

1. ELENCO PUBBLICAZIONI GIOVANNA IUCCI

1. "Pterostilbene fluorescent probes as potential tools for targeting neurodegeneration in biological applications" L. Ciccone, S. Nencetti, M. Marino, C. Battocchio, G. Iucci, I. Venditti, M. Marsotto, E. Montalesi, S. Socci, B. Bragana, E. Orlandini *Journal of enzyme inhibition and medicinal chemistry* 37 (2022) 1812 – 18201 DOI: 10.1080/14756366.2022.2091556
2. "Chitosan Functionalized with C12, C14 or C16 Tails for Blood-Contacting Medical Devices" M. Dettin, M. Roso, G. Messina, G. Iucci, V. Peluso, T. Russo, A. Zamuner, M. Santi, S. M. Manani, M. Zanella, C. Battocchio, G. Marletta *Electrospun Gels* 8 (2022) 113 DOI: 10.3390/gels8020113
3. "Cu(I) and Cu(II) Complexes Based on Lonidamine-Conjugated Ligands Designed to Promote Synergistic Antitumor Effects" F. Del Bello, M. Pellei, L. Bagnarelli, C. Santini, G. Giorgioni, A. Piergentili, W. Quaglia, C. Battocchio, G. Iucci, I. Schiesaro, C. Meneghini, I. Venditti, M. De Franco, C. Marzano, V. Gandin *Inorganic Chemistry*, 61 (2022) 4919-4937 DOI: 10.1021/acs.inorgchem.1c03658
4. "Hydrophilic Gold Nanoparticles as Anti-PD-L1 Antibody Carriers: Synthesis and Interface Properties" I. Venditti, A. Cartoni, S. Cerra, R. Fioravanti, T.A. Salamone, F. Sciubba, M.A. Tabocchini, V. Dini, C. Battocchio, G. Iucci, L. Carlini, R. Faccini, F. Collamati, C. Mancini Terracciano, E. Solfaroli Camillocci, S. Morganti, A. Giordano, T. Scotognella, D. Maccora, D. Rotili, C. Marchese, E. Anastasiadou, P. Trivedi, I. Fratoddi *Particle & Particle Systems Characterization* 39 (2022) 2100282
5. "Biocompatibility and antibacterial properties of TiCu(Ag) thin films produced by physical vapor deposition magnetron sputtering" S. Rashid, G.M. Vita, L. Persichetti, G. Iucci, C. Battocchio, R. Daniel, D. Visaggio, M. Marsotto, P. Visca, E. Bemporad, P. Ascenzi, G. Capellini, M. Sebastiani, A. di Masi *Applied Surface Science* 573 (2022) 151604 DOI: 10.1016/j.apsusc.2021.151604
6. "Biofunctionalization of bioactive ceramic scaffolds to increase the cell response for bone regeneration" A. Zamuner, P. Brun, R. Ciccimarra, F. Ravanetti, L. Veschini, H. Elsayed, S. Sivoletta, G. Iucci, A. Porzionato, L. Di Silvio, A. Cacchioli, E. Bernardo, M. Dettin *Biomedical Materials* 16 (2021) 0550077 DOI: 10.1088/1748-605X/ac1555
7. "Biocompatible Silver Nanoparticles: Study of the Chemical and Molecular Structure, and the Ability to Interact with Cadmium and Arsenic in Water and Biological Properties" F. Bertela, M. Marsotto, C. Meneghini, L. Burratti, V.A. Maraloiu, G. Iucci, I. Venditti, P. Proposito, V. D'Ezio, T. Persichini, C. Battocchio *Nanomaterials* 11 (2021) 2540 DOI: 10.3390/nano11102540
8. "Solar Cookers and Dryers: Environmental Sustainability and Nutraceutical Content in Food Processing" C. Battocchio, F. Bruni, G. Di Nicola, T. Gasperi, G. Iucci, D. Tofani, A. Varesano, I. Venditti *Foods* 10 (2021) 2326 DOI: 10.3390/foods10102326
9. "One-Pot Synthesis of Ni_{0.05}Ce_{0.95}O₂-delta Catalysts with Nanocubes and Nanorods Morphology for CO₂ Methanation Reaction and in Operando DRIFT Analysis of Intermediate Species" I. Luisetto, S. Stendardo, S.M. Senthil Kumar, K. Selvakumar, J.K. Kesavan, G. Iucci, U.P. Laverdura, S. Tuti *Nanomaterials* 11 (2021) 1899 DOI: 10.3390/pr9111899
10. "Chitosan Covalently Functionalized with Peptides Mapped on Vitronectin and BMP-2 for Bone Tissue Engineering" P. Brun, A. Zamuner, L. Cassari, G. D'Auria, L. Falcigno, S. Franchi, G. Contini, M. Marsotto, C. Battocchio, G. Iucci, M. Dettin *Nanomaterials* 11 (2021) 2784 DOI: 10.3390/nano11112784
11. "Bioactivated Oxidized Polyvinyl Alcohol towards Next-Generation Nerve Conduits Development" S. Stocco, S. Barbon, A. Lamanna, E. De Rose, A. Zamuner, D. Sandrin, M. Marsotto, A. Auditore, G.M.L. Messina, A. Licciardello, G. Iucci, V. Macchi, R. De Caro, M. Dettin, A. Porzionato *Polymers* 13 (2021) 3372 DOI: 10.3390/polym13193372
12. "Bio-Functionalized Chitosan for Bone Tissue Engineering" P. Brun, A. Zamuner, C. Battocchio, L. Cassari, M. Todesco, V. Graziani, G. Iucci, M. Marsotto, L. Tortora, V. Secchi, M. Dettin *International Journal of Molecular Sciences* 22 (2021) 5916 DOI: 10.3390/ijms22115916
13. "Silver Nanoparticles Functionalized by Fluorescein Isothiocyanate or Rhodamine B Isothiocyanate: Fluorescent and Plasmonic Materials" I. Fratoddi, C. Battocchio, G. Iucci, D. Catone, A. Cartoni, A. Paladini, P. O'Keefe, S. Nappini, S. Cerra, I. Venditti, *Applied Sciences – Basel* 11 (2021) 2472 DOI: 10.3390/app11062472
14. "A Simple Cerium Coating Strategy for Titanium Oxide Nanotubes' Bioactivity Enhancement" S. De Santis, G. Sotgiu, F. Porcelli, M. Marsotto, G. Iucci, M. Orsini *Nanomaterials* 11 (2021) 445 DOI: 10.3390/nano11020445
15. "Development of new and efficient copper(II) complexes of hexyl bis(pyrazolyl)acetate ligands as catalysts for allylic oxidation" S. Gabrielli, M. Pellei, I. Venditti, I. Fratoddi, C. Battocchio, G. Iucci, I. Schiesaro, C. Meneghini, A. Palmieri, E. Marcantoni, L. Bagnarelli, R. Vallesi, C. Santini *Dalton Transactions* 49 (2020) 15622-15632 DOI: 10.1039/d0dt02952a
16. "Hydrophilic Silver Nanoparticles for Hg(II) Detection in Water: Direct Evidence for Mercury-Silver Interaction" I. Schiesaro, L. Burratti, C. Meneghini, I. Fratoddi, P. Proposito, J. Lim, C. Scheu, I. Venditti, G. Iucci, C. Battocchio *Journal of Physical Chemistry C* 124 (2020) 25975-25983 DOI: 10.1021/acs.jpcc.0c06951
17. "Direct Conjugation of Resveratrol on Hydrophilic Gold Nanoparticles: Structural and Cytotoxic Studies for Biomedical Applications" I. Venditti, G. Iucci, I. Fratoddi, M. Cipolletti, E. Montalesi, M. Marino, V. Secchi, Valeria, C. Battocchio *Nanomaterials* 10 (2020) 1898 DOI: 10.3390/nano10101898

18. "Hydroxyapatite surfaces functionalized with a self-assembling peptide: XPS, RAIRS and NEXAFS study" V. Secchi, S. Franchi, M. Dettin, A. Zamuner, K. Beranová, A. Vladescu, C. Battocchio, V. Graziani, L. Tortora, G. Iucci *Nanomaterials* 10 (2020) 1551 DOI: 10.3390/nano10061151
19. "Cysteine-Modified Self-Assembling Peptides on Gold: the Role of Head and Tail" V. Secchi, G. Iucci, M. Dettin, A. Zamuner, S. De Rosa, L. Tortora, C. Battocchio *Langmuir* 35 (2019) 16593-16604 DOI: 10.1021/acs.langmuir.9b02503
20. "Fibrillar Self-Assembly of a Chimeric Elastin-Resilin Inspired Engineered Polypeptide" A. Bracalello, A. Pepe, C. Battocchio, B. Bochicchio, T. Persichini, G. Iucci, R. Mastrantonio *Nanomaterials* 9 (2019) 1613 DOI: 10.3390/nano9111613
21. "Bifunctionalized Silver Nanoparticles as Hg²⁺ Plasmonic Sensor in Water: Synthesis, Characterizations, and Ecosafety" P. Proposito, L. Burratti, A. Bellingeri, G. Protano, C. Faleri, I. Corsi, C. Battocchio, G. Iucci, L. Tortora, V. Secchi, S. Franchi, and I. Venditti *Nanomaterials* 9 (2019) 1353 doi:10.3390/nano9101353
22. "Chitosan functionalization of titanium and Ti6Al4V alloy with chloroacetic acid as linker agent" C. Battocchio, S. Concolato, M. Fahlman, G. Iucci, M. Santi, G. Sotgiu, M. Orsini *Materials Science and Engineering C* 99 (2019) 1133–1140 <https://doi.org/10.1016/j.msec.2019.02.052>
23. "Biofunctionalization of TiO₂ "Surfaces with Self-Assembling Layers of Oligopeptides Covalently Grafted to Chitosan" V. Secchi, S. Franchi, D. Ciccarelli, M. Dettin, A. Zamuner, G. Iucci, C. Battocchio *ACS Biomater. Sci. Eng.* 5 (2019) 2190–2199 DOI: 10.1021/acsbiomaterials.9b00430
24. "Gallium- and Iron-Pyoverdine coordination compounds investigated by SR-XPS and XAS" C. Nicolafrancesco, F. Porcaro, I. Pis, S. Nappini, L. Simonelli, C. Marini, E. Frangipani, D. Visaggio, P. Visca, S. Mobilio, C. Meneghini, I. Fratoddi, G. Iucci, C. Battocchio *Inorganic Chemistry* 58 (2019) 4935-4944 DOI: 10.1021/acs.inorgchem.8b03574
25. "Biofunctionalization of TiO₂ Surfaces with Self Assembling Oligopeptides in Different pH and Ionic Strength Conditions: Charge Effects and Molecular Organization" S. Franchi, V. Secchi, M. Santi, M. Dettin, A. Zamuner, C. Battocchio, G. Iucci, *Materials Science and Engineering C* 90 (2018) 651-656 DOI: 10.1016/j.msec.2018.05.006
26. "Plasmonic Sensor Based on Interaction between Silver Nanoparticles and Ni²⁺ or Co²⁺ in Water" F. Mochi; L. Burratti, L. I. Fratoddi, I. Venditti, C. Battocchio, L. Carlini, G. Iucci, M. Casalbani, F. de Matteis, S. Casciardi, S. Nappini, I. Pis, P. Proposito *Nanomaterials* 8 (2018) 488 DOI: 10.3390/nano8070488
27. "Maltose conjugation to PCL: Advanced structural characterization and preliminary biological properties" V. Secchi, R. Guizzardi, L. Russo, V. Pastori, M. Lecchi, S. Franchi, G. Iucci, C. Battocchio, L. Cipolla *Journal of molecular structure* 1159 (2018) 74-78 DOI:10.1060/j.mol.struc.2018.01.51
28. "Self-Assembling Behavior of Cysteine-Modified Oligopeptides: An XPS and NEXAFS Study" V. Secchi, S. Franchi, M. Santi, M. Dettin, A. Zamuner, G. Iucci, C. Battocchio *Journal of Physical Chemistry* 122 (2018) 6236-6239 DOI:10.1021/acs.jpcc.8b00794
29. "Biocompatible Materials Based on Self-Assembling Peptides on Ti25Nb10Zr Alloy: Molecular Structure and Organization" S. Franchi, V. Secchi, M. Santi, A. Vladescu, M. Braic, T. Skála, J. Lavkova, M. Dettin, A. Zamuner, G. Iucci, C. Battocchio *Nanomaterials* 8 (2018) 148 DOI:10.3390/nano8030148
30. "Nickel supported on YSZ: The effect of Ni particle size on the catalytic activity for CO₂ methanation" J. Kopula Kesavan, I. Luisetto, S. Tuti, C. Meneghini, G. Iucci, C. Battocchio, S. Mobilio, S. Casciardi, R. Sisto *Journal of CO₂ utilization* 23 (2018) 200-211 DOI:10.1016/j.cou.2017.11.015
31. "Ni-supported on YSZ: XAS and XPS characterization and catalytic activity for CO₂ methanation" J. Kopula Kesavan, I. Luisetto, S. Tuti, C. Meneghini, G. Iucci, C. Battocchio *Journal of Materials Science* D 52 (2017) 10331-10340 DOI: 10.1007/s10853-017-1179-2
32. "Nanofibers of Human Tropoelastin-inspired Peptides: Structural Characterization and Biological Properties" V. Secchi, S. Franchi, M. Fioramonti, G. Polzonetti, G. Iucci, B. Bochicchio, C. Battocchio, *Materials Science and Engineering C* 77 (2017) 927-934 DOI: 10.1016/j.msec.2017.04.019
33. "In vitro biocompatibility study of sub-5nm silica-coated magnetic iron oxide fluorescent nanoparticles for potential biomedical application" S. Foglia, M. Ledda, D. Fioretti, G. Iucci, M. Papi, G. Capellini, M. G. Lolli, S. Grimaldi, M. Rinaldi, A. Lisi *Scientific Reports* 7 (2017) 46513 DOI: 10.1038/srep46513
34. "Self-assembling peptide hydrogels immobilized on silicon surfaces" S. Franchi, C. Battocchio, M. Galluzzi, E. Navisse, A. Zamuner, M. Dettin, G. Iucci *Materials Science and Engineering C* 69 (2016) 201-207 DOI: 10.1016/j.msec.2016.06.060
35. "Facile and selective covalent grafting of an RGD-peptide to electrospun scaffolds improves HUVEC adhesion" M. Dettin, A. Zamuner, M. Roso, G. Iucci, V. Samouillan, R. Danesin, M. Modesti, M. T. Conconi *Journal of Peptide Science* 21 (2015) 786-795 DOI: 10.1002/psc.2808
36. "Electrospun Scaffolds for Regenerative Medicine: Peptide-Induced Concentration-Dependent Improvements of Poly-ε-caprolactone" M. Dettin, A. Zamuner, M. Roso, A. Gloria, G. Iucci, G. Messina, U. D'Amora, G. Marletta, M. Modesti, I. Castagliuolo, P. Brun, *PLOS-ONE* 10 (2015) Article Number: e0137505 DOI: 10.1371/journal.pone.0137505
37. "Driving h-osteoblast adhesion and proliferation on titania: Peptide hydrogels decorated with growth factors and adhesive conjugates" M. Dettin, Zamuner, P. Brun, I. Castagliuolo, G. Iucci, C. Battocchio, M. Messina, G. Marletta *Journal of Peptide Science* 20 (2014) 585-594 DOI: 10.1002/psc.2652
38. "Mechanisms underlying human osteoblasts attachment and spreading: from transient interactions to focal adhesions on vitronectin-grafted biomimetic surfaces" P. Brun, M. Scorzeto, S. Vassanelli, I. Castagliuolo, G. Palù, F. Ghezzi,

- G.Messina, G. Iucci, V. Battaglia, A. Bagno, G.Polzonetti, G.Marletta, M.Dettin *Acta Biomaterialia* 9 (2013) 6105-6115 DOI: 10.1016/j.actbio.2012.12.018
39. "Self-assembling peptide-enriched electrospun polycaprolactone scaffolds promote the h-osteoblast adhesion and modulate differentiation-associated gene expression" R. Danesin, P. Brun, M. Roso, F. Delaunay, V. Samouillan, K. Brunelli, G. Iucci, F. Ghezzi, M. Modesti, I. Castagliuolo, M. Dettin *Bone* 51 (2012) 851-859 DOI: 10.1016/j.bone.2012.08.119
 40. "Biomimetic Peptide-enriched Electrospun Polymers: a Photoelectron and Infrared Spectroscopy Study" G. Iucci, F. Ghezzi, R. Danesin, M. Modesti, M. Dettin *Journal of Applied Polymer Science* 122 (2011) 3574-82 doi: 10.1002/app.34768
 41. "An XPS study on the covalent immobilization of adhesion peptides on the glass surface" G. Iucci, C. Battocchio, M. Dettin, R. Gambaretto, and G. Polzonetti *Solid State Science* 12 (2010) 1861-1865 doi:10.1016/j.solidstatesciences.2010.01.021
 42. "Self-assembling behaviour of self-complementary oligopeptides on biocompatible substrates" Battocchio, G. Iucci, M. Dettin, V. Carravetta, S. Monti, G. Polzonetti *Materials Science and Engineering B* 169 (2010) 36-42 doi:10.1016/j.mseb.2009.12.051
 43. "Adhesion Peptide Immobilization on Electrospun Polymers: a Photoelectron Spectroscopy Study" G. Iucci, G. Polzonetti, F. Ghezzi, M. Modesti, M. Roso, M. Dettin *Book Series: AIP Conference Proceedings* 1255 (2010) 52 - 54 DOI: 10.1063/1.3455662
 44. "Assessment of novel chemical strategies for covalent attachment of adhesive peptides to rough titanium surfaces: XPS analysis and biological evaluation." M. Dettin, T. Herath, R. Gambaretto, G. Iucci, C. Battocchio, A. Bagno, F. Ghezzi, C. Di Bello, G. Polzonetti, L. Di Silvio *Journal of Biomedical Materials Research A* 91A (2009) 463-79 DOI: 10.1002/jbm.a.32222
 45. "Covalent surface modification of titanium oxide with different adhesive peptides: surface characterization and osteoblast-like cell adhesion" M. Dettin, A. Bagno, R. Gambaretto, G. Iucci, M. T. Conconi, N. Tuccitto, A. M. Menti, C. Grandi, C. Di Bello, A. Licciardello, G. Polzonetti *Journal of Biomedical Materials Research A* 90A (2009) 35-45 DOI: 10.1002/jbm.a.32064
 46. "Peptide/TiO₂ surface interaction: a theoretical study on the structure of adsorbed ala-glu and ala-lys" S. Monti, V. Carravetta, C. Battocchio, G. Iucci, G. Polzonetti *Langmuir* 24 (2008) 3205-14
 47. "Self-assembling peptides: a combined XPS and NEXAFS investigation on the structure of two dipeptides: Ala-Glu, Ala-Lys" G. Polzonetti, C. Battocchio, M. Dettin, R. Gambaretto, C. Di Bello, V. Carravetta, S. Monti, G. Iucci *Materials Science and Engineering C* 28 (2008) 309-315
 48. "A NEXAFS and XPS study of the adsorption of self-assembling peptides on TiO₂: the influence of the side chains." G. Iucci, C. Battocchio, M. Dettin, R. Gambaretto, G. Polzonetti *Surface and Interface Analysis* 39 (2008) 1-5
 49. "XPS investigation on the structure of two dipeptides studied as models of self-assembling oligo peptides: comparison between experiments and theory" C. Battocchio, G. Iucci, M. Dettin, S. Monti, V. Carravetta and G. Polzonetti *Journal of Physics: Conference Series* 100 (2008) 052-079
 50. "Peptides adsorption on TiO₂ and Au: molecular organization investigated by NEXAFS, XPS and IR" G. Iucci, C. Battocchio, M. Dettin., R. Gambaretto, C. Di Bello, F. Borgatti, V. Carravetta, S. Monti, G. Polzonetti. *Surface Science* 601 (2007) 3843-3849
 51. "Novel immobilizations of an adhesion peptide on the TiO₂ surface: a XPS investigation" G. Iucci, G. Polzonetti, C. Battocchio, R. Gambaretto, C. Di Bello, M. Dettin. *Materials Science and Engineering C* 27 (2007) 1201-1206
 52. C. Battocchio, I. Fratoddi, M.V. Russo, V. Carravetta, S. Monti, G. Iucci, F. Borgatti, G. Polzonetti. "Binuclear transition-metal complexed on gold: molecular orientation by angular dependent NEXAFS spectroscopy" *Surface Science* 601 (2007) 3943-3947
 53. "Dinuclear Pt and Pd complexes with metalloporphyrin bridges: A NEXAFS study of the electronic structure and self-assembling properties" C. Battocchio, I. Fratoddi, G. Iucci, M.V. Russo, A. Goldoni, Ph. Parent and G. Polzonetti *Materials Science and Engineering C* 27 (2007) 1338-1342
 54. "Amorphous nonstoichiometric Ge_{1-x}C_x:H compounds obtained by radiolysis-chemical vapor deposition of germane/ethyne or germane/allene systems: A bonding and microstructure investigation performed by xray photoelectron spectroscopy and Raman spectroscopy" P. Benzi, E. Bottizzo, C. Demaria, G. Polzonetti, G. Infante, G. Iucci *Journal of Applied Physics* 101 (2007) 124906
 55. "The interaction of the polyphenylacetylene surface with biological environments studied by XPS, RAIRS and biological tests" G. Iucci, L. Rossi, N. Rosato, I. Savini, G. Duranti, G. Polzonetti *J. Mater. Sci.: Mater. Med.* 17 (2006) 779-787
 56. "Thin films of a self-assembling peptide on TiO₂ and Au studied by NEXAFS, XPS and IR spectroscopies" G. Polzonetti, C. Battocchio, G. Iucci, M. Dettin, R. Gambaretto, C. Di Bello, V. Carravetta. *Materials Science and Engineering C* 26 (2006) 929-934
 57. "Phenylacetylene adsorption on the surface of Rh(100) single crystal: a photoemission and photoabsorption investigation." G. Iucci, V. Carravetta, G. Paolucci, A. Goldoni, M.V. Russo, G. Polzonetti, *Chem. Phys.* 310 (2005) 43-49
 58. "XPS and FT-IR spectroscopy study of albumin adsorption on the surface of a π -conjugated polymer film" G. Iucci, G. Polzonetti, G. Infante, L. Rossi, *Surf. Interf. Anal.* 36 (2004) 724-728

59. "XPS, NEXAFS and theoretical study of phenylacetylene adsorbed on Cu (100)" G. Iucci, V. Carravetta, P. Altamura, M. V. Russo, G. Paolucci, A. Goldoni, G. Polzonetti Chem. Phys. 302 (2004) 43-52
60. "Albumin-containing sol-gel glasses: chemical and biological study" G. Iucci, G. Infante, L. Rossi, N. Rosato, L. Avigliano, I. Savini, M.V. Catani, A.C. Palacios, G. Polzonetti J. Mater. Sci.: Mater. Med. 15 (2004) 1-6
61. "Electronic structure of platinum complex/Zn-porphyrinato assembled macrosystems and related precursors and model molecules, as probed by X-ray absorption spectroscopy NEXAFS: theory and experiment" G. Polzonetti, V. Carravetta, G. Iucci, A. Ferri, G. Paolucci, A. Goldoni, P. Parent, C. Laffon, and M.V. Russo 296 Chem. Phys. (2004) 87-100
62. "Thiophene-containing organometallic polymers studied by near-edge X-ray absorption spectroscopy" Surface G. Polzonetti, G. Iucci, P. Altamura, A. Ferri, G. Paolucci, A. Goldoni, P. Parent, C. Laffon, and M.V. Russo and Interface Analysis 34 (2002) 588-92
63. "The reaction between Pt- and Pd- cis Di-chloro complexes and 4,4'-diethynylbiphenyl: synthesis and characterization of a "zig-zag" metal/poly-yne polymer" G. Iucci, G. Infante and G. Polzonetti Polymer 43 (2002) 655-663
64. "Synchrotron Radiation photoemission study of some π -conjugated alkynes in the gas phase: experiment and theory" V. Carravetta, G. Iucci, A. Ferri, M. V. Russo, S. Stranges, M. de Simone, and G. Polzonetti Chemical Physics 264 (2001) 175-186
65. "Surface reactions of a plasma-sprayed CaO-P₂O₅-SiO₂-based glass with albumin, fibroblasts and granulocytes studied by XPS, fluorescence and chemiluminescence G. Polzonetti, G. Iucci, A. Frontini, G. Infante, C. Furlani, L. Avigliano, D. Del Principe, G. Palumbo, N. Rosato " Biomaterials 21 (2000) 1531-39
66. "Surface modifications of plasma-sprayed bioglasses upon interaction with phosphate buffer and albumin solutions: a photoelectron spectroscopy study" G. Iucci, A. Frontini, G. Infante, C. Furlani, L. Avigliano, N. Rosato, D. Del Principe, G. Palumbo, G. Polzonetti Surface and Interface Analysis 30 (2000) 40-44
67. "NEXAFS spectroscopy investigation on the electronic structure of newly synthesized Pt(II) / Zn-porphyrin assemblies" A. Ferri, G. Polzonetti, G. Iucci, G. Paolucci, A. Goldoni, P. Parent, C. Laffon, G. Contini, V. Carravetta, Surface and Interface Analysis 30 (2000) 407-9
68. "X-ray photoelectron spectroscopy studies of novel π -conjugated ethynyl thiophene containing Pd(II) complexes and of their interaction with chromium" G. Iucci, G. Polzonetti, P. Altamura, G. Paolucci, A. Goldoni and M. V. Russo Journal of Vacuum Science and Technology A 18 (2000) 248-256
69. "Reactivity of the nitro-group of a π -conjugated polymer upon the interface formation with chromium: a photoelectron spectroscopy investigation" G. Iucci, G. Polzonetti, P. Altamura, M. V. Russo, G. Paolucci, A. Goldoni, R. D'Amato Applied Surface Science 153 (1999) 10- 18
70. "Platinum complex/Zn-porphyrin macrosystem assemblies: electronic structure and conformational investigation by XPS" G. Polzonetti, A. Ferri, M. V. Russo, G. Iucci, S. Licocchia, R. Paolesse, Journal of Vacuum Science and Technology A 17 (1999) 832-838
71. "Further insight in chromium growth on the surface of an organometallic polymer" G. Polzonetti, G. Iucci, M. V. Russo, A. Furlani, G. Paolucci, D. Cocco, G. Capellini Chemical Physics Letters, 292 (1998) 515-523
72. "High resolution NEXAFS spectroscopy study of gas-phase phenylacetylene: experiment and theory" V. Carravetta, G. Polzonetti, G. Iucci, M. V. Russo, G. Paolucci, M. Barnaba Chemical Physics Letters, 288 (1998) 37-46
73. "A photoelectron spectroscopy study of the interface formation between chromium and a palladium-intercalated polymer film" G. Polzonetti, G. Iucci, C. Furlani, M. V. Russo, A. Furlani, G. Infante, G. Paolucci, B. Brena, D. Cocco, Chemical Physics Letters, 267 (1997) 384-390
74. "A photoelectron spectroscopic study of the interface formation between chromium and a palladium-intercalated polymer film" G. Polzonetti, G. Iucci, M.V. Russo, G. Infante, G. Paolucci, D. Cocco, B. Brena Surf. Interf. Anal., Proceedings of the ECASIA 97 conference, I. Olefjord, L. Nyborg and D. Briggs eds. (1997) 125-128
75. "Evidence for different equilibrium regimes in poly(phenylacetylene)-iodine solutions by means of low frequency electrical conductivity measurements" C. Cametti, A. Furlani, G. Iucci and M.V. Russo, Synthetic Metals 83 (1996) 77-80
76. "Investigation on the response of an interdigitated electrode structure coated with iodine doped polyphenylacetylene" A. Bearzotti, V. Foglietti, G. Polzonetti, G. Iucci, A. Furlani, M. V. Russo, Materials Science and Engineering 340 (1996) 1-4
77. "The electronic structure of neutral and alkali-doped poly[3(4octylphenyl)thiophene studied by photoelectron spectroscopy" K. Xing, M. Fahlman, M. Lögdlund, M. Berggren, O. Ingånäs, M. R. Andersson, M. Boman, S. Stafström, G. Iucci, P. Bröms, N. Johanson, W.R. Salaneck, Synthetic Metals 80 (1996) 59-66
78. "The interaction of rubidium atoms with a model molecule for polyacetylene: a photoelectron spectroscopy investigation" G. Iucci, M. Lögdlund, C.W. Spangler, W.R. Salaneck, Synthetic Metals 76 (1996) 209-212
79. "The electronic and geometric structures of neutral and alkali-doped poly[3(4octylphenyl)thiophene studied by photoelectron spectroscopy" K. Xing, M. Fahlman, M. Berggren, O. Ingånäs, M. R. Andersson, M. Boman, S. Stafström, G. Iucci, P. Bröms, N. Johanson, M. Lögdlund, W.R. Salaneck, Synthetic Metals 76 (1996) 263-267
80. "Poly(N,N-dimethylpropargylamine): a π -conjugated polymer as macromolecular ligand" M. V. Russo, G. Iucci, A. Furlani, G. Polzonetti, Polymer 36 (1995) 4867-75
81. "Polaron to bipolaron transition in a conjugated polymer. Rubidium-doped poly(*para*-phenylenevinylene)" G. Iucci, M. Lögdlund, K. Xing, M. Fahlman, W.R. Salaneck, Chemical Physics Letters 244 (1995) 139-44

82. "Mossbauer, FIR, and XPS investigations on the chemical interaction of polyconjugated monosubstituted acetylenes with SnCl₂ and SnCl₄" G. Alonzo, N. Bertazzi, J.R. Ferraro, A. Furlani, G. Iucci, G. Polzonetti, M.V. Russo, *Appl. Spectroscopy* 49 (1995) 237-40
83. "Low-frequency electrical conductivity of poly(phenylacetylene)/iodine in tetrahydrofuran solution: effects of iodine concentration" C. Cametti, A. Furlani, G. Iucci and M.V. Russo, *Synthetic Metals* 68 (1995) 259-62
84. "Chemical and electronic structure of conjugated polymer/metal interfaces relevant in LED devices," M. Fahlman, G. Iucci, W. R. Salaneck, and J. L. Brédas, *SPIE Proceedings Series*, vol. 2527 (1995)190 - 199
85. "Chemical and electronic structure of interfaces with conjugated polymers: Systems of interest in molecular electronics applications," G. Iucci, K. Xing, M. Lögdlund, C. W. Spangler, A. B. Holmes, and W. R. Salaneck, in *Polymers and Other Advanced Materials: Emerging Technologies and Business Opportunities*, P. N. Prasad, J. E. Mark, and T. J. Fai, Eds. New York: Plenum Press, 1995.
86. "Temperature dependence of low frequency conductivity of the poly(phenylacetylene)/iodine charge transfer complex in solution" C. Cametti, A. Furlani, G. Iucci, M. V. Russo, *Synthetic Metals* 63, (1994) 23-4
87. "A new surface acoustic wave humidity sensor based on a polyethynylfluorene membrane" C. Caliendo, E. Verona, A. Furlani, G. Iucci, M.V. Russo, *Sensors and Actuators B* 18-19, (1994) 82-4
88. "Chemical interaction at the Cu/ PPA interface: an X-ray photoemission investigation" G. Polzonetti, M.V. Russo, G. Iucci, A. Furlani, *Appl. Surf. Science*, 72 (1993) 227
89. "Surface acoustic wave humidity sensor" C. Caliendo, E. Verona, A. Furlani, G. Iucci, M.V. Russo, *Sensors and Actuators B* 15-16, (1993) 288-92
90. "Cu/Polyphenylacetylene interface investigated by means of XPS" G. Polzonetti, M.V. Russo, G. Iucci, A. Furlani, *Synthetic Metals* 55/ 1, (1993) 165
91. "Morphological studies of poly(phenylacetylene) films, prepared with Rh(I) catalysts, from scanning microscopy investigations" M. V. Russo, G. Iucci, D. Ferro, *Polymer* 34 (1993) 257
92. "Synthesis of polyphenylacetylene free-standing films in the presence of rhodium-imidazole catalysts" M. V. Russo, G. Iucci, A. Furlani, A. Camus, N. Marsich, *Applied Organometallic Chemistry*, 5, (1992) 517
93. "Conductometric and high-frequency dielectric properties of the poly(phenylacetylene)/iodine system in tetrahydrofuran solution" C. Cametti, A. Furlani, G. Iucci, M. V. Russo, *Synthetic Metals* 51, (1992) 45
94. "Iodine-doped polyphenylacetylene thin films as humidity sensor" A. Furlani, G. Iucci, M. V. Russo, A. Bearzotti, A. D'Amico *Sensors and Actuators B* 8, (1992) 123
95. "Thin films of iodine-polyphenylacetylene as starting material for humidity sensors" A. Furlani, G. Iucci, M. V. Russo, A. Bearzotti, A. D'Amico, *Sensors and Actuators B* 7, (1992) 447
96. "Fast humidity response of a metal halide-doped novel polymer A. Bearzotti, A. D'Amico, A. Furlani, G. Iucci, M. V. Russo," *Sensors and Actuators B* 7, (1992) 451
97. "Organic conducting polymers: synthesis, characterization and conductivity of polyethynylfluorene" M. V. Russo, G. Iucci, G. Polzonetti, A. Furlani, *Polymer*, 33 (1992)
98. "Interaction of H₂O, O₂ and CO₂ with the surface of polyphenylacetylene films: an XPS investigation" G. Polzonetti, M.V. Russo, A. Furlani, G. Iucci, *Chem. Phys. Letters*. 185, (1991) 105