear debris.

**J. Mater. Sci. - Materials in Medicine, 12 (2001) 23**

**L.Torsi, A.Dodalapur, N.Cioffi, L.Sabbatini, P.G.Zambonin**

NTCDA Organic Thin Film Transistor as Humidity Sensor: Weaknesses and Strengths  
**Sensors and Actuators B, 77 (2001) 7-11**

**N.Cioffi, L.Torsi, I.Losito, C.Di Franco, I.De Bari, L.Chiavarone, G.Scamarco, V.Tsakova, L.Sabbatini, P.G.Zambonin**

Electrosynthesis and analytical characterization of nanostructured copper-polypyrrole thin films.

**Journal of Material Chemistry, 11 (2001) 1434-1440**

**L.Torsi, N.Cioffi, C.Di Franco, L.Sabbatini, P.G.Zambonin, T.Bleve-Zacheo**

Organic Thin film Transistors: From Active Materials to Novel Applications  
**Solid State Electronics, 45(6) (2001) 1479-1485**

**N.Cioffi, L.Torsi, I.Losito, L.Sabbatini, P.G.Zambonin, T.Bleve-Zacheo**

Nanostructured Palladium-Polypyrrole Composites Electrosynthesised from Organic Solvents

**Electrochimica Acta , 46 (2001) 4205-4211**

**E.De Giglio, M.R.Guascito, L.Sabbatini, G.Zambonin**

Electropolymerization of pyrrole on titanium substrates for the development of new biocompatible surfaces

**Biomaterials, 22 (2001) 2609-2616**

**S.C.Litescu, N.Cioffi, L.Sabbatini, G.L.Radu**

Study of phenol-like compounds antioxidative behaviour on low-density lipoprotein gold modified electrode

**Electroanalysis, 14 (2002) 858-865**

**N.Cioffi, I.Losito, L.Torsi, I.Farella, A.Valentini, L.Sabbatini, P.G.Zambonin, T.Bleve-Zacheo**

Analysis of the Surface Chemical Composition and Morphological Structure of Vapor-Sensing Gold-Fluoropolymer Nanocomposites.

**Chem.Mater., 14 (2002) 804-811**

**G.E.DeBenedetto, R.Laviano, L.Sabbatini, P.G.Zambonin**

Infrared Spectroscopy in the Chemical and Mineralogical Characterization of Ancient Pottery

**J.Cult.Heritage, 3 (2002) 177-186**

**L.Sabbatini, M.G.Manzari, P.G.Zambonin, G.E.De Benedetto, M.Corrente**

Ceramiche di scavo della zona archeologica di Canosa: un'indagine archeometrica  
**Editrice Proto, Bari (2002) ISBN 88-88823-01-8**

**A. Tafuri, L. Torsi, N. Cioffi, L.Sabbatini, P.G. Zambonin, M.C. Gallazzi, A.Sassella**

Organic thin film transistors for advanced chemical sensing.

*Sensors for Environmental Control, Proceedings of the International Workshop on New Developments on Sensors for Environmental Control*, Editor(s): Siciliano, Pietro

Lecce, Italy, May 27-29, 2002 (2003) 119-125. Publisher: World Scientific Publishing Co. Pte. Ltd., Singapore.

**E.De Giglio, I.Losito, L.Torsi, L.Sabbatini, P.G.Zambonin**

Electroanalytical and Spectroscopic Characterization of Poly(o-phenylenediamine) Grown on Highly Oriented Pyrolytic Graphite

**Annali di Chimica, 93 (3) (2003) 209-221**

**N. Cioffi, I. Farella, L. Torsi, A. Valentini, L. Sabbatini, P.G. Zambonin,**

Ion-Beam Sputtered Palladium-fluoropolymer Nano-composites as Active Layers for Organic Vapours Sensors”

**Sensors and Actuators B 93 (1-3) (2003) 180-185**

**L. Torsi, A.Tafuri, N. Cioffi, M.C. Gallazzi, A.Sassella, L.Sabbatini, P.G. Zambonin**

Regioregular polythiophene field-effect transistors employed as chemical sensors

**Sensors and Actuators B 93 (1-3) (2003) 256-261**

**L.Torsi, M.C.Tanese, N.Cioffi, L.Sabbatini, P.G.Zambonin**

Sensori di gas a transistori organici: una sfida aperta in chimica analitica

**La Chimica e l'Industria, 85 (6) (2003) 52-55**

**L.Torsi, M.C.Tanese, N.Cioffi, M.C.Gallazzi, L.Sabbatini, P.G.Zambonin, G.Raos, S.V.Meille, M.M.Giangregorio**

Side chain role in sensing regiodefined polythiophene field-effect transistors

**J. Phys. Chem B, 107 (31) (2003) 7589-7594**

**I. Losito, L. Sabbatini, J.A. Gardella Jr.**

Electron, ion, and mass spectrometry in Comprehensive Desk Reference of Polymer Characterization and Analysis,

**Editor: R. F. Brady Jr., Oxford University Press, 2003, pag. 375-407.**

**M.C. Tanese, L. Torsi, N. Cioffi, L. Sabbatini, P.G. Zambonin**

Sensors employing Functionalized Conducting Polymer Thin Film Transistors

**The Proceedings of the International Workshop** “International Workshop on Detecting Environmental, Industrial & Bio-Medical Signals”, Bari, Italy, on October 11<sup>th</sup> -12<sup>th</sup>, 2002. **112 –128 (2003)**. Eds. M. De Palma, M. Lugarà, S. Nuzzo and L. Torsi. Published by World Scientific Publications.

**L. Torsi, M.C. Tanese, N. Cioffi, L. Sabbatini and P.G. Zambonin.**

Polycrystalline Organic Thin Film Transistors for Advanced Chemical Sensing

**Proceedings SPIE – The International Society of Optical Engineering - Vol. 5217, pag. 167-175.(2003).**

**E.De Giglio, S.Cometa, G.Spotto, L.Sabbatini, P.G.Zambonin**

Electrosynthesis of acrylic films on titanium substrates for orthopaedic field applications: development and characterization

**Journal of Applied Biomaterials & Biomechanics, 1 (2003) 231**

**N. Cioffi, L. Torsi, I. Farella, D. Altamura, A. Valentini, L. Sabbatini, P.G. Zambonin, T. Bleve-Zacheo;**

Deposition and analytical characterization of fluoropolymers modified by palladium nanoparticles

**Thin Solid Films, 449 (2004) 25-33**

**L.Torsi, M.C.Tanese, N.Cioffi, M.C.Gallazzi, L.Sabbatini, P.G.Zambonin**

Alkoxy-substituted polyterthiophene thin film transistors as alcohol sensors

**Sensors and Actuators B, 98/2-3 (2004)**

**E.De Giglio, I Losito, F.Dagostino, L.Sabbatini, P.G.Zambonin, A.Torrisi, Licciardiello**

Analytical characterization of poly(pyrrole-3-carboxylic acid) films electrosynthesised on Pt, Ti and TiAlV substrates

**Annali di Chimica, 94 (2004) 207**

**N. Cioffi, L. Torsi, I. Farella, D. Altamura, A. Valentini, L. Sabbatini, P.G. Zambonin;**

The swelling of vapor-sensitive fluoropolymers modified with metal nanoparticles: interpretation of the material-vapor interaction mechanism

**Sensors and Actuators B, 100 (2004) 9-16**

**M.C.Tanese, L.Torsi N.Cioffi, D.Colangiuli, G.M.Farinola, F.Babudri, F.Naso, L.Sabbatini, P.G.Zambonin**

Poly(phenyleneethynylene) polymers bearing glucose substituents as promising active layers in enantioselective chemiresistors

**Sensors and Actuators B, 100 (2004) 17-21**

**N. Cioffi, L. Torsi, N. Ditaranto, L. Sabbatini, P.G. Zambonin, G. Tantillo, L. Ghibelli, M.D'Alessio, T. Bleve-Zacheo, E. Traversa**

Antifungal activity of polymer-based copper nanocomposite coatings

**Applied Physical Letters, 85 (2004) 2417-2419 .**

**G.E.De Benedetto, P.Acquafredda, M.Masieri, G.Quarta, L.Sabbatini, P.G.Zambonin, M.Tite, M.Walton,**

Investigation on Roman Lead Glaze from Canosa: Results of Chemical Analysis

**Archeometry, 46 (2004) 615-624**

**V.Calo', A.Nacci, A.Monopoli, A.Fornaro, L.Sabbatini, N.Cioffi, N.Ditaranto**

Heck Reaction Catalyzed by Nanosized Palladium on Chitosan in Ionic Liquids

**Organometallics, 23 (2004) 5154-5158**

**R.Laviano, M.Milella, L.Sabbatini, E.Scandale, M.P.Cafaro, L.Fragasso, A.Grippo, E.Schirone**

Forme di degrado negli insediamenti rupestri nel territorio di Fasano: statica e pitture murali nella chiesa ipogea di San Giovanni

In **Diagnostica per la tutela del materiale e del costruito**, A.Catalano e G.Frunzio Editori, (2004) ISBN: 88-88141-80-4, pp. 129-140

**R.Laviano, M.Milella, L.Sabbatini, E.Scandale, N.Walsh,, F.Caldarola, R.Colaleo, P.De Mauro, G.Moschettini, L.Sabatelli**

Forme di degrado negli insediamenti rupestri nel territorio di Fasano: indagini sulla statica e sulle raffigurazioni pittoriche della chiesa ipogea di Lama d'Antico

In **Diagnostica per la tutela del materiale e del costruito**, A.Catalano e G.Frunzio Editori, (2004) ISBN: 88-88141-80-4, pp. 117-128

**N. Cioffi, L. Torsi, N. Ditaranto, R.A. Picca, G. Tantillo, L. Sabbatini, P.G. Zambonin**

Synthesis analytical characterization and bio-activity of Ag- and Cu-containing nano-structured membranes

**Journal of Applied Biomaterials and Biomechanics**, 2, 2004, 200 (selected abstract)

**N.Cioffi, N.Ditaranto, L.Torsi, R.A.Picca, L.Sabbatini, A.Valentini, L.Novello, G.Tantillo, T.Bleve-Zacheo, P.G.Zambonin**

Analytical Characterization of Bioactive Fluoropolymer Ultra-thin Coatings Modified by Copper Nanoparticles

**Analytical and Bioanalytical Chemistry**, 381 (2005) 607-616

**E.De Giglio, S.Cometa, L.Sabbatini, P.G.Zambonin, G.Spotto**

Electrosynthesis and Analytical Characterization of PMMA Coatings on Titanium Substrates as Barrier Against Ions Release

**Analytical and Bioanalytical Chemistry**, 381 (2005) 626-633

**B.Roda, N.Cioffi, N.Ditaranto, A.Zattoni, S.Casolari, D.Melucci, P.Reschiglian, L.Sabbatini, A.Valentini, P.G.Zambonin**

Biocompatible channels for field-flow fractionation of biological samples: correlation between surface composition and operating performances

**Analytical and Bioanalytical Chemistry**, 381 (2005) 639-646

**E. De Giglio, C.D. Calvano, I. Losito, L. Sabbatini, P.G. Zambonin, A. Torrisi, A. Licciardello**

Surface (XPS, SIMS) chemical investigation on poly(pyrrole-3-acetic acid) films electrosynthesised on Ti and TiAlV substrates for the development of new bioactive substrates.

**Surf. Interface Anal.**, 37 (2005) 580-586

**G.E. De Benedetto, B. Fabbri, S. Gualtieri, L. Sabbatini, P.G. Zambonin**

FTIR-chemometric tools as aids for data reduction and classification of pre-Roman ceramics.

**Journal of Cultural Heritage**, 6 (2005) 205-211

**N. Cioffi, L. Torsi, N. Ditaranto, G. Tantillo, L. Ghibelli, L. Sabbatini, T. Bleve-Zacheo, M. D'Alessio, P.G. Zambonin, E. Traversa**

Copper nanoparticle/polymer composites with antifungal and bacteriostatic properties

**Chemistry of Materials**, 17 (2005) 5255-5262.

**N. Cioffi, N. Ditaranto, L. Torsi, R.A. Picca, E. De Giglio, L. Sabbatini, L. Novello, G. Tantillo, T. Bleve-Zacheo, P.G. Zambonin**

Synthesis, analytical characterization and bio-activity of Ag and Cu nanoparticles

embedded in poly-vinyl-methyl-ketone films  
**Analytical and Bioanalytical Chemistry**, **382** (2005) 1912.  
(Wilhelm Fresenius Special Issue: Invited Paper)

**M. Faticanti, N. Cioffi, S. De Rossi, N. Ditaranto, P. Porta, L. Sabbatini, T. Bleve-Zacheo**

Pd supported on tetragonal zirconia: electrosynthesis, characterization and catalytic activity toward CO oxidation and CH<sub>4</sub> combustion

**Journal of Applied Catalysis B, Environmental**, **60** (2005) 73-82.

**N. Cioffi, L. Torsi, N. Ditaranto, L. Traversa, T. Bleve-Zacheo, L. Sabbatini, P.G. Zambonin**

Core-shell metal nanoparticles. Electrosynthesis, analytical characterization and perspective application in advanced sensing devices,

in *“Advances in Sensors and Interfaces”, Proceedings of the First International Workshop on Advances in Sensors and Interfaces, 19-20 April 2005, Bari, Italy*, D. De Venuto and B. Courtois Ed.s, Edizioni G. Laterza, Bari, 2005, pages 173-177 - ISBN 88-8231-323-9 -.

**D.Grassi, S.Grimaldi, L.Sabbatini, V.Simeone, I.Van der WERF**

Principali cause del degrado del cospicuo patrimonio artistico ospitato dagli insediamenti rupestri della Puglia

**Giornale di Geologia Applicata** **4** (2006) 73-78

Doi: 10.1474/GGA.2006-04.0-09.0137

**M.C.Tanese, G.M.Farinola, B.Pignataro, L.Valli, L.Giotta, S.Conoci, P.Lang, D.Colangiuli, F.Babudri, F.Naso, L.Sabbatini, P.G.Zambonin, L.Torsi**

Poly(alkoxyphenylene-thienylene) Langmuir-Schafer thin films for advanced performance transistors

**Chemistry of Materials**, **18**(3) (2006) 778-784

**N. Cioffi, N. Ditaranto, L. Torsi, G. Tantillo, L. Sabbatini, P.G. Zambonin**,  
Materiali compositi nanostrutturati a base di rame ed argento per applicazione in vernici biocide/biostatiche, rivestimenti e membrane

**Trattamenti e Finiture**, **3**, (2006) 40-44.

**N. Cioffi, L. Traversa, N. Ditaranto, A. M. Taurino, M. Epifani, P. Siciliano, T. Bleve-Zacheo, L. Sabbatini, L. Torsi, P.G. Zambonin**

Core-shell Pd nanoparticles embedded in SnO<sub>x</sub> films. Synthesis, analytical characterization and perspective application in chemiresistor-type sensing devices",

**Microelectronics Journal**, **37**/12 (2006) 1620-1628

**E.De Giglio, S.Cometa, C.D.Calvano, L.Sabbatini, P.G.Zambonin, S.Colucci, A. Di Benedetto, G.Colaianni**

A new titanium biofunctionalized interface based on poly(pyrrole-3-acetic acid) coating: proliferation of osteoblast-like cells and future perspectives

**Journal of Materials Science: Materials in Medicine**, **18**(9) (2007) 1781-9

**E. De Giglio, S. Cometa, N. Cioffi, L. Torsi, L. Sabbatini**

Analytical investigations on poly(acrylic acid) coatings electrodeposited on titanium

based implants: a versatile approach to biocompatibility enhancement  
**Analytical & Bioanalytical Chemistry**, 389 (2007) 2055-2063

**N. Cioffi, M. Faticanti, N. Ditaranto, S. De Rossi, L. Traversa, A. Monopoli, A. Nacci, L. Torsi, L. Sabbatini**

Analytical characterisation of Pd/ZrO<sub>2</sub> composite nanoparticles employed in heterogeneous catalysis

**Current Nanoscience**, 3 (2007) 121-127

**D. Marano, M. Marmontelli, G.E. De Benedetto, I.M. Catalano, L. Sabbatini, F. Vona**

Pigment identification on "The Ecstasy of St. Theresa" painting by Raman microscopy  
**Springer Proceedings in Physics** (2007), 116(Lasers in the Conservation of Artworks), 349-354. Publisher: Springer GmbH, CODEN: SPPPEL ISSN: 0930-8989

**Elio Desimoni,; Francesco Palmisano; Luigia Sabbatini**

Contributions of Professor Pier Giorgio Zambonin to analytical chemistry

**Analytical and Bioanalytical Chemistry** 389(7-8) (2007) 2051-2053 - *Journal Editorial*

**D. Thorburn Burns, Giovanni Piccardi, Luigia Sabbatini**

Some People and Places Important in the History of Analytical Chemistry in Italy  
**Mikrochimica Acta**, 160 (2008) 57-87

**M.C.Tanese, B.Pignataro G.M.Farinola, D.Colangiuli, L.Valli, L.Giotta, S.Conoci, F.Marinelli, F.Babudri, F.Naso, L.Sabbatini, P.G.Zambonin, L.Torsi**

Nanostructural depth-profile and field-effect properties of thin Poly(alkoxyphenylene-thiophene) Langmuir-Schäfer films

**Thin Solid Films**, 516 ( 2008) 3263-3269

**E.Ieva, K.Buchholt, L.Colaiani, N.Cioffi, L.Sabbatini, G.C.Capitani, A.Lloyd Spetz, P.O.Kall, L.Torsi**

Au nanoparticles as gate material for NO<sub>x</sub> field effect gas sensors

**Sensor Letters**, 6 (2008) 577-584

**I.D. van der Werf, R.Gnisci, D.Marano, G.E. De Benedetto, R.Laviano, D.Pellerano, F.Vona, F.Pellegrino, E.Andriani, I.M.Catalano, A.F.Pellerano, L.Sabbatini**

San Francesco d'Assisi (Apulia, South Italy): study of a manipulated 13<sup>th</sup> century panel painting by complementary diagnostic techniques

**Journal of Cultural Heritage**, 9 (2008) 162-171

**A.Monno, R.Laviano, I.D. van der Werf, D.Calvano, L.Sabbatini, I.Bonaduce**

Indagini diagnostiche del "San Pietro martire" di Giovanni Bellini,

in "Giovanni Bellini- San Pietro Martire: storia, arte, restauro", a cura di Clara Gelao; pagg. 45-56, Marsilio Editori, (2008); ISBN 88-317-9559

**I.D. van der Werf, E. Andriani, A. Albanese, G. Daurelio, D. Marano, L. Sabbatini, I.M. Catalano**



Laser Removal and chemical characterisation of graffiti varnish spray and felt-tip markers on stone monuments, in: J.H. Townsend, L. Toniolo, F. Cappitelli (eds), *Conservation Science 2007*, Papers (peer reviewed) from the conference held in Milan, Italy 10-11 May 2007

**Archetype Publications, London (2008) pp. 23-32 (ISBN: 978-1-904982-34-0)**

**M.A.Nitti, F.Rizzo, A.Valentini, S.Cotrone, N.DiTaranto, N.Cioffi, L.Sabbatini, L.Torsi**

Analisi XPS di film diamond-like carbon depositati tramite ion-beam sputtering

**La Chimica e l'Industria, 10 (2008) 106-109**

**E.Ieva, A.Trapani, N.Cioffi, N.Di Taranto, A.Monopoli, L.Sabbatini**

Analytical Characterization of Chitosan Nanoparticles for Peptide Drug Delivery Applications

**Analytical and Bioanalytical Chemistry, 393 (2009) 207-215**

**I.D. van der Werf, A.Mangone, L.C. Giannossa, A.Traini, R.Laviano, L.Sabbatini**

Archaeometric investigation of Roman tesserae from Herculaneum (Italy) by the combined use of complementary micro-destructive analytical techniques

**J. Archaeological Science 36 (2009) 2625-2634**

**C.Pilolli, I. van der Werf, L.C. Giannossa, A.Mangone, M.C.Caggiani, G.E.De Benedetto, R.Laviano, N.Ditaranto, A.Traini, L.Sabbatini**

Rivestimenti musivi da Ercolano. Indagine archeometrica su tessere.

**In: A.Coralini.. – Vesuviana. Archeologie a confronto- p.639-656, Bologna: AnteQuem, (2009)**

**ISBN: 978-88-7849-043-7**

**L.Torsi, F.Marinelli, M.D.Angione, A.Dell'Aquila, N.Cioffi, E.De Giglio, L.Sabbatini**

Contact effects in organic thin-film transistor sensors

**Organic Electronics 10 (2009) 233-239**

**DOI information: 10.1016/j.orgel.2008.11.009**

**E.De Giglio, S.Cometa, C.Satriano, L.Sabbatini, P.G.Zambonin**

Electrosynthesis of hydrogel films on metal substrates for the development of coatings with tunable drug delivery performances

**Journal of Biomedical Material Research, Part A , 88(4), 2009, 1048-1057**

**N.Cioffi, N.Ditaranto, L.Torsi, L.Sabbatini,**

Approaches to Synthesis and Characterization of Spherical & Anisotropic Copper Nanomaterials

**Metallic Nanomaterials – Series of textbooks “Nanomaterials for the Life Sciences” - Invited review chapter; Vol. 1, pages 3-70, (2009) C.Kumar Editor Wiley.VCH**

**ISBN 978-3-527-32151-3**

**L.Torsi,N.Cioffi,E.Marinelli,E.Ieva,L.Colaianni,A.Dell'Aquila,G.P.Suranna, P.Mastrorilli,S.G.Mhaisalkar, K.Bucholt, A.Lloyd Spetz and L. Sabbatini**

Organic Thin-Film Transistors for Inorganic Substance Monitoring

in "Organic Electronics in Sensors and Biotechnology", Chapter 2, pages 51-91,  
(2009) Ruth Shinar and Joseph Shinar Eds.; McGraw-Hill  
ISBN 978-0-07-159675-6

**I. Van der Werf, F. Palmisano, L. Sabbatini**

A Pyrolysis GC-MS Investigation of POLY(VINYL PHENYL KETONE)  
**Journal of Analytical and Applied Pyrolysis 86 (2009) 233-238**  
Doi: 10.1016/j.jaap.2009.06.010

**N. Cioffi, D. Longano, N. Ditaranto, L. Sabbatini**

Bioactive Copper Nanomaterials  
**La Chimica & l'Industria, review ad invito (2009)**

**D. T. Burns, L. Sabbatini**

Vittorio Amedeo Gioanetti: a notable Italian Physician, Chemist and Ceramist.  
**La Chimica & l'Industria, 06 (2009) 90-95**

**N. Cioffi, N. Ditaranto, L. Sabbatini, L. Torsi, P. G. Zambonin**

Nanomaterials for controlled metal release and process for their production  
**European Patent, EP 2123797A1, Bulletin 2009/48, publication date: 25/11/2009**

**E. De Giglio, S. Cometa, M. A. Ricci, A. Zizzi, D. Cafagna, S. Manzotti, L. Sabbatini, M. Belmonte Mattioli**

Development and characterization of rhVEGF-loaded Poly(HEMA-MOEP) coatings electrosynthesised on titanium substrates to enhance bone mineralization and angiogenesis  
**Acta Biomaterialia, 6 (2010) 282-290**  
DOI 10.1016/j.actbio.2009.07.008

**S. Cometa, F. Chiellini, I. Bartolozzi, E. Chiellini, E. De Giglio, L. Sabbatini**

Surface segregation assessment in poly(epsilon-Caprolactone)-poly(Ethylene Glycol) Multiblock Copolymer Films  
**Macromol. Biosci., 10 (2010) 317-327**

**E. De Giglio, D. Cafagna, M. A. Ricci, L. Sabbatini, S. Cometa, C. Ferretti, M. Mattioli-Belmonte**

Biocompatibility assessment of poly(acrylic acid) thin coatings electrosynthesised onto TiAlV-based implants  
**Journal of Bioactive and Compatible Polymers, 25 (2010) 374-391**  
<http://www.sagepub.co.uk/journalsPermissions.nav>  
doi:10.1177/0883911510372290

**D. Longano, N. Ditaranto, N. Cioffi, A. Conte, M. A. Del Nobile, G. P. P. Leone, L. Sabbatini, L. Torsi**

Sintesi e caratterizzazione di film nanocompositi antimicrobici a base di rame ed acido polilattico per applicazioni nel settore del food packaging  
**Conference proceedings, BIOPOLPACK, Università di Parma, 15-16 Aprile 2010.**

**E. De Giglio, S. Cometa, D. Cafagna, A. Allegretta, A. M. Savino, L. Sabbatini, L. Novello, G. Tantillo**

Development of Cu/Ag nanoparticle-based antibacterial coatings for titanium implants.  
**J. Appl. Biomater. & Biomech.**, 8(2), 109 (2010) short paper

**S. Cometa, F. Chiellini, I. Bartolozzi, E. Chiellini, E. De Giglio, L. Sabbatini**  
Synthesis and characterization of amphiphilic multiblock copolymers for tissue engineering applications  
**J. Appl. Biomater. & Biomech.**, 8(2), 107 (2010) short paper

**Giuseppe E. De Benedetto, Silvia Nicolì, Daniela Rizzo, Luigia Sabbatini**  
An integrated spectroscopic approach to investigate pigments and engobes on pre-Roman pottery  
**J. Raman Spectroscopy** 42 (2011) 1317-1323  
DOI : 10.1002/jrs.2845

**I.D. van der Werf, G.Germinario, F.Palmisano, L.Sabbatini**  
Characterization of permanent markers by pyrolysis gaschromatography – mass spectrometry  
**Analytical and Bioanalytical Chemistry**, 399 (2011) 3483-3490  
DOI 10.1007/s00216-011-4714-z

**N.Cioffi, E.Colaianni, E.Ieva, R.Pilolli, N.Ditaranto, M.D.Angione, S.Cotrone, K.Bucholt, A.Lloyd Spetz, L.Sabbatini, L.Torsi**  
Electrosynthesis and characterization of gold nanoparticles for electronic capacitance sensing of pollutants.  
**Electrochimica Acta**, 56 (2011) 3713-3720  
DOI: 10.1016/j.electacta.2010.12.105

**N.Ditaranto, S.Loperfido, I. Van der Werf, A.Mangone, N.Cioffi, L.Sabbatini**  
Preparation and characterization of novel copper nanomaterials for bioactive stone artworks treatment  
**Analytical and Bioanalytical Chemistry**, 399 (2011) 473-481

**E. De Giglio, S. Cometa; M. A. Ricci; D.Cafagna; A. M.Savino; Luigia Sabbatini; M. Orciani; E. Ceci; L. Novello; G. M. Tantillo; M. Mattioli Belmonte**  
Ciproflaxacin-modified electrosynthesised hydrogel coatings to prevent titanium implant-associated infections  
**Acta Biomaterialia**, 7 (2011) 882-891

**C.D Calvano, I.D. van der Werf, F. Palmisano, L. Sabbatini**  
Fingerprinting of egg and oil binders in painted artworks by matrix-assisted laser desorption ionization time of flight mass spectrometry analysis of lipid oxidation by-products  
**Analytical and Bioanalytical Chemistry**, 400 (2011) 2229-2240  
DOI 10.1007/s00216-011-4919-1

**E. De Giglio, A.Trapani , D.Cafagna, L.Sabbatini, S.Cometa**  
Dopamine-loaded chitosan nanoparticles: formulation and analytical characterization  
**Analytical and Bioanalytical Chemistry**, 400 (2011) 1997-2002  
DOI 10.1007/s00216-011-4962-y

**A.Tache, S.Cotrone, S.C.Litescu, N.Cioffi, L.Torsi, L.Sabbatini, G.L.Radu**  
Spectrochemical characterization of thin layer of lipoproteins self-assembled films on solid supports under oxidation process  
**Analytical Letters 44-5(2011) 747-760**  
**Doi 10.1080/00032711003790098**

**M.D.Angione, R.Piloli, S.Cotrone, M.Magliulo, A.Mallardi, G.Palazzo, L.Sabbatini, D.Fine, A.Dodabalapur, N.Cioffi, L.Torsi**  
Carbon based materials for electronic bio-sensing  
**Materials Today,14-9 (2011) 424-433**

**D.T. Burns, L.Sabbatini**  
Robert Boyle (1627-1691): The Italian Connections. Part 1 – Robert Boyle's acquisition of knowledge about Italy and its scholarship  
**La Chimica & l'Industria, 5 (2011) 136-141**

**D.T. Burns, L.Sabbatini**  
Robert Boyle (1627-1691): The Italian Connections. Part 2 – How Italy and other parts of Europe acquired knowledge about Robert Boyle and his works  
**La Chimica & l'Industria, 6 (2011) 130-135**

**A.Mangone, G.E.De Benedetto, D.Fico, L.C.Giannossa, R.Laviano, L.Sabbatini, I.D.vander Werf, A. Traini**  
A multianalytical study of archeological faience from Vesuvian area as a valid tool to investigate provenance and technological features  
**New J. Chem., 35 (2011) 2860-2868**  
**DOI:10.1039/c1nj20626e**  
(selected as featured article on the cover of the journal)

**M.R.Guascito, C.Malitesta, L.Sabbatini**  
Nucleation and Growth of Copper particles on Pt and Pt/Poly-3-Methylthiophene Modified Electrode in Presence of Cl- Complexing Agent  
**Materials Chemistry and Physics 131 (2012) 719-727**  
**DOI:10.1016/j.matchemphys.2011.10.041**

**L.Sabbatini, L.Torsi**  
Surface Architectures for Analytical Purposes  
**Analytical and Bioanalytical Chemistry 402 (2012) 1737-1738**  
**DOI: 10.1007/s00216-011-5588-9**

**S. Cotrone, D. Cafagna, S. Cometa, E. De Giglio, M. Magliulo, L. Torsi, L. Sabbatini**  
Microcantilevers and organic transistors: two promising classes of label-free biosensing devices which can be integrated in electronic circuits  
**Analytical and Bioanalytical chemistry 402 (2012) 1799-1811**  
**DOI: 10.1007/s00216-011-5610-2**

**I.D. van der Werf, C. D. Calvano, F. Palmisano, L. Sabbatini**  
A simple protocol for MALDI-TOF-MS analysis of lipids and proteins in single

microsamples of paintings  
**Anal.Chim.Acta, 718 (2012) 1-10**  
**DOI: 10.1016/j.aca.2011.12.056**  
(selected as featured article on the cover of the journal)

**D. Longano, N. Ditaranto, N. Cioffi, F. Di Niso, T. Sibillano, A. Ancona, A. Conte, M. A. Del Nobile, L. Sabbatini, L. Torsi**  
Analytical characterization of laser-generated copper nanoparticles for antibacterial composite food packaging  
**Analytical and Bioanalytical Chemistry 403 (2012) 1179-1186**  
**DOI: 10.1007/s00216-011-5689-5**

**D. Longano, N. Ditaranto, L. Sabbatini, L. Torsi, N. Cioffi**  
Synthesis and antimicrobial activity of copper nanomaterials  
in "Nano-Antimicrobials. Progress and prospects", chapter 3, pages 119-150,  
(2012) Nicola Cioffi and Mahendra Rai Editors; Springer  
**ISBN 978-3-642-24427-8**

**M.D. Angione, S. Cotrone, M. Magliulo, A. Mallardi, D. Altamura, C. Giannini, N. Cioffi, L. Sabbatini, E. Fratini, P. Baglioni, G. Scamarcio, G. Palazzo, L. Torsi.**  
Interfacial electronic effects in functional bio-layers integrated into organic field-effect transistors  
**PNAS 109 (17) (2012) 6429-6434**  
**doi:10.1073/pnas.1200549109**

**A. Afzal, N. Cioffi, L. Sabbatini, L. Torsi**  
NO<sub>x</sub> sensors based on semiconducting metal oxide nanostructures: progress and perspectives.  
**Sensors & Actuators: B. Chemical, 171-172 (2012) 25-42**  
**doi: 10.1016/j.snb.2012.05.026**

**R. Pilolli, N. Ditaranto, N. Cioffi, L. Sabbatini**  
Non-destructive depth profile reconstruction of bio-engineered surfaces by parallel angle resolved x-ray photoelectron spectroscopy  
**Analytical and Bioanalytical Chemistry 405 (2013) 713-724**  
**doi: 10.1007/s00216-012-6179-0**

**M.D. Angione, M. Magliulo, S. Cotrone, A. Mallardi, D. Altamura, C. Giannini, N. Cioffi, L. Sabbatini, D. Gobeljic, G. Scamarcio, G. Palazzo, L. Torsi**  
Volatile general anaesthetic sensing with organic field-effect transistors integrating phospholipids membranes  
**Biosensors & Bioelectronics 40 (2013) 303-307**  
**doi: 10.1016/j.bios.2012.07.068**

**I. van der Werf, C. D. Calvano, R. Laviano, A. Simonetti, L. Sabbatini**  
Multi-technique chemical characterization of a 12/13<sup>th</sup> century painted crucifix  
**Microchemical Journal 106 (2013) 87-94**  
**doi: 10.1016/j.microc.2012.05.011**

**E. De Giglio, D. Cafagna, S. Cometa, A. Allegretta, A. Pedico, L.C. Giannossa, L. Sabbatini, M. Mattioli-Belmonte, R. Iatta**

An Innovative, easily fabricated, silver nanoparticles-based titanium implant coating development and characterization

**Analytical and Bioanalytical Chemistry 405 (2013) 805-816**

**doi: 10.1007/s00216-012-6293-z**

**M.Magliulo, A.Mallardi, R.Gristina, F.Ridi, L.Sabbatini, N.Cioffi, G.Palazzo, L.Torsi**

Part-per-trillion label-free electronic bio-analytical detection

**Analytical Chemistry 85 (2013) 3849-3857**

**Doi: 10.1021/ac302702n**

**Naseer Iqbal, Adeel Afzal, N.Cioffi, L.Sabbatini, L.Torsi**

NO<sub>x</sub> sensing one- and two-dimensional carbon nanostructures and nanohybrids: progress and perspectives

**Sensors & Actuators: B. Chemical 181 (2013) 9-21**

**L.C.Giannossa, S. Loperfido, M. Caggese, G. E. De Benedetto, R.Laviano, L. Sabbatini, A. Mangone**

A systematic characterization of fibulae from Italy:from chemical composition to microstructure and corrosion processes

**New J. Chem, 37 (2013) 1238 – 1251**

**Doi: 10.1039/c2nj40362e**

**I.D.van der Werf, A.Monno, R.Laviano, L.Sabbatini**

Il Bordon della Pinacoteca di Bari. Alla scoperta della tavolozza e della tecnica pittorica.

**In “Paris Bordon in Puglia. Un restauro e due scoperte”; Clara Gelao Editor;**

**Marsilio Publisher (Venezia-Italy); (2013) , p. 71-85 .**

**ISBN 978-88-317-1648-2**

**Dumitru, Liviu; Manoli, Kyriaki; Magliulo, Maria; Sabbatini, Luigia; Palazzo, Gerardo; Torsi, Luisa**

Plain Poly(acrylic acid) Gated Organic Field-Effect Transistors on a Flexible Substrate

**ACS Appl. Mater. Interfaces, 5 (2013) 10819-10823**

**DOI: dx.doi.org/10.1021/am403008b**

**Georgiana Ileana Truică, Nicoletta Ditaranto, Maria Cristina Caggiani, Annarosa Mangone, Simona Carmen Litescu, Eugenia Dumitra Teodor, Luigia Sabbatini, Gabriel Lucian Radu**

A multi-analytical approach to amber characterisation

**CHEMICKÉ ZVESTI, 68 (2014) p. 15-21, ISSN: 0366-6352**

**Chemical Papers DOI: 10.2478/s11696-013-0415-8**

**Rosa Pilolli, Nicoletta Ditaranto, Antonio Monopoli, Angelo Nacci, Francesco Palmisano, Luigia Sabbatini, Nicola Cioffi**

Designing Functionalised Gold Surfaces and Nanostructures for Laser Desorption Ionisation Mass Spectrometry

**VACUUM, 100 (2014) 78-83**

**Doi: 10.1016/j.vacuum.2013.07.032**

**I.D. van der Werf; A. Aresta; G. I Trucă; G. L. Radu; F. Palmisano; L. Sabbatini**  
A quasi non-destructive approach for amber geological provenance assessment based on Head Space Solid-Phase Micro Extraction Gas Chromatography - Mass Spectrometry  
**Talanta, 119 (2014) 435-439**  
**DOI:10.1016/j.talanta.2013.11.051**

**Ferri, Marcella; Dash, Mamoni; Cometa, Stefania; De Giglio, Elvira; Sabbatini, Luigia; Chiellini, Federica**  
Preparation and characterization of hybrid nanoparticles based on chitosan and poly(methacryloylglycylglycine).  
**J Nanopart Res (2014) 16:2422-2433**  
**DOI 10.1007/s11051-014-2422-2**

**F. Valentini, E. Ciambella, V. Conte, L. Sabbatini, N. Ditaranto, F. Cataldo, G. Palleschi, M. Bonchio, F. Giacalone, Z. Syrgiannis, and M. Prato**  
Highly Selective detection of Epinephrine at oxidized Single-Wall Carbon Nanohorns modified Screen Printed Electrodes (SPEs).  
**Biosensors and Bioelectronics, 59 (2014) 94-98**  
**DOI : 10.1016/j.bios.2014.02.065**

**Maria Chiara Sportelli, Maria Angela Nitti, Marco Valentini, Rosaria Anna Picca, Elisabetta Bonerba, Luigia Sabbatini, Giuseppina Tantillo, Nicola Cioffi, Antonio Valentini**  
Ion Beam Sputtering deposition and characterization of ZnO-fluoropolymer nano-antimicrobials  
**Science of Advanced Materials, 6 (2014) 1019-1025**  
**DOI: 10.1166/sam.2014.1852**

**Manoli, Kyriaki; Patrikoussakis, Marios; Magliulo, Maria; Dumitru, Liviu; Mulla, Mohammad Yusuf; Sabbatini, Luigia; Torsi, Luisa**  
Pulsed voltage driven organic field-effect transistors for high stability transient current measurements.  
**Organic Electronics 15 (2014) 2372–2380.**  
**DOI: 10.1016/j.orgel.2014.06.034**

**S. Cometa, L. Sabbatini**  
Introductory remarks in polymer and polymer surfaces  
in “Polymer Surface Characterization”, chap.1, pp. 1-37; **Luigia Sabbatini Ed., De Gruyter Publ., Germany, (2014)**  
**ISBN 978-3-11-027508-7**

**Longano, D. Email Author, Ditaranto, N., Sabbatini, L., Torsi, L., Cioffi, N.**  
Synthesis and antimicrobial activity of copper nanomaterials  
in “Nanoantimicrobials”, chapter, pp. 85-117 **Springer-Verlag, Germany (2014)**  
**ISBN: 978-364224428-5;3642244270;978-364224427-8**

**DOI: 10.1007/978-3-642-24428-5\_3**

**E. De Giglio, N. Ditaranto, L. Sabbatini**

Polymer surface chemistry: characterization by XPS

in “Polymer Surface Characterization”, chap.3, pp. 73-111; **Luigia Sabbatini Ed., De Gruyter Publ., Germany, (2014)**

**ISBN 978-3-11-027508-7**

**Giulia Germinario, Inez Dorothé van der Werf, Rosa Maria Montes-Estellés, José Luis Regidor-Ros, Luigia Sabbatini,**

Biocleaning of acrylic materials

in **Emerge2014, Valencia (Spain), (22-24 September 2014)**, eds. M.V. Vivancos, M.T. Doménech, M. Sánchez Pons, J. Osca Pons, València (Spain), Editorial Universitat Politècnica de València, 2014 (ISBN: 978-84-9048-317-6), pp. 39-46.

**C.D. Calvano, I. D. van der Werf\*, F. Palmisano, L. Sabbatini,**

Identification of lipid- and protein-based binders in paintings by direct on-plate wet chemistry and matrix assisted laser desorption ionization mass spectrometry

**Analytical and Bioanalytical Chemistry, 407 (2015) 1015-1022**

**DOI 10.1007/s00216-014-8359-6**

**Valentini F, Roscioli D, Carbone M, Conte V, Floris B, Bauer E, Ditaranto N, Sabbatini L, Caponetti E, Chillura Martino D**

Graphene and Ionic Liquids new Gel paste electrodes for caffeic acid quantification

**Sensors and Actuators: B. Chemical, 212 (2015) 248-255**

**DOI: 10.1016/j.snb.2015.02.033**

**C.D. Calvano\*, I. D. van der Werf, L. Sabbatini and F. Palmisano**

On plate graphite supported sample processing for simultaneous lipid and protein identification by matrix assisted laser desorption ionization mass spectrometry

**Talanta, 137 (2015) 161-166**

**DOI 10.1016/j.talanta.2015.01.030**

**I.D. van der Werf\*, N. Ditaranto\*, R. A. Picca, M.C. Sportelli1, L. Sabbatini**

Preventive conservation of stone monuments with bioactive nanocomposites

**Heritage Science, 3:29 (2015) 1-9**

**DOI: 10.1186/s40494-015-0060-3**

**N. Ditaranto, I. D. van der Werf, R. A. Picca, M. C. Sportelli, L. C.Giannossa, E. Bonerba, G. Tantillo, Luigia Sabbatini**

Characterization and behaviour of ZnO-based nanocomposites designed for the control of stone monuments biodeterioration

**New Journal of Chemistry, 39 (2015) 6836-6843**

**DOI: 10.1039/C5NJ00527B**

**Kyriaki Manoli, Maria Magliulo, Mohammad Yusuf Mulla, Mandeep Sing, Luigia Sabbatini, Gerardo Palazzo and Luisa Torsi\***

Printable Bioelectronics To Investigate Functional Biological Interfaces



**Angewandte Chemie Int.Ed., 54 (2015) 2-17**  
**DOI International Edition: 10.1002/anie.201502615**  
**DOI German Edition: 10.1002/ange.201502615**

**G. Germinario, I D van der Werf, L. Sabbatini**

Pyrolysis gas chromatography mass spectrometry of two green phtalocyanine pigments and their identification in paint systems

**Journal of Analytical and Applied Pyrolysis, 115 (2015) 175-183**

**DOI: 10.1016/j.jaap.2015.07.016**

**Luigia Sabbatini**

D. Thorburn Burns, R. Klaus Muller, Reiner Salzer, Gerhard Werner: Important figures of analytical chemistry from Germany in brief biographies. From the middle ages to the twentieth century; Book and Software in Review.

**Analytical and Bioanalytical Chemistry, 407 (2015) 7517-7519**

**DOI 10.1007/s00216-015-8970-1**

**I.D. van der Werf, D. Fico, G.E.De Benedetto, L.Sabbatini**

The molecular composition of Sicilian Amber

**Microchemical Journal, 125 (2016) 85-96**

**DOI: 10.1016/j.microc.2015.11.012**

**Giulia Germinario, Inez Dorothé van der Werf\*, Luigia Sabbatini**

Chemical characterisation of spray paints by a multi-analytical (Py/GC-MS, FTIR,  $\mu$ -Raman) approach

**Microchemical Journal, 124 (2016) 929-939**

**DOI: 10.1016/j.microc.2015.04.016**

**Nicoletta Ditaranto, Rosaria Anna Picca, Maria Chiara Sportelli, Luigia Sabbatini, Nicola Cioffi**

Surface characterization of textiles modified by copper and zinc oxide nano-antimicrobials

**Surface Interface Analysis, 48 (2016) 505-508**

**DOI 10.1002/sia.5951**

**Guglielmina Chimienti\*, Roberta Piredda, Gabriella Pepe, Inez Dorothé van der Werf, Luigia Sabbatini, Carmine Crecchio, Patrizia Ricciuti<sup>4</sup>, Anna Maria D'Erchia, Caterina Manzari, Graziano Pesole.**

Profile of microbial communities on carbonate stones of the medieval church of San Leonardo di Siponto (Italy) by Illumina-based deep sequencing

**Appl. Microbiol. Biotechnol, 100 (2016) 8537-8548**

**DOI 10.1007/s00253-016-7656-8**

**Inez D. van der Werf\*, Alessandro Monno, Daniela Fico, Giulia Germinario, Giuseppe Egidio De Benedetto and Luigia Sabbatini**

A multi-analytical approach for the assessment of the provenience of geological amber: the collection of the Earth Sciences Museum of Bari (Italy)

**Special Issue: "Art and Cultural Heritage" (SI ACH) of**

**Environmental Science and Pollution Research (ESPR), on-line (2016)**

**DOI 10/1007s11356-016-696-z**

**Brevetto Europeo n.2157211 (domanda n. 08425536.3 del 01.08.2008)**  
**“Bioactive metal nanomaterials stabilized by bioactive agents and preparation process (NANO-2) a nome UNIVERSITA’ DEGLI STUDI DI BARI**  
**Inventori: Nicola Cioffi, Nicoletta Ditaranto Luigia Sabbatini, Giuseppina Tantillo, Luisa Torsi, Pier Giorgio Zambonin**  
**(Ns. rif GG/jt 08545D53)**

**Cosima Damiana Calvano, Inez Dorothé van der Werf, Francesco Palmisano, Luigia Sabbatini**  
Revealing the composition of organic materials in polychrome works of art: the role of mass spectrometry-based techniques.  
**Anal Bioanal Chem, 408 (2016) 6957-6981**  
**DOI 10.1007/s00216-016-9862-8**

**Giulia Germinario, Inez Dorothé van der Werf, Gerardo Palazzo, Josè Luis Regidor Ros, Rosa Maria Montes Estelles, Luigia Sabbatini**  
Bioremoval of marker pen inks by exploiting lipase hydrolysis  
**Progress in Organic Coatings, 110 (2017) 162-171**

**Inez Dorothé van der Werf, Cosima Damiana Calvano, Giulia Germinario, Tommaso R.I. Cataldi, Luigia Sabbatini**  
Chemical characterisation of medieval illuminated parchment scrolls  
**Microchem. J., 134 (2017) 146-153**

**Giulia Germinario, Elena C.L. Rigante, Inez D. van der Werf, Luigia Sabbatini**  
Pyrolysis gas chromatography–mass spectrometry of triarylmethane dyes  
**Journal of Analytical and Applied Pyrolysis, 127 (2017) 229-239**  
**DOI: 10.1016/j.jaap.2017.08.001**

**S.Cometa, M.Bonifacio, F.Baruzzi, S. de Candia, M. Giangregorio, L. Giannossa, M.di Carlo, M. Mattioli Belmonte, L.Sabbatini, E. De Giglio**  
Silver-loaded chitosan coating as an integrated approach to face titanium implant-associated infections: analytical characterization and biological activity  
**Analytical and Bioanalytical Chemistry, 409 (2017) 7211–7221**  
**<https://doi.org/10.1007/s00216-017-0685-z> (2017)**

**Giulia Germinario, Silvia Garrappa, Valeria D'Ambrosio, Inez Dorothé van der Werf, Sabbatini, Luigia**  
Chemical composition of felt-tip pen inks  
**Analytical and Bioanalytical Chemistry, 410 (2018) 1079-1094**  
**DOI 10.1007/s00216-017-0687-x**

**Inez Dorothé van der Werf, Giulia Germinario, Pasquale Acquafredda, Luigia Sabbatini**  
Multi-technique characterisation of medieval mastic encrustation sculptures  
**Microchemical Journal, 138 (2018) 328-339**

**Costanza Miliani, Antonio Sgamellotti, Antonio Mirabile, Brenda Doherty, Giulia Germinario, Inez Dorothé van der Werf, Luigia Sabbatini, Patrizia Moretti**  
Disclosing the composition of early commercial felt-tip pens used in art by integrated vibrational spectroscopy and pyrolysis-gas chromatography/mass spectrometry  
**Journal of Cultural Heritage, 35 (2019) 242-253**  
**DOI: 10.1016/j.culher.2018.03.018**

**Stefania Cometa, Maria Addolorata Bonifacio, Monica Mattioli-Belmonte, Luigia Sabbatini and Elvira De Giglio**  
Electrochemical Strategies for Titanium Implant Polymeric Coatings: The Why and How  
**Coatings 268-9 (2019) 1-19**  
**doi:10.3390/coatings9040268**

**Maria Chiara Sportelli, Daniela Longano, Elisabetta Bonerba, Giuseppina Tantillo, Luisa Torsi, Luigia Sabbatini, Nicola Cioffi \*, Nicoletta Ditaranto \***  
Electrochemical preparation of synergistic nanoantimicrobials  
**Molecules, 25 (2019) 49-59**

M.A.Bonifacio, G.Cerqueni, S.Cometa, C.Licini, L.Sabbatini, M.Mattioli Belmonte, E.De Giglio  
Insights into Arbutin Effects on Bone Cells: Towards the Development of Antioxidant Titanium Implants  
**ANTIOXIDANTS, 9 (7) (2020) Article Number: 579**  
**DOI: 10.3390/antiox9070579**

**Margherita Izzi, Maria Chiara Sportelli\*, Nicoletta Ditaranto, Rosaria Anna Picca, Massimo Innocenti, Luigia Sabbatini, Nicola Cioffi**  
On the pros and cons of the sacrificial anode electrolysis for the preparation of transition metal colloids  
**ChemElectroChem, 7 (2020) 386-394**  
**DOI: 10.1002/celec.201901837**

**C.D. Calvano\*, E. Rigante, R. A. Picca, T.R.I. Cataldi, L. Sabbatini**  
An easily transferable protocol for in-situ *quasi*-non-invasive analysis of protein binders in works of art  
**Talanta 215 (2020) 120882 (1-10)**  
**Doi: 10.1016/j.talanta.2020.120882**

**C.D.Calvano\*, E.C.L. Rigante, T.Cataldi, L.Sabbatini**  
In Situ Hydrogel Extraction with Dual-Enzyme Digestion of Proteinaceous Binders: the Key for Reliable Mass Spectrometry Investigations of Artworks  
**Anal.Chem., 92 (15) (2020) 10257-10261**  
**DOI: 10.1021/acs.analchem.0c01898**

**G.Germinario, A. Mirabile, L.Sabbatini**  
Pyrolysis gas chromatography - mass spectrometry of pressure sensitive adhesive tapes  
**JOURNAL OF ANALYTICAL AND APPLIED PYROLYSIS, 151 Article Number: 104904**  
**DOI: 10.1016/j.jaap.2020.104904**  
**Published: OCT 2020**

**Elena C. L. Rigante, Cosima D. Calvano, Rosaria A. Picca, Simona Armenise, Tommaso R. I. Cataldi and Luigia Sabbatini.**

Multi-Technique Characterization of Pictorial Organic Binders on XV Century Polychrome Sculptures by Combining Micro- and Non-Invasive Sampling Approaches.

**Applied Sciences 2021, 11(17), 8017 (16pag);**

**doi:10.3390/app11178917**