

## Pubblicazioni 2013

**Boiocchi M.**, Brega V., Ciarrocchi C., Fabbrizzi L., Pallavicini P. "Dicopper Double-Strand Helicates Held Together by Additional  $\pi$ - $\pi$  Interactions" **Inorganic Chemistry**, **2013**, **52**, **10643-10652**.

Bruni G., Maietta M., Scotti F., Maggi L., Bini M., Ferrari S., Capsoni D., **Boiocchi M.**, Berbenni V., Milanese C., Girella A., Marini A. "Structure and Properties of Fomperidone and its Succinate Salt" **Acta Crystallographica**, **2013**, **B69**, **362-370**.

Callegari, A.M., **Boiocchi, M.** "High resolution X-ray diffraction data of pirssonite from Searles Lake, San Bernardino County, California" **Neues Jahrbuch fuer Mineralogie, Abhandlungen**, **2013**, **190**, **221-227**.

Baggi, G., **Boiocchi M.**, Ciarrocchi C., Fabbrizzi L. "Enhancing the Anion Affinity of Urea-Based Receptors with a Ru(terpy)<sup>2+</sup> Chromophore" **Inorganic Chemistry**, **2013**, **52**, **5273-5283**.

Amendola V., Bergamaschi G., **Boiocchi M.**, Fabbrizzi L., Mosca L. "The Interaction of Fluoride with Fluorogenic Ureas: An ON1-OFF-ON2 Response" **Journal of the American Chemical Society**, **2013**, **135**, **6345-6355**.

Pretali L., Dondi D., D'Angelantonio M., Manet I., Fasani E., Monti S., Bovio B., Albini A. "A Fluorine 1,2-Migration via Aryl Cation/Radical/Radical Anion/Radical Sequence" **Organic Letters**, **2013**, **15**, **3926-3929**.

Quadrelli P., Mella M., Carosso S., Bovio B. "From the ene reaction of nitrosocarbonyl intermediates with 3-methylbut-2-en-1-ol, a new class of purine N,O-nucleoside analogues" **Synthesis**, **2013**, **45**, **1414-1420**.

Scagnelli L., Memeo M.G., Carosso S., Bovio B., Quadrelli P. "Syntheses of New Carbanucleosides by Pericyclic Reactions" **European Journal of Organic Chemistry**, **2013**, **18**, **3835-3846**.

Quadrelli P., Mella M., Carosso S., Bovio B. "N,O-Nucleosides from Ene Reactions of Nitrosocarbonyl Intermediates with the 3-Methyl-2-buten-1-ol" **Journal of Organic Chemistry**, **2013**, **78**, **516-526**.

Misal Giuseppe Memeo, Daniele Dondi, **Barbara Mannucci, Federica Corana**, Paolo Quadrelli, "HNO made-easy from photochemical cycloreversion of novel 3,5-heterocyclic disubstituted 1,2,4-oxadiazole-4-oxides". **Tetrahedron** **69** (**2013**) **7387e7394**.

Carlotta Raviola, Veronica Canevari, Stefano Protti, Angelo Albini and Maurizio Fagnoni, "Metal-free arylations via photochemical activation of the Ar–OSO<sub>2</sub>R bond in aryl nonaflates". **Green Chem.**, **2013**, **15**, **2704**.

*A Chiroptical Probe for Sensing Metal Ions in Water*, M. Caricato, N. J. Leza, K. Roy, D. Dondi, G. Gattuso, L. S. Shimizu, D. A. Vander Griend, D. Pasini, **Eur. J. Org. Chem.**, **2013**, **6078-6083**.

*From Red to Blue Shift: Switching the Binding Affinity from the Acceptor to the Donor End by Increasing the p-Bridge in Push-Pull Chromophores with Coordinative Ends*, M. Caricato, C. Coluccini, D. A. Vander Griend A. Forni, D. Pasini, **New J. Chem.**, **2013**, **37**, 2792-2799.

*Switching of Emissive and NLO Properties in Push-Pull Chromophores with Crescent PPV-like Structures*, C. Coluccini, A. K. Sharma, M. Caricato, A. Sironi, E. Cariati, S. Righetto, E. Tordin, C. Botta, A. Forni, D. Pasini, **Phys. Chem. Chem. Phys.**, **2013**, **15**, 1666-1674.

*Optimizing Escherichia coli as a protein expression platform to produce Mycobacterium tuberculosis immunogenic proteins*, L. Piubelli, M Campa, C. Temporini, E. Binda, F. Mangione, M. Amicosante, M. Terreni, F. Marinelli, L. Pollegioni, **Microbial Cell Factories**, Volume: **12** Article Number: **115** DOI: **10.1186/1475-2859-12-115**, Published: NOV 19 2013.

Temporini C.; Pochetti G.; Fracchiolla G.; Piemontese L.; Montanari R.; Moaddel R.; Laghezza A.; Altieri F.; Cervoni L.; Ubiali D.; Prada E.; Loiodice F.; Massolini G.; Calleri E. "Open tubular columns containing the immobilized ligand binding domain of peroxisome proliferator-activated receptors alpha and gamma for dual agonists characterization by frontal affinity chromatography with MS detection" **J. Chromatogr. A** (**2013**), **1284**, **36-43**.

I. Serra, D. Ubiali, D. A. Cecchini, E. Calleri, A. M. Albertini, M. Terreni, C. Temporini, "Assessment of immobilized PGA orientation via the LC-MS analysis of tryptic digests of the wild type and its 3K-PGA mutant assists in the rational design of a high-performance biocatalyst", **Anal Bioanal Chem** (2013), **405**, 745–753.

C. Temporini, G. Massolini, G. Marucci, C. Lambertucci, M. Buccioni, R. Volpini, E. Calleri, "Development of new chromatographic tools based on A(2A) adenosine receptor subtype for ligand characterization and screening by FAB-MS", **Anal Bioanal Chem** (2013), **405**, 837–845.

Rossi, D., Pedrali, A., Marra, A., Pignataro, L., Schepmann, D., Wünsch, B., Ye, L., Leuner, K., Peviani, M., Curti, D., Azzolina, O., Collina, S. *Studies on the Enantiomers of RC-33 as Neuroprotective Agents: Isolation, Configurational Assignment, and Preliminary Biological Profile.* (2013) **Chirality**, **25** (11), pp. 814-822.

Rossi, D., Pedrali, A., Gaggeri, R., Marra, A., Pignataro, L., Laurini, E., DalCol, V., Fermeglia, M., Prich, S., Schepmann, D., Wünsch, B., Peviani, M., Curti, D., Collina, S. *Chemical, pharmacological, and in vitro metabolic stability studies on enantiomerically pure RC-33 compounds: Promising neuroprotective agents acting as σ1 receptor agonists.* (2013) **ChemMedChem**, **8** (9), pp. 1514-1527.

Amendola Valeria, Alberti Giancarla, Bergamaschi Greta, Biesuz Raffaela, Ferrito Stefania, Schmidtchen Franz-Peter (2012). **Cavity Effect on Perrhenate Recognition by Polyammonium Cages.** *Eur. J. Inorg. Chem.* 2012, 3410–3417.

Abbonante V, Gruppi C, Rubel D, Gross O, Moratti R, Balduini A. "Discoidin domain receptor 1 protein is a novel modulator of megakaryocyte-collagen interactions." *J Biol Chem.* 2013 Jun 7; 288(23):16738-46.

Omes C., Fassina L., Van Vlierberghe S., Magenes G., Dubruel P., **Vaghi P.**, Reguzzoni M., Riva F. "A case of successful interaction between cells derived from human ovarian follicular liquid and gelatine cryogel scaffold for biotech or medical application", Conf Proc IEEE Eng Med Biol Soc. 2013, 2013: 6240-6243.

Federica Riva e Claudia Omes "Caratterizzazione morfologica e funzionale di una popolazione cellulare eterogenea presente nel liquido follicolare di ovaio umano", (2013), Lettere GIC, Vol.12 (1): 13-18.

Santin G, Bottone MG, Malatesta M, Scovassi AI, Bottiroli G, Pellicciari C, Croce AC. (2013) "Regulated forms of cell death are induced by the photodynamic action of the fluorogenic substrate, Hypocrellin B-acetate." *J Photochem Photobiol B.* 125:90-7.

Santin G, Piccolini VM, Barni S, Veneroni P, Giansanti V, Bernocchi G, Bottone MG. (2013) "Mitochondrial fusion: a mechanism of cisplatin-induced resistance in neuroblastoma cells?" *Neurotoxicology.* 34:51-60.

Bottone MG, Santin G, Aredia F, Bernocchi G, Pellicciari C, Scovassi AI. (2013) "Morphological Features of Organelles during Apoptosis: An Overview." *Cells* (Special Issue: Apoptosis). 2:294-305.

Pellicciari C, Giagnacovo M, Cisterna B, Costanzo M, Croce AC, Bottiroli G, Malatesta M. (2013) "Ultrastructural detection of photosensitizing molecules by fluorescence photoconversion of diaminobenzidine". *Histochem Cell Biol.* 139(6):863-71.

Makarand Deo, Yanfei Ruan, Sandeep V. Pandit, Kushal Shah, Omer Berenfeld, Andrew Blaufox, Marina Cerrone, Sami F. Noujaim, Marco Denegri, José Jalife and Silvia G. Priori. "KCNJ2 mutation in short QT syndrome 3 results in atrial fibrillation and ventricular proarrhythmia." *Proc Natl Acad Sci U S A.* 2013, 12;110(11):4291-6.

Di Pasquale E, Lodola F, Miragoli M, Denegri M, Avelino-Cruz JE, Buonocore M, Nakahama H, Portararo P, Bloise R, Napolitano C, Condorelli G, Priori SG. "CaMKII inhibition rectifies arrhythmic phenotype in a patient-specific model of catecholaminergic polymorphic ventricular tachycardia." *Cell Death Dis.* 2013 Oct 10;4:e843. doi: 10.1038/cddis.2013.369.

Gigli M, Lotti N, Vercellino M, \*Visai L\*, Munari A. "Novel ether-linkages containing aliphatic copolymers of poly(butlenes 1,4-cyclohexanedicarboxylate) as promising candidates for biomedical applications." *Mater Sci Eng C Mater Biol Appl.* 2014 Jan 1;34:86-97. doi: 10.1016/j.msec.2013.08.013. Epub 2013 Aug 17.

Ceccarelli G, Bloise N, Mantelli M, Gastaldi G, Fassina L, De Angelis MG, Ferrari D, Imbriani M, Visai L. "A comparative analysis of the in vitro effects of pulsed electromagnetic field treatment on osteogenic differentiation of two different mesenchymal cell lineages." *Biores Open Access.* 2013 Aug;2(4):283-94.

Fortunati E, Mattioli S, \*Visai L\*, Imbriani M, Fierro JL, Kenny JM, Armentano I. "Combined effects of Ag nanoparticles and oxygen plasma treatment on PLGA morphological, chemical, and antibacterial properties." *Biomacromolecules*. 2013 Mar 11;14(3):626-36. doi: 10.1021/bm301524e. Epub 2013 Feb 28.

Ceccarelli G, Bloise N, Vercellino M, Battaglia R, Morgante L, De Angelis MG, Imbriani M, \*Visai L\*. "In vitro osteogenesis of human stem cells by using a three-dimensional perfusion bioreactor culture system: a review." *Recent Pat Drug Deliv Formul*. 2013 Apr;7(1):29-38. Review.

Talman V, Amadio M, Osera C, Sorvari S, Boije Af Gennäs G, Yli-Kauhaluoma J, Rossi D, Govoni S, Collina S, Ekokoski E, Tuominen RK, Pascale A. "The C1 domain-targeted isophthalate derivative HMI-1b11 promotes neurite outgrowth and GAP-43 expression through PKC $\alpha$  activation in SH-SY5Y cells." *Pharmacol Res*. 2013 Jul;73:44-54.

Sommi P., **Necchi V.**, Vitali A., Montagna D., De Luigi A., Salmona M., Ricci V., Solcia E. "PaCS Is a Novel Cytoplasmic Structure Containing Functional Proteasome and Inducible by Cytokines/Trophic Factors" **PLOS ONE Volume 8 (12), Dec. 2013.**

Prevete N, Staiano RI, Granata F, Detoraki A, **Necchi V**, Ricci V, Triggiani M, De Paulis A, Marone G, Genovese A. "Expression and function of Angiopoietins and their tie receptors in human basophils and mast cells." **J Biol Regul Homeost Agents**. 2013 Jul-Sep;27(3):827-39.

Prevete N, Rossi FW, Rivellese F, Lamacchia D, Pelosi C, Lobasso A, **Necchi V**, Solcia E, Fiocca R, Ceppa P, Staibano S, Masccolo M, D'Argenio G, Romano M, Ricci V, Marone G, De Paulis A. "Helicobacter pylori HP(2-20) induces eosinophil activation and accumulation in superficial gastric mucosa and stimulates VEGF-alpha and TGF-beta release by interacting with formyl-peptide receptors." **Int J Immunopathol Pharmacol**. 2013 Jul-Sep;26(3):647-62.

**V. Necchi**, A. Balduini, P. Noris, S. Barozzi, P. Sommi, C. di Buduo, C. L. Balduini, E. Solcia , A. Pecci "Ubiquitin/proteasome-rich particulate cytoplasmic structures (PaCSs) in the platelets and megakaryocytes of ANKRD26 -related thrombo-cytopenia" **Thrombosis and Haemostasis Volume 109, Issue 2, pages 262-271, Feb. 2013.**

Sandri G., Bonferoni MC, D'Autilia F., Rossi S., Ferrari F., Grisoli P., Sorrenti M., Catenacci L., Del Fante C., Perotti C., "Wound dressing based on silver sulfadiazine solid lipid nanoparticles for tissue repairing" **European Journal of Biopharmaceutics 2013, V 84, pag 84-90.**