

- R. Petrucci, I. Chiarotto, L. Mattiello, D. Passeri, M. Rossi, G. Zollo, and M. Feroci, “Graphene Oxide: A Smart (Starting) Material for Natural Methylxanthines Adsorption and Detection”, *Molecules* **2019**, *24*, 4247
- F. Pandolfi, I. Chiarotto, L. Mattiello, R. Petrucci, and M. Feroci, “Two Different Selective Ways in the Deprotonation of β -Bromopropionanilides: β -Lactams or Acrylanilides Formation”, *Chemistry Select* **2019**, *4*, 12871–12874
- I. Chiarotto, L. Mattiello, F. Pandolfi, D. Rocco, M. Feroci and R. Petrucci, “Electrochemical oxidation of theophylline in organic solvents: HPLC-PDA-ESI-MS/MS analysis of the oxidation products”, *ChemElectroChem.*, **2019**, *6*, 4511–4521
- M. Feroci, T. Civitarese, F. Pandolfi, R. Petrucci, D. Rocco, D. Zane, G. Zollo, and L. Mattiello, “Electrochemical studies of new donor-acceptor oligothiophenes”, *ChemElectroChem*, **2019**, *6*, 4016–4021
- N. Lovecchio, F. Costantini, A. Nascetti, R. Petrucci, G. de Cesare, D. Caputo, “Development of an Electrochemiluminescence-based Lab-on-Chip Using Thin/Thick Film Technologies”, Proceedings - 8th International Workshop on Advances in Sensors and Interfaces, IWASI 2019, Otranto, Italy, June 13-14, **2019**, Article number 8791281, 79-83
- R. Petrucci, G. Zollo, A. Curulli, G. Marrosu, “A new insight into the oxidative mechanism of caffeine and related methylxanthines in aprotic medium: May caffeine be really considered as an antioxidant?”, *BBA - General Subjects*, **2018**, 1862, 1781-1789
- A. Panusa, R. Petrucci, R. Lavecchia, A. Zuorro, “UHPLC-PDA-ESI-TOF/MS Metabolic Profiling and Antioxidant Capacity of Arabica and Robusta Coffee Silverskin: Antioxidants vs Phytotoxins”, *Food Research International*, **2017**, *99*, 155-165
- A. Trani, R. Petrucci, G. Marrosu, D. Zane and A. Curulli, “Selective Electrochemical Determination of Caffeine at a Gold-Chitosan Nanocomposite Sensor: May Little Change on Nanocomposites Synthesis Affect Selectivity?” *Journal of Electroanalytical Chemistry*, **2017**, 788, 99-106
- A. Panusa, R. Petrucci, G. Marrosu, G. Multari, F. R. Gallo, “UHPLC-PDA-ESI-TOF/MS metabolic profiling of *Arctostaphylos pungens* and *Arctostaphylos uva-ursi*. A comparative study of phenolic compounds from leaf methanolic extracts”, *Phytochemistry*, **2015**, *115*, 79-88
- A. Trani, R. Petrucci, G. Marrosu and A. Curulli, “Determination of Caffeine @ Gold Nanoparticles Modified Gold (Au) Electrode: A Preliminary Study”, *Lecture Notes in Electrical Engineering, Sensors*, Springer International Publishing Switzerland 2015, 319, 147-151, **2015**; Book ID: 325611_1_En ChapterID: 26
- A. Panusa, A. Zuorro, R. Lavecchia, G. Marrosu and R. Petrucci, “Recovery of Natural Antioxidants from Spent Coffee Grounds”, *Journal of Agricultural and Food Chemistry*, **2013**, *61*, 4162-4168

- R. Petrucci, G. Marrosu, P. Astolfi, G. Lupidi and L. Greci, "Cyclic Voltammetry, Spectroelectrochemistry and Electron Spin Resonance as Combined Tools to Study Thymoquinone in Aprotic Medium", *Electrochimica Acta*, **2012**, 60, 230-238
- R. Petrucci, L. Saso, V. Kumar, A.K. Prasad, S.V. Malhotra, V. S. Parmar, G. Marrosu, "A spectroelectrochemical and chemical study on oxidation of 7,8-dihydroxy-4-methylcoumarin (DHMC) and some related compounds in aprotic medium", *Biochimie*, **2010**, 92, 1123-1129
- O. Firuzi, A. Spadaro, C. Spadaro, V. Riccieri, R. Petrucci, G. Marrosu, L. Saso, "Protein Oxidation Markers in the Serum and Synovial Fluid of Psoriatic Arthritis Patients", *J. Clin. Lab. Analysis*, **2008**, 22, 210-215
- R. Petrucci, P. Astolfi, L. Greci, O. Firuzi, L. Saso and G. Marrosu, "A Spectroelectrochemical and Chemical Study on Oxidation of Hydroxycinnamic Acids in Aprotic Medium", *Electrochimica Acta*, 52, 2461-2470, **2007**
- O. Firuzi, P. Mladěnka, V. Riccieri, A. Spadaro, R. Petrucci, G. Marrosu and L. Saso, "Parameters of Oxidative Stress Status in Healthy Subjects: Their Correlations and Stability After Sample Collection", *J. Clin. Lab. Analysis*, **2006**, 20, 139-148
- O. Firuzi, L. Fuksa, C. Spadaro, I. Boušová, V. Riccieri, A. Spadaro, R. Petrucci, G. Marrosu and L. Saso, "Oxidative stress parameters in different systemic rheumatic diseases", *J. Pharm. Pharmacol.*, **2006**, 58(7), 951-957
- O. Firuzi, A. Lacannam R. Petrucci, G. Marrosu, L. Saso, "Evaluation of the antioxidant activity of flavonoids by "ferric reducing antioxidant power" assay and cyclic voltammetry", *Biochim. Biophys. Acta*, **2005**, 1721, 174-184
- O. Firuzi, P. Mladěnka, R. Petrucci, G. Marrosu and L. Saso, "Hypochlorite scavenging activity of flavonoids", *J. Pharm. Pharmacol.*, **2004**, 56, 801-807
- O. Firuzi, L. Giansanti, R. Vento, C. Seibert, R. Petrucci, G. Marrosu, R. Agostino and L. Saso, "Hypochlorite Scavenging Activity of Hydroxycinnamic Acids Evaluated by a Rapid Microplate Method Based on the Measurement of Chloramines", *J. Pharm. Pharmacol.*, **2003**, 55, 1021-1027
- A. Alberti, P. Astolfi, D. Döpp, L. Greci, D. Macciantelli and R. Petrucci, "Reactions of indolic nitrones and N-heteroaromatics bases under irradiation and chemical oxidation", *New J. Chem.*, **2003**, 27, 1045-1048
- E. Giorgini, R. Petrucci, P. Astolfi, R. Mason and L. Greci, "On the Role of Nitrogen Monoxide (Nitric Oxide) in the Nitration of a Tyrosine Derivative and Model Compounds", *European Journal of Organic Chemistry*, **2002**, 23, 4011 – 4017
- M. T. Gatto, O. Firuzi F. J., R. Agostino, E. Grippa, A. Borsò, F. Spinelli, L. Pavan, M. Petrolati, R. Petrucci, G. Marrosu and L. Saso, "Development of a New Assay for the Screening of Hypochlorous Acid Scavengers based on Reversed-Phase High Performance Liquid Chromatography", *Biomedical Chromatography*, **2002**, 16 (6), 404-411

- G. Marrosu, R. Petrucci, A. Trazza, "The Removal of Low Level Inorganics via Electrogenerated Hydrogen Peroxide in the Presence of Catalytic Amounts of Fe²⁺", *Annali di Chimica*, **2001**, 91, 175-183
- E. Grippa, F. Pavone, M. T. Gatto, R. Petrucci, G. Marrosu, B. Silvestrini, L. Saso, "In Vitro Evaluation of Antioxidant Activity by Electrophoresis and High Performance Liquid Chromatography", *Biochimica et Biophysica Acta*, **2000**, 1524, 171-177
- L. Greci, G. Tommasi, R. Petrucci, G. Marrosu, A. Trazza, P. Sgarabotto, L. Righi and A. Alberti, "Oxidative Trimerization Of Indole: on the Formation of Dications and Radical Cations by Reaction of Indole and Nitrosobenzene in the Presence of Acids", *J. Chem. Soc., Perkin Trans. 2*, **2000**, 2, 2337-2342; oggi *Organic & Biomolecular Chemistry*
- L. Greci, G. Tommasi, P. Astolfi, R. Petrucci, G. Marrosu, A. Trazza, P. Sgarabotto and L. Righi, "Radical Cations: Reactions of 2-Phenylindole with Aromatic Amines under Anodic Oxidation. B-Scission of an Amino Alkoxy Radical", *J. Chem. Soc., Perkin Trans. 2*, **2000**, 1749-1755; oggi *Organic & Biomolecular Chemistry*
- R. Petrucci, E. Giorgini, E. Damiani, P. Carloni, G. Marrosu, A. Trazza, G. P. Littarru and L. Greci, "A Study on the Interactions between Coenzyme Q₀ and Superoxide Anion. Could Ubiquinones Mimic Superoxide Dismutase (Sod)?", *Res. Chem. Intermed.*, **2000**, 26 (3), 269-282
- G. Tommasi, P. Bruni, L. Greci, P. Sgarabotto, L. Righi and R. Petrucci, "Synthesis of a new Series of Indolinic Aminoxyls. Reaction of Indoles, 2-Phenylbenzothiazole, 2-Phenylbenzoxazole and 2-Phenyl-1,2-Dihydro-4H-3,1-Benzoxazin-4-one with Organolithium Reagents", *J. Chem. Soc., Perkin Trans. 2*, **1999**, 2123-2128; oggi *Organic & Biomolecular Chemistry*
- M. Rossetti, P. Stipa, R. Petrucci and L. Greci, "Reactions between 1-Methyl-e-Phenyl-3-nitrosoindole, Activated with Benzoyl Chloride, with Indole and Indolizine Derivatives as Nucleophiles: a Case of 1,3-Migration", *J. Chem. Research (S)*, 362-363, **1999**; *J. Chem. Research (M)*, 1634-1644, **1999**
- P. Carloni, E. Damiani, L. Greci, P. Stipa, G. Marrosu, R. Petrucci, A. Trazza, "Chemical and Electrochemical Study on the Interactions of Aminoxyl with Superoxide Anion", *Tetrahedron*, **1996**, 52 (34), 11257-11264
- G. Marrosu, R. Petrucci, A. Trazza, "Electroreduction of N-Benzyl-N-Nitrosoanthranilic Acid to 1-Benzyl-1,2-Dihydro-3H-Indazol-3-One", *Electrochimica Acta*, **1995**, 40 (7), 923-25
- P. Carloni, E. Damiani, L. Greci, P. Stipa, A. Alberti, M. Tenaglia, G. Marrosu, R. Petrucci, A. Trazza, "Chemical and Electrochemical Reduction of 2H-Indole-3,5-Dione and -Dione 3-Imine N-Oxided", *Journal of the Chemical Society, Perkin Transactions 2 : Physical Organic Chemistry* (1972-1999), **1993**, 11, 2217 - 22; oggi *Organic & Biomolecular Chemistry*
- P. Carloni, L. Greci, E. Maurelli, P. Stipa, M. Wozniak, G. Marrosu, R. Petrucci, A. Trazza, "The Role of Oxygen in the Reduction of Tetrazolium Salts with NADH mediated by 5-

Methylphenazinium Methyl Sulphate. An EPR and Voltammetric Study”, *Res. Chem. Intermed.*, **1993**, 19 (7), 643- 56