

**Elenco pubblicazioni
Centro Grandi Strumenti
anno 2004**

Baldelli B., Vecchio L., Biggiogera M., Vittoria E., Muzzonigro G., Gazzanelli G., Malatesta M., Ultrastructural and immunocytochemical analyses of opioid treatment effects on PC3 prostatic cancer cells" **Microsc. Res. Techn., 64, 243(2004).**

Biggiogera M., Bottone Mg, Scovassi AI, Soldani C., Vecchio L., Pellicciari C.: "Rearrangement of nuclear ribonucleoprotein (RNP)-containing structures during apoptosis and transcriptional arrest." **Biol. Cell., 96, 603-615, (2004).**

Bottiroli G., Croce A.C., Bottone M.G., Vaccino S., Pellicciari C.: "G0-G1 cell cycle phase transition as revealed by fluorescence resonance energy transfer: analysis of human fibroblasts chromatin." **Eur. J. Histochem., 48, 37-48, (2004).**

Feroli M.E, Bottone M.G., Soldani C., Pellicciari C. "Administration of the antitumor drug mitoguazone protects normal thymocytes against spontaneous and etoposide-induced apoptosis." **Cell Mol. Life Sci., 61, 2767-2773, (2004).**

Krajci D., Mares V., Lisa V., Pellicciari C. "Morphology of reactive astrocytes in culture." **Physiol Re., 53 (4), 17P, (2004).**

Balduini CL, Pecci A, Loffredo G, Izzo P, Noris P, Grosso M, Bergamaschi G, Rosti V, Magrini U, Ceresa IF, Conti V, Poggi V, Savoia A. "Effects of the R216Q mutation of GATA-1 on human erythropoiesis and megakaryocytopoiesis" **THROMBOSIS AND HAEMOSTASIS 91 (1): 129-140 JAN 2004**

Barosi G, Rosti V, Ramaioli I, Marchetti M, Pecci A, Viarengo G, Massa M, Necchi V, Forni E, Magrini U. "Spleen Angiogenesis In Patients With Myelofibrosis With Myeloid Metaplasia." **BRITISH JOURNAL OF HAEMATOLOGY 126 (2): 284-284 JUL 2004**

Santoro B., Bigini, P., Levandis, G., Nobile, V., Biggiogera, M., Botti, F., Mennini, T. Curti, D., "Evidence for chronic mitochondrial impairment in the cervical spinal cord of a murine model of motor neuron disease." **Neurobiol. Dis., 17, 349-357, (2004).**

Lidonnici MR, Rossi R, Paixao S, Mendoza-Maldonado R, Paolinelli R, Arcangeli C, Giacca M, Biamonti G, Montecucco A., "Subnuclear distribution of the largest subunit of the human origin recognition complex during the cell cycle", **Journal of Cell Science 117, 5221-5231, (2004).**

Cazzalini O., Perucca P., Valsecchi F., Stivala LA, Bianchi L., Vannini V., Prosperi E., "Intracellular localization of the cyclin-dependent kinase inhibitor p211DKN1A-GFP fusion protein during cell cycle arrest" **Histochem. Cell Biol., 121(5), 377-81, (2004).**

Boiocchi M., Bonizzoni M., Fabbrizzi L., Foti F., Licchelli M., Poggi A., Taglietti A., Zema M., "Does a Reinforced Kinetic Macrocyclic Effect Exist? The Demetallation in Strong Acid of Copper(II) Complexes with Open and Cyclic Tetramines Containing a Piperazine Fragment", **Chem. Eur. J., 10, 3209-3216, (2004).**

Boiocchi M., Bonizzoni M., Fabbrizzi L., Foti F., Licchelli M., Taglietti A., Zema M., "The influence of the boat-to-chair conversion in the demetallation of the nickel(II) complex of an open-chain tetramine containing a piperazine fragment", **Dalton Trans., 653-658, (2004).**

Boiocchi M., Bonizzoni M., Fabbrizzi F., Piovani G., Taglietti A., "A Dimetallic Cage with a Long Ellipsoidal Cavity for the Fluorescent Detection of Dicarboxylate Anions in Water", *Angew. Chem. Int. Ed.*, **43**, 3847 – 3852, (2004).

Boiocchi M., Fabbrizzi L., Foti F., Vázquez M., "Further insights on the high-low spin interconversion in nickel(II) tetramine complexes. Solvent and temperature effects", *Dalton Trans.*, 2616-2620, (2004).

Boiocchi M., Callegari A., Ottolini L., Maras A., "The chemistry and crystal structure of okanoganite-(Y) and comparison with vicanite-(Ce)", *Am. Mineral.*, **89**, 1540-1545, (2004).

Boiocchi M., Del Boca L., Esteban Gómez D., Fabbrizzi L., Licchelli M., Monzani E., "Nature of Urea-Fluoride Interaction: Incipient and Definitive Proton Transfer", *J. Am. Chem. Soc.*, *Early View online*, (2004).

Desimoni G., Faita G., Mella M., Boiocchi M., "The search of exo-selective catalysts for the enantioselective 1,3-dipolar cycloaddition between acryloyl oxazolidinone and diphenyl nitrene", *Eur. J. Org. Chem.*, *submitted*, (2004).

Nicolis S., Monzani E., Roncone R., Gianelli L., Casella L., "Metmyoglobin-Catalyzed Exogenous and Endogenous Tyrosine Nitration by Nitrite and Hydrogen Peroxide", *Chemistry - A European Journal*, **10**, 2281-2290, (2004).

Annovazzi L., Viglio S., Perani E., Baraniuk J., Casado B., Cetta G., Luisetti M., Iadarola P.; "Capillary electrophoresis with laser induced fluorescence detection (CE-LIF) as a novel sensitive approach for the analysis of desmosines in real samples"; *Electrophoresis*, **25**, 683-691, (2004).

Annovazzi L., Cattaneo V., Viglio S., Perani E., Zanone C., Rota C., Pecora F., Cetta G., Silvestri M., Iadarola P., "High-Performance liquid chromatography and capillary electrophoresis: Methodological challenges for the determination of biologically relevant low-aliphatic aldehydes in human saliva", *Electrophoresis*, **25**, 1255-1263, (2004).

Zanone C., Chiarelli L. R., Valentini G., Perani E., Annovazzi L., Viglio S., Iadarola P., "Pyrimidine 5'-nucleotidase activities detected in real samples by means of micellar electrokinetic chromatography" *Electrophoresis*, **25**, 3270-3276, (2004).

Calleri E., Temporini C., Perani E., Lubda D., Mellerio G., Stella C., Rudaz S., Veuthey J-L, Caccialanza G., Massolini G., "Development of a chromatographic bioreactor based on trypsin immobilised on monolithic support for the on-line digestion and identification of proteins", *Journal of Chromatography A*, **1045**, 99-109, (2004).

Sala A., Campagnoli M., Perani E., Romano A., Labo' S., Monzani E., Minchiotti L., Galliano M., "Human α 1-Microglobulin is Covalently Bound to Kynurenine Derived Chromophores"; *Journal of Biological Chemistry*, **279**, 51033-51041, (2004).

Aquilani R., Verri M., Iadarola P., Arcidiaco P., Boschi F., Dossena M., Sessarego P., Scocchi M., Arrigoni N., Pastoris O., "Plasma precursors of brain catecholaminergic and serotonergic neurotransmitters in rehabilitation patients with ischemic stroke.", *Arch Phys Med Rehabil.*, **85** (5), 779-84, (2004).

Dominguez-Adame F., Hey R., Bellani V., Parravicini G. B., Diez E., "Spectroscopic ellipsometry of intentionally disordered superlattices", *Microelectronic Journal*, **35**, 59, (2003).

Bellani V., Migliori A., Petrosyan S., Grigorian L. Petrosyan P., "HRTEM, Raman and Optical Study of CdS_{1-x}Se_x Nanocrystals Embedded in Silicate Glass", *Physica Status Solidi (A)* **201**, 3023, (2004).

Galinetto P., Ballarini D., Grando D., Samoggia G., "Microstructural Modification of LiNbO₃ Crystals Induced by Femtosecond Laser Irradiation", *Applied Surface Science, in stampa, 2004*.

Galinetto P., Marinone M., Grando D., Samoggia G., Caccavale F., Morbiato A. Musolino M., "Micro-Raman Analysis on LiNbO₃ Surfaces: Effects of Etching and Polishing Processes on Structural Properties" *Optics and Lasers in Engineering, 45 (2007) 380–384*.

Grando D., Bermudez V., Diéguez E., Galinetto P., Marinone M., Rossella F., Giulotto E., G. Samoggia, "Misura dei coefficienti elettroottici di cristalli di Niobato di Litio stechiometrici e congruenti", *Atti del congresso Elettro Ottica, 2004*.

Caccavale F., Morbiato A., Properzi M., Galinetto P., Marinone M. Samoggia G., "MicroRaman investigation of optical quality lithium niobate wafers", *Proceedings SPIE, Vol. 2, 5451-12, (2004)*.

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 haemolytic anemia". *Blood prepublished online December 16, 2004*.

Sala A., Campagnoli M., Perani E., Romano A., Labo S., Monzani E., Minchiotti L., Galliano M." Human alpha-1-microglobulin is covalently bound to kynurenine-derived chromophores", *J Biol Chem.,279(49), 51033-41 (2004)*.

Rosano C., Zuccotti S., Mangione P., Giorgetti S., Bellotti V., Pettirossi F., Corazza A., Viglino P., Esposito G. Bolognesi M., "beta-2-microglobulin H31Y variant 3D-structure highlights the protein natural propensity towards intermolecular aggregation." *J. Mol. Biol. 335, 1051-1064, (2004)*.

Corazza A., Pettirossi F., Viglino P., Verdone G., Garcia J., Dumy P., Giorgetti S., Mangione P., Raimondi S., Stoppini M., Bellotti V., Esposito G., "Properties of some variants of human beta 2- microglobulin and amyloidogenesis." *J. Biol. Chem. 279, 9176-89, (2004)*.

Grandi S., Tomasi C., Mustarelli P., Dossena A., Cecchet G., "Thermal and structural study on densification of rare-earth-doped PbO-SiO₂ aerogels", *Thermochimica Acta, 418 (1-2), 117-122, (2004)*.

Barbieri L., Cannillo V., Leonelli C., Montorsi M., Siligardi C., Mustarelli P., "Characterisation of CaO-ZrO₂-SiO₂ glasses by MAS-NMR and molecular dynamics" *Physics and Chemistry of Glasses, 45 (2), 138-140, (2004)*.

Azzolina O., Collina S., Brusotti G., Rossi D., Linati L., Lanza E., Ghislandi V., "Preparation of novel analgesics via diastereoselective nucleophilic addition to 1-dimethylamino-2-methylpentan-3-one", *Tetrahedron Letters, 45 (7), 1355-1357, (2004)*.

Collina S., Loddo G., Barbieri A., Linati L., Alcaro S., Chimenti P, Azzolina O., "Microwave assisted synthesis of chiral pyrrolines with biological activity", *Tetrahedron-Asymmetry, 15 (22), 3601-3608, (2004)*.

Azzolina O., Collina S., Brusotti G., Loddo G., Linati L., Lanza E., Ghislandi V., "Diastereoselective synthesis of chiral nonracemic naphthylaminoalcohols with analgesic activity" *Tetrahedron-Asymmetry 15 (10), 1651-1658, (2004)*.