

**Elenco pubblicazioni
Centro Grandi Strumenti
anno 2005**

Tonini M., Vicini R., Cervio E., De Ponti F., De Giorgio R., Barbara G., Stanghellini V., Dellabianca A., Sternini C. "Expression and role of 5-HT7 receptors in modulating peristalsis and accommodation in the guinea pig ileum", *Gastroenterology*, **129 (5), 1557-66, (2005)**.

Fraschini A., Bottone M.G., Scovassi A.I., Denegri M., Risueño M.C., Testillano P. S., Martin T. E., Biggiogera M., Pellicciari C. "Changes in extranucleolar transcription during actinomycin D-induced apoptosis" *Histol. Histopathol.*, **20, 107-117, (2005)**.

Malatesta M., Tiberi C., Baldelli B., Battistelli S., Manuali E., Biggiogera B. "Reversibility of hepatocyte nuclear modifications in mice fed on genetically modified soybean", *Eur. J. Histochem.*, **49, 237-242, (2005)**.

Pellicciari C., Bottone M.G., Soldani C., Vecchio L., Biggiogera M.; "Extrusion of nuclear protein during apoptosis, In: *Apoptosis (Scovassi A.I., Ed.), Research Signpost, Kerala, India. pp. 131-144, (2005)*.

Malatesta M., Baldelli B., Battistelli S., Tiberi C., Vecchio L., Cisterna B., Biggiogera M.; "Ultrastructural analyses on tissues from mice fed on genetically modified soybean". *Eur. J. Histochem.*, **49/suppl 1: 10, (2005)**.

Vitolo B., Lidonnici M.R., Montecucco C., Montecucco A.; "A new monoclonal antibody against DNA ligase I is a suitable marker of cell proliferation in cultured cell and tissue section samples" *Eur. J. Histochem.*, **49, 349-354, (2005)**

Pecci A., Canobbio I., Balduini A., et al. "Pathogenetic mechanisms of hematological abnormalities of patients with MYH9 mutations" *Hum. Mol. Genet.*, **14, 3169-78, 2005**.

Amendola V., Boiocchi M., Fabbrizzi L., Palchetti A. "Anion Receptors Containing –NH Binding Sites: Hydrogen-bonding Formation or Neat Proton Transfer?" *Chem. Eur. J.*, **11, 120-127, (2005)**.

Boiocchi M., Del Boca L., Esteban Gómez D., Fabbrizzi L., Licchelli M., Monzani E. "Anion Induced Urea Deprotonation" *Chem. Eur. J.*, **11, 3097-3104, (2005)**.

Amendola V., Boiocchi M., Fabbrizzi L., Palchetti A. "What Anions Do Inside Receptor's Cavity. A Trifurcate Receptor Providing Both Electrostatic and Hydrogen Bonding Interactions" *Chem. Eur. J.*, **11, 5648-5660, (2005)**.

Desimoni G., Faita G., Mella M., Boiocchi M. "In Search of exo-Selective Catalysts for Enantioselective 1,3-Dipolar Cycloaddition between Acryloyloxazolidinone and Diphenylnitrene" *Eur. J. Org. Chem.*, **6, 1020-1027, (2005)**.

Boiocchi M., Fabbrizzi L., Foti F., Monzani E., Poggi A.; "Dramatically enhanced carbon acidity of the nitrobenzyl fragment in a nickel(II) scorpionate complex" *Org. Lett.*, **7, 3417-3420, (2005)**.

Amendola V., Boiocchi M., Esteban Gomez D., Fabbrizzi L., Monzani E. "Chiral receptors for phosphate ions;" *Org. Biomol. Chem.*, **3, 2632-2639, (2005)**.

Boiocchi M., Fabbrizzi F., Foti F., Poggi A. "Anion binding by a copper(II) complex of a reinforced open-chain tetramine" *Comptes Rendus Chimie*, **8, 1519-1526, (2005)**.

Oberti R., Quartieri S., Dalconi M.C., Boscherini F., Iezzi G., Boiocchi M. "Distinct local environments for Ca along the non-ideal pyrope-grossular solid-solution: a new model based on crystallographic and EXAFS analysis" *Chem. Geol.*, **225**, 347-359, (2005).

Caucia F., Boiocchi M.; Corindone: "I cromofori nei cristalli policromi di Amboarohy, Ihosy, Madagascar. Risultati degli studi microanalitici" *Rivista Mineralogica Italiana*, **2**, 126-129, (2005).

Bovio B., Caramella P., Quadrelli P. "Crystal structure and DFT calculations of 3,8-diphenyl-3a,4,5,5a,8a,8b-hexahydro-benzo [1,2-d: 3,4-d₀]dioxazole, C₂₀H₁₈N₂O₂" *J. Mol. Struct.*, **743**, 135-143, (2005).

Bovio B., Quadrelli P.; "Crystal structure of 4-(6-chloro-purin-9-yl)-3-phenyl-4,5,6,6a-tetrahydro-3aH-cyclopenta[d]isoxazol-6-ol, C₁₇H₁₄N₅O₂Cl" *J. Chem. Crystall.*, **35**, 701-707, (2005).

Bovio B., Freccero M., Sarzi-Amadé M. "Crystal structures of 2,4,9-trimethyl-(3ar,4c,9c,9ac)-3a,4,9,9a-tetrahydro-benzo[f] isoindole-1,3-dione(endo), C₁₅H₁₇N₂O₂(1), and 2-methyl-(3ac,9ac)-3a,4,9,9a-tetrahydro-4r,9c-ethano-benzo[f]isoindole-1,3-dione(endo), C₁₅H₁₅N₂O₂(2)" *J. Chem. Crystall.*, **35**, 641-646, (2005).

Kostakis G.E., Casella L., Hadjiliadis N., Monzani E., Kourkoumelis N., Plakatouras J.C." Interpenetrated networks from a novel nanometer-sized pseudopeptidic ligand, bridging water, and transition metal ions with cds topology" *Chem. Comm.*, **30**, 3859-3861, (2005).

Mustarelli P., Linati L., Tartara V., Tomasi C., Magistris A." Structure/transport relationships in silver-based oxide glasses: 1-D and 2-D NMR information" *Solid State Nuclear Magnetic Resonance* **27 (1-2)**, 112-121, (2005).

Linati L., Lusvardi G., Malavasi G., Menabue L., Menziani M.C., Mustarelli P., Segre U. "Qualitative and Quantitative Structure-Property Relationships (QSPR) analysis of multicomponent potential bioglasses" *Journal of Physical Chemistry B*, **109**, 4989-4998, (2005).

Amantea R., Ghigna P., Mustarelli P., Tartara V. "Synthesis, 89Y and 51V-NMR of Er-doped Zircon-type YVO₄ and LuVO₄" *J. Solid State Chem.*, **178**, 1692-1696, (2005).

Massarotti V., Capsoni D., Bini M., Mustarelli P., Chiodelli G., Azzoni C.B., Galinetto P., Mozzati M.C. "Transport and Structural Properties of Pure and Cr Doped Li₃VO₄" *Journal of Physical Chemistry B*, **109**, 14845-14851, (2005).

Mustarelli P., Tomasi C., Magistris A." A new model for ions transport in AgI-based glasses" *J. Phys. Chem. B*, **109**, 17417-17421, (2005).

Belotti F., Fratoddi I., La Groia A., Martra G., Mustarelli P., Panziera N., Pertici P., Russo M.V. "Metal Vapour Synthesis derived Palladium Nanoparticles deposited on Organometallic Polymers: Preparation and Structural Study" *Nanotechnology*, **16**, 2575-258, (2005) 1.

Bellani V, Giulotto E, Linati L, Sacchi D "Origin of the blue fluorescence in Dominican amber" *JOURNAL OF APPLIED PHYSICS* **97 (1): Art. No. 016101 JAN 1 2005**

Collina S, Rossi D, Loddo G, Linati L. et al. "Chiral arylpyrrolidinols: preparation and biological profile" *BIOORGANIC & MEDICINAL CHEMISTRY* **13 (9): 3117-3126 MAY 2 2005**

Calleri E., Temporini C., Perani E., De Palma A., Lubda D., Mellerio G., Sala A., Galliano M., Caccialanza G., Massolini G.; Trypsin-Based Monolithic Bioreactor Coupled On-Line with LC/MS/MS System for Protein

Digestion and Variant Identification in Standard Solutions and Biological Samples; *Journal of Proteome Research*, **4 (2)**, 481-490, (2005).

Nicolis S., Pennati A., Perani E., Monzani E., Sanangelantoni AM., Casella L.; "Easy Oxidation and Nitration of Human Myoglobin by Nitrite and Hydrogen Peroxide" *Chemistry - A European Journal*, **12 (3)**, 644 – 652, (2005).

Francesco G., Corana F., Meneghetti O., Marazza F.; LC–MS characterization of trace impurities contained in calcium folinate; *Journal of Pharmaceutical and Biomedical Analysis*, **39 (3-4)**, 757-763, (2005).

Marsili R., Martello S., Felli M., Fiorina S., Chiarotti M. " Hair testing for Δ^9 -THC-COOH by gas chromatography/tandem mass spectrometry in negative chemical ionization mode" *Rapid Communications in Mass Spectrometry*, **19 (11)**, 1566 – 1568, (2005).

Bellani V., Stella A., Chen C., Wang X. "Optical properties of Cd_{1-x}MnxTe/Cd_{1-y}MnyTe superlattices with high difference of Mn concentration between wells and barriers;" *J. Appl. Phys.*, **97**, 083526, (2005).

Badalyan A.G., Trepakov V.A., Azzoni C.B., Galinetto P., Mozzati M.C., Jastrabik L., Rosa J., Hrabovsky M.; "Thermal Treatment and Light Illumination Effects in EPR Spectra of KTaO₃: Cu" *Ferroelectrics*, **320**, 79-82 (547-550) (2005).

Massarotti V., Capsoni D., Bini M., Mustarelli P., Chiodelli G., Azzoni C.B., Galinetto P., Mozzati M.C.; "Transport and structural properties of pure and Cr doped Li₃VO₄" *J. Phys. Chem. B*, **109**, 14845-14851 (2005).

Mozzati M.C., Rossella F., Galinetto P., Bermudez V., Azzoni C.B., Samoggia G." Characterization of structural and photoinduced defects in pure and doped lithium niobate" *Phys. Stat. Sol. c*, **2**, p159-162 (2005).

Galinetto P., Ballarini D., Grando D., Samoggia G.; "Microstructural modification of LiNbO₃ crystals induced by femtosecond laser irradiation" *Applied Surface Science*, **291-294 Jul. 30** (2005)

Chiarelli L.R., Bianchi P., Fermo E., Galizzi A., Iadarola P., Mattevi A., Zanella A., Valentini G." Functional Analysis of Pyrimidine 5'-Nucleotidase Mutants Causing Nonspherocytic Hemolytic Anemia" *Blood*, **105**, 3340-3345 (2005).

Abrusci P, Chiarelli L.R., Fermo E, Galizzi A., Zanella A., Valentini G. " Erythrocyte Adenylate Kinase Deficiency: First In-Depth Biochemical Characterization of the Y164C Mutant Enzyme Causino Hemolytic Anemia" *Blood (ASH Annual Meeting Abstracts)*, **106**, 3602 (2005).

Roncone R., Monzani E., Labò S., Sanangelantoni A.M., Casella L.; "Catalytic Activity, Stability, Unfolding, and Degradation Pathways of Engineered and Reconstituted Myoglobins" *J. Biol. Inorg. Chem.*, **10**, 11-24 (2005).

Bellani V., Giolotto E., Linati L., Sacchi D. "The origin of the blue fluorescence in Dominican amber" *J. Appl. Phys.*, **97**, 016101 (2005).

Chiarelli L.R., Bianchi P, Fermo E., Galizzi A., Iadarola P., Mattevi A., Zanella A., Valentini G." Functional analysis of pyrimidine 5'-nucleotidase mutants causing nonspherocytic hemolytic anemia" *Blood*, **105(8)**, 3340-5 (15 Apr 2005).

Aquilani R., Opasich C., Dossena M., Iadarola P., Gualco A., Arcidiaco P., Viglio S., Boschi F., Verri M., Pasini E. "Increased skeletal muscle amino acid release with light exercise in deconditioned patients with heart failure" *J. Am. Coll. Cardiol.*, **45(1)**, 158-60 (4 Jan 2005).

Aquilani R., Iadarola P., Contardi A., Boselli M., Verri M., Pastoris O., Boschi F., Arcidiaco P., Viglio S.; "Branched-chain amino acids enhance the cognitive recovery of patients with severe traumatic brain injury" *Arch. Phys Med. Rehabil.*, **86(9)**, 1729-35 (Sep 2005).

Stoppini M., Mangione P., Monti M., Giorgetti S., Marchese L., Arcidiaco P., Verga L., Segagni S., Pucci P., Merlini G., Bellotti V. "Proteomics of beta2-microglobulin amyloid fibrils" *Biochim. Biophys. Acta*, **1753(1)**, 23-33 (10 Nov 2005).