



Publicaciones derivadas de la tesis doctoral de Alberto Soldevilla Armas

1. P.J. Campos, A. Soldevilla, D. Sampedro, M.A. Rodríguez, "N-Cyclopropylimine-1-pyrroline Rearrangement. A Novel Photochemical Reaction", *Organic Letters*, 2001, 3, 4087-4089.
2. P.J. Campos, A. Soldevilla, D. Sampedro, M.A. Rodríguez, "Simple and Versatile Synthesis of 1-Pyrroline Derivatives through Thermal Rearrangement of N-Cyclopropylimines", *Tetrahedron Letters* 2002, 43, 8811-8813.
3. D. Sampedro, A. Soldevilla, M.A. Rodríguez, P.J. Campos, M. Olivucci, "Mechanism of the N-Cyclopropylimine-1-pyrroline Photo-rearrangement", *Journal of the American Chemical Society* 2005, 127, 441-448.
4. A. Soldevilla, D. Sampedro, P.J. Campos, M.A. Rodríguez, "The N-Cyclopropylimine-1-pyrroline Photorearrangement as a Synthetic Tool: Scope and Limitations", *Journal of Organic Chemistry* 2005, 70, 6976-6979.
5. A. Soldevilla, D. Sampedro, "Preparation and application of cyclopropylimines in organic synthesis. A review", *Org. Prep. Proc. Int.* 2007, 39, 561-590.



Publicaciones derivadas de la tesis doctoral de M. Trinidad Cedrón Fernández.

- 1 C. Sáenz-Barrio; T. Cedrón-Fernández, "Microextraction of volatile compounds from wine samples and their determination by GC-FID. The effect of the salts and extraction solvents used", *Chromatographia*, 2002, 51, 221-225.
2. T. Cedrón-Fernández, C. Sáenz-Barrio, S. Cabredo-Pinillos, I. Sanz Vicente, "Separation and determination of volatile compounds in synthetic wine samples by gas chromatography using UV-Visible Molecular Absorption Spectrometry as detector, *Talanta*, 2002, 57, 555-563.
3. S. Cabredo-Pinillos; T. Cedrón-Fernández; C. Sáenz-Barrio, "Comparison of different extraction methods applied to volatile compounds in wine samples previous to the determination by gas chromatography", *Analitical Lett.*, 2004, 37, 3063-3084.
4. S. Cabredo-Pinillos; T. Cedrón-Fernández; A. Parra-Manzanares; C. Sáenz-Barrio, "Determination of volatile compounds in wine by automated solid-phase microextraction and gas chromatography" *Chromatographia*, 2004, 59, 773-738.
5. S. Cabredo-Pinillos; T. Cedrón-Fernández; M. González-Briongos, L. Puente-Pascual, C. Sáenz-Barrio, "Ultrasound-assisted extraction of volatile compound from wine samples: optimisation of the method", *Talanta*, 2006, 69, 1123-1129.



Publicaciones derivadas de la tesis doctoral de Miguel Ángel Fernández Torroba

1. A. Alonso, M.A. Fernández-Torroba, M.T. Tena y B. Pons, "Development and validation os a solid-phase microextraction method for the analysis of volatile organic compounds in groundwater samples", *Chromatographia*, 2003, 57, 369-378..
2. B. Pons, M.A. Fernández-Torroba, G. Ortiz y M.T. Tena, "Monitoring ans evolution of the pollution by volatile organic compounds (VOCs) in the groundwaters of the Najerilla river basin (Spain)", *International Journal of Environmental Analytical Chemistry* 2003, 83, 495-506.



Publicaciones derivadas de la tesis doctoral de Noelia Canal González.

1. A. Avenoza, J. H. Busto, N. Canal, J. M. Peregrina, "Reactivity of 2-Acylaminoacrylates with Ketene Diethyl Acetal; [2 + 2] Cycloadditions vs. Tandem Condensations", Chem. Commun. 2003, 1376-1377.
2. A. Avenoza, J. H. Busto, N. Canal, J. M. Peregrina, "Structural analysis of acetamidocyclobutanes by a combination of X-ray diffraction and NMR spectroscopy", Structural Analysis of Cyclic Systems, 2005, 55-68.
3. A. Avenoza, J. H. Busto, N. Canal, J. M. Peregrina, "Synthesis of cyclobutane serine analogues", J. Org. Chem. 2005, 70, 330-333.
4. A. Avenoza, J. H. Busto, N. Canal, J. M. Peregrina, "Time course of the evolution of malic and lactic acids in the alcoholic and malolactic fermentation of grape must by quantitative H-1 NMR (qHNMR) spectroscopy", J. Agricultural Food Chem. 2006, 54,4715-4720.



Publicaciones derivadas de la tesis doctoral de Rodrigo Martínez Ruiz

1. R. Martinez, J. Millan, M. Gonzalez, "Ab initio analytical potential energy surface and quasiclassical trajectory study of the $O^+(^4S)+H_2(X\ ^1\Sigma_g^+)-> OH^+(X\ ^3\Sigma^-)+H(^2S)$ reaction and isotopic variants", *J. Chem Phys.*, **2004**, *120*, 4705-4714.
2. R. Martinez, J.D. Sierra, M. Gonzalez, "Cross sections of the $O^+ + H_2 \rightarrow OH^+ + H$ ion-molecule reaction and isotopic variants (D-2, HD): Quasiclassical trajectory study and comparison with experiments", *J. Chem Phys.*, **2005**, *123*, 74312.
3. R. Martinez, J. M. Lucas, X. Gimenez, A. Aguilar, M. Gonzalez, "Exact quantum dynamics study of the $O^+ + H_2(v=0, j=0) \rightarrow OH^+ + H$ ion-molecule reaction and comparison with quasiclassical trajectory calculations", *J. Chem Phys.*, **2006**, *124*, 44301.
4. R. Martinez, J.D. Sierra, S.K. Gray, M. Gonzalez, "Time dependent quantum dynamics study of the $O^+ + H_2(v=0, j=0) \rightarrow OH^+ + H$ ion-molecule reaction and isotopic variants (D-2,HD)", *J. Chem Phys.*, **2006**, *125*, 16430.



Publicaciones derivadas de la tesis doctoral de María Ortega Martínez-Losa

1. M. Ortega, M.A. Rodríguez, P.J. Campos, "Zn-Mediated Catalytic Photoreduction of Aldimines. One-pot Synthesis and Separation of meso and d,l C2 Symmetrical Diamines", Tetrahedron 2004, 60, 6475-6478.
2. M. Ortega, M.A. Rodríguez, P.J. Campos, "Photoreduction of Imines. An Environmentally Friendly Approach to Obtain Amines", Tetrahedron 2005, 61, 11686-11691.



Publicaciones derivadas de la tesis doctoral de Almudena Martínez Uruñuela

1. A. Martínez-Uruñuela, J. M. González-Sáiz, C Pizarro, "Optimisation of a headspace solid-phase microextraction method for the direct determination of chloroanisoles related to cork taint in red wine", *J. Chromatography A* **2004**, 1056, 49-56.
2. A. Martínez-Uruñuela, J. M. González-Sáiz, C Pizarro, "Optimisation of the derivatisation reaction and subsequent headspace solid-phase microextraction method for the direct determination of chlorophenols in red wine", *J. Chromatography A* **2004**, 1048, 141-151.
3. A. Martínez-Uruñuela, I. Rodríguez, R. Cela, J. M. González-Sáiz, C Pizarro, "Development of a solid-phase extraction method for the simultaneous determination of chloroanisoles and chlorophenols in red wine using gas chromatography-tandem mass spectrometry", *Anal. Chim. Acta* **2005**, 549, 117-123.
4. A. Martínez-Uruñuela, J. M. González-Sáiz, C Pizarro, "Multiple solid-phase microextraction in a non equilibrium situation. Application in quantitative analysis of chlorophenols and chloroanisoles related to cork taint in wine", *J. Chromatography A* **2005**, 1089, 31-38.



Publicaciones derivadas de la tesis doctoral de Isabel Esteban Díez

1. I. Esteban-Díez, J. M. González-Sáiz, C Pizarro, "An evaluation of orthogonal signal correction methods for the characterisation of Arabica and Robusta coffee varieties by NIRS", *Anal. Chim. Acta* 2004, 514, 57-67.
2. C. Pizarro, I. Esteban-Díez, A.J. Nistal, J.M. González-Sáiz, "Influence of data pre-processing on the quantitative determination of the ash content and lipids in roasted coffee by near-infrared spectroscopy", *Anal. Chim. Acta* 2004, 509, 217-227.
3. D. Garrido-Vidal, I. Esteban-Díez, N. Pérez-del-Notario, J.M. González-Sáiz, C. Pizarro, "On-line monitoring of kinetic and sensorial variables in acetic fermentation by NIRS", *J. Near Infrared Spectroscopy* 2004, 12, 15-27.
4. I. Esteban-Díez, J. M. González-Sáiz, C Pizarro, "OWAVEC: a combination of wavelet analysis and an orthogonalization algorithm as a pre-processing step in multivariate calibration", *Anal. Chim. Acta* 2004, 515, 31-41.
5. I. Esteban-Díez, J. M. González-Sáiz, C. Pizarro, "Prediction of Roasting colour and other quality parameters of roasted coffee samples by Near-infrared Spectroscopy. A feasibility study", *J. Near Infrared Spectroscopy* 2004, 12, 287-298.
6. I. Esteban-Díez, J. M. González-Sáiz, C. Pizarro, "Prediction of sensory properties of espresso from roasted coffee samples by near-infrared spectroscopy", *Anal. Chim. Acta* 2004, 525, 171-182.
7. I. Esteban-Díez, J. M. González-Sáiz, C. Pizarro, "Generalization of OWAVEC method for simultaneous noise suppression, data compression and orthogonal signal correction", *Anal. Chim. Acta* 2005, 544, 89-99.
8. I. Esteban-Díez, J. M. González-Sáiz, C. Pizarro, "GA-ACE: Alternating Conditional Expectations regression with selection of significant predictors by Genetic Algorithms", *Anal. Chim. Acta* 2006, 555, 96-106.
9. I. Esteban-Díez, J. M. González-Sáiz, D. Gómez-Cámara, C. Pizarro, "Multivariate calibration of near infrared spectra by Orthogonal WAVElet Correction using a genetic algorithm", *Anal. Chim. Acta* 2006, 555, 84-95.



Publicaciones derivadas de la tesis doctoral de Oscar Ezquerro Royo

1. O. Ezquerro, B. Pons y M.T. Tena, "Development of a headspace solid-phase microextraction-gas chromatography-mass spectrometry method for the identification of odour-causing volatile compounds in packaging materials", J. Chromatography A, 2002, 963, 381-392.
2. O. Ezquerro, B. Pons y M.T. Tena, "Direct quantitation of organic compounds in packaging materials by headspace solid-phase microextraction-gas chromatography-mass spectrometry", J. Chromatography A, 2003, 985, 247-257.
3. O. Ezquerro, B. Pons y M.T. Tena, "Evaluation of multiple solid-phase microextraction as a technique to remove the matrix effect in packaging analysis for determination of volatile organic compounds", J. Chromatography A, 2003, 1020, 189-197.
4. O. Ezquerro, B. Pons y M.T. Tena, "Headspace solid-phase microextraction-gas chromatography-mass spectrometry applied to quality control in multilayer-packaging manufacture", J. Chromatography A, 2003, 1008, 123-128.
5. O. Ezquerro, B. Pons y M.T. Tena, "Multiple headspace solid-phase microextraction for the quantitative determination of volatile organic compounds in multilayer packagings", J. Chromatography A, 2003, 999, 155-164.
6. O. Ezquerro, B. Pons y M.T. Tena, "Determination of benzene, toluene, ethylbenzene and xylenes in soils by multiple headspace solid-phase microextraction", J. Chromatography A, 2004, 1035, 17-22.
7. O. Ezquerro y M.T. Tena, "Determination of odour-causing volatile organic compounds in cork stoppers by multiple headspace solid-phase microextraction", J. Chromatography A, 2005, 1068, 201-208.
8. O. Ezquerro, A. Garrido-López y M.T. Tena, "Determination of 2,4,6-trichloroanisole and guaiacol in cork stoppers by pressurised fluid extraction and gas chromatography-mass spectrometry", J. Chromatography A, 2006, 1112, 18-24.

Publicaciones derivadas de la tesis doctoral de María Bernechea Navarro

1. J. R. Berenguer, M. Bernechea, J. Forniés, J. Gómez, E. Lalinde, "Diphenyl(phenylethynyl)phosphine d6 [Rh(III), Ir(III), Ru(II)] Complexes: Preparation of Homo (η^5 -C₆H₅)₂ and Hetero (η^5 -C₆H₅)(η^5 -PPh₂C≡CPh) Bridged d6-d8 Compounds", *Organometallics* 2002, 21, 2314-2324.
2. Jesús R. Berenguer, María Bernechea, Juan Forniés, Ana García and Elena Lalinde, "(pCymene) Ruthenium(II)(diphenylphosphino)alkyne Complexes: Preparation of (η^5 -C₆H₅)(η^5 -PPh₂C≡CPh) Bridged Ru/Pt Heterobimetallic Complexes", *Organometallics* 2004, 23, 4288-4300.
3. Jesús R. Berenguer, María Bernechea, Juan Forniés, Ana García, Elena Lalinde and M. Teresa Moreno, "Alkynyl(diphenylphosphane) d8 (Pt, Rh, Ir) Complexes: Contrasting Behavior Toward cis-[Pt(C₆F₅)₂(thf)₂]", *Inor. Chem.* 2004, 43, 8185-8198.
4. Jesús R. Berenguer, María Bernechea, Juan Forniés, Elena Lalinde and Javier Torroba, "Facile Mono or Double C-H Bond Activation on η^2 -Pt-Complexed Acetylenes by Interaction with [cis-PtR₂S₂] and [cis-PtR₂(CO)S] (R = C₆F₅, S = thf)", *Organometallics* 2005, 24, 431-438.
5. Jesús R. Berenguer, María Bernechea and Elena Lalinde, "Rearrangement or C-H Activation Processes Promoted by Reaction with the Solvate [cis-Pt(C₆F₅)₂(thf)₂]", *Organometallics* 2006, 25, 1161-1172.
6. María Bernechea, Noël Lugan, Belén Gil, Elena Lalinde and Guy Lavigne, "Six-coordinate Alkynyl(diphenylphosphine) Ruthenium (II) Complexes: Synthesis, Structure and Catalytic Activity as ROMP Initiators", *Organometallics* 2006, 25, 684-692.
7. Jesús R. Berenguer, María Bernechea and Elena Lalinde, "C-H and P-C(Ph) Activation Competitive Processes Caused by Interaction with the Solvate [cis-Pt(C₆F₅)₂(thf)₂]", *Dalton Trans.* 2007, 2384-2397.
8. Jesús R. Berenguer, María Bernechea and Elena Lalinde, "Rearrangement or C-H Activation processes Promoted by Reaction with the Solvate [cis-Pt(C₆F₅)₂(thf)₂]", *Organometallics* 2007, 26, 1164-1172.



Publicaciones derivadas de la tesis doctoral de Ana García Fontecha

1. I. Ara, J. Forniés, A. García, J. Gómez, E. Lalinde, M. T. Moreno, "Formation of Diphenylphosphanylbutadienyl Complexes by Insertion of Two P-Coordinated Alkynylphosphanes into a Pt-C6F5 Bond: Detection of Intermediate and Reaction Products", *Chemistry, Eur. J.* 2002, 8, 3698-3716.
2. J. Forniés, A. García, J. Gómez, E. Lalinde, M. T. Moreno, "Synthesis of Pt(II)-Pt(II) and Pt/Pd(II)-Pt(0) Monoalkynylphosphine Bridging Complexes", *Organometallics* 2002, 21, 3733-3743.
3. J. R. Berenguer, M. Bernechea, J. Forniés, A. García, E. Lalinde, M.T. Moreno, "Alkynyldiphenylphosphine d8 (Pt, Rh, Ir) Complexes: Contrasting Behavior toward cis-[Pt(C6F5)2(thf)2]", *Inorg. Chem.* 2004, 43, 8185-8198.
4. J. Forniés, A. García, B. Gil, E. Lalinde, M. T. Moreno, "Synthesis and characterization of monoand binuclear platinum complexes containing terminal and bridging diynyldiphenylphosphine ligands", *Dalton Trans.* 2004, 3854-3863.
5. A. García, J. Gómez, E. Lalinde, M. T. Moreno, "Contrasting Thermal and Photochemical Intramolecular Coupling in Alkynylphosphine Platinum(II) Complexes", *Organometallics* 2006, 25, 3926-3934.
6. A. García, E. Lalinde, M. T. Moreno, "Ethynyltolan Platinum Complexes with Arylalkynylphosphane Ligands", *Eur. J. Inorg. Chem.* 2007, 3553-3560.
7. L. R. Falvello, J. Forniés, R. Garde, A. García, E. Lalinde, M. T. Moreno, A. Steiner, M. Tomás, I. Usón, "Tri- and polynuclear chain Pt-Tl complexes based on non-bridged PtII-TII bonds: Solid State and Frozen Solution Photophysical properties", *Inorg. Chem.* 2006, 45, 2542-2552.

Publicaciones derivadas de la tesis doctoral de Manuel Montiel Argáiz

1. E.J. Fernández, P.G. Jones, A. Laguna, J.M. López de Luzuriaga, M. Monge, M. Montiel, M.E. Olmos and J. Pérez, "Luminescent Gold(I)-Thallium(I) arrays through N-bidentate building blocks", *Z. Naturforsch B* 2004, 59b, 1379-1386.
2. E.J. Fernández, A. Laguna, J.M. López de Luzuriaga, M. Monge, M. Montiel, M.E. Olmos and J. Pérez, "Thallium(I) Acetylacetonate as Building Blocks of Luminescent Supramolecular Architectures", *Organometallics* 2004, 23, 774-782.
3. E.J. Fernández, A. Laguna, J.M. López de Luzuriaga, M. Montiel, M.E. Olmos and J. Pérez, "Au-Tl linear chains as Lewis acids towards $[\text{Au}(\text{C}_6\text{X}_5)_2]^-$ metalloligands: The first anionic heteropolynuclear chains", *Organometallics* 2005, 24, 1631-1637.
4. E.J. Fernández, A. Laguna, J.M. López de Luzuriaga, M. Montiel, M.E. Olmos and J. Pérez, "Dimethylsulfoxide gold-thallium complexes. Effects of the metal-metal interactions in the luminescence", *Inorg. Chim Acta* 2005, 358, 4293-4300.
5. E.J. Fernández, A. Laguna, J.M. López de Luzuriaga, M. Montiel, M.E. Olmos and J. Pérez, "Easy ketimine formation assisted by heteropolynuclear gold-thallium complexes", *Organometallics* 2006, 25, 1689-1695.

Publicaciones derivadas de la tesis doctoral de Belén Gil Ibáñez

1. Susana Fernández, Juan Forniés, Belén Gil, Julio Gómez and Elena Lalinde, "Synthesis, Structural Characterisation and Photophysics of anionic cyclometalated bis(alkynyl)(benzo[h]quinolinate)platinate(II) species", *Dalton Trans.* **2003**, 822-830.
2. José Benito, Jesús R. Berenguer, Juan Forniés, Belén Gil, Julio Gómez, Elena Lalinde, "Síntesis Characterization and Luminiscence Properties of Homoleptic Platinum Acetylde Complexes", *Dalton Trans.* **2003**, 4331-4339.
3. Juan Forniés, Belén Gil, Susana Ibáñez, Antonio Martín, M. Teresa Moreno, Elena Lalinde, "Synthesis, Characterization and Optical Properties of Pentafluorophenyl Complexes with Pt–Cd bond", *Organometallics* **2004**, 23, 3963-3975.
4. Jesús. R. Berenguer, Juan Forniés, Belén Gil and Elena Lalinde, "Novel Luminescent Mixed-Metal Pt-Tl-Alkynyl-Based Complexes: The role of the alkynyl substituents in the metallophilic and $\eta^2(\pi\cdots\text{TI})$ Bonding Interactions ", *Chem. Eur. J.* **2006**, 12, 785-795.
5. J. Fernández, J. Forniés, B. Gil, J. Gómez, E. Lalinde, M. T. Moreno, "Synthesis, Structures and Luminescence Behavior of Mixed Metal Alkynyl Platinum-Cadmium Complexes", *Organometallics* **2006**, 25, 2274-2283.
6. B. Gil, J. Forniés, J. Gómez, E. Lalinde, A. Martín, M. T. Moreno, "Influence of Solvent and weak C-H $\cdots$ O contacts in the Self-Assembled $[\text{Pt}_2\text{M}_4\{\text{C}\equiv\text{C}(3\text{-OMe})\text{C}_6\text{H}_4\}_8]$ (M = Cu, Ag) Clusters and its Role in the Luminescent Behavior", *Inorg. Chem.* **2006**, 45, 7788-7798.



Publicaciones derivadas de la tesis doctoral de Susana López Sola

1. Pedro J. Campos, Míriam Caro, Susana López-Sola, Diego Sampedro, Miguel A. Rodríguez, "Role of Imino group in Photochemical Reactions of Fischer Carbene Complexes", J. Organometal. Chem. 2006, 691, 1075-1080.



Publicaciones derivadas de la tesis doctoral de Marta Pérez Fernández

1. A. Avenoza, J. H. Busto, N. Canal, J. M. Peregrina, M. Pérez-Fernández, "Selective Michael-Aldol Reaction by Use of Sterically Hindered Aluminum Aryloxides as Lewis Acids: An Easy Approach to Cyclobutane Amino Acids", *Org. Lett.* 2005, 7, 3597-3600.
2. A. Avenoza, J. H. Busto, J. M. Peregrina, M. Pérez-Fernández, "Synthesis of 2-methyl- and 2-methylenecyclobutane amino acid", *Tetrahedron* 2005, 61, 4165-4172.
3. A. Avenoza, J. H. Busto, F. Corzana, G. Jiménez-Osés, J. M. Peregrina, M. Pérez-Fernández, "Conformational Analysis of 2-Substituted Cyclobutane-4-Amino Acid Derivatives. A Synergistic Experimental and Computational Study", *J. Org. Chem.* 2006, 71, 1868-1878.



Publicaciones derivadas de la tesis doctoral de Gonzalo Jiménez Osés

1. Avenoza, A.; Busto, J. H.; Corzana, F.; Jiménez-Osés, G.; Paris, M.; Peregrina, J. M.; Sucunza, D.; Zurbano, M. M. "New synthesis of anantiopure 2-methyl isoserine", *Tetrahedron Asymmetry* 2004, 15, 131-137.
2. Avenoza, A.; Busto, J. H.; Corzana, F.; Jiménez-Osés, G.; Peregrina, J. M. "S_N2 vs. E2 on quaternary centres: an application to the synthesis of enantiopure β 2,2-aminoacids", *Chem. Commun.* 2004, 980-981.
3. Avenoza, A.; Busto, J. H.; Corzana, F.; Jiménez-Osés, G.; Peregrina, J.M., "S_N2 vs. E2 on quaternary centres: an easy approach to chiral β 2,2-amino acids from cyclic sulfamidates", *Phosphorus, Sulfur, Silicon Relat. Elem.* 2005, 180, 1459-1460.
4. Avenoza, A.; Busto, J. H.; F.; Jiménez-Osés, G.; Peregrina, J.M., "A convenient enantioselective synthesis of (S)-trifluoromethylisoserine", *J. Org. Chem.* 2005, 70, 5721-5724.
5. Avenoza, A.; Busto, J. H.; F.; Jiménez-Osés, G.; Peregrina, J.M., "Enantioselective synthesis of S-linked glycosyl- β 2,2-amino acid derivatives by S_N2 reaction on hindered sulfamidates", *Synthesis* 2006, 641-644.
6. Avenoza, A.; Busto, J. H.; F.; Jiménez-Osés, G.; Peregrina, J.M., "S_N2 reaction of sulfur nucleophiles with hindered sulfamidates: enantioselective synthesis of β -metilisocysteine", *J. Org. Chem.* 2006, 71, 1692-1695.
7. Avenoza, A.; Busto, J. H.; F.; Jiménez-Osés, G.; Peregrina, J.M., "Stereoselective synthesis of ortogonally protected β -methylnorlantonine", *Org. Lett.* 2006, 8, 2855-2858.
8. Avenoza, A.; Busto, J. H.; F.; Jiménez-Osés, G.; Peregrina, J.M., "Highly chemoselective reactions on hindered sulfamidates with oxygenated nucleophiles", *Tetrahedron: Asymmetry* **2008**, 19, 443-449



Publicaciones derivadas de la tesis doctoral de Alejandro Parra Manzanares

1. Alejandro Parra, Susana Cabredo y Jesús Anzano, "Bacteria spectra obtained by laser induced fluorescence", *J. Fluorescence*, **2007**, *17*, 171-180.
2. A. Parra, X. Wu, S. Cabredo, J. Anzano, N. Omenetto, B. Smith, J. Winefordner, "Fluorescence life time as a parameter for bacteria discrimination: a preliminary investigation", *Luminiscence*, **2006**, *21*, 355-356.



Publicaciones derivadas de la tesis doctoral de Nuria Pérez del Notario

1. Pizarro, C., Pérez-del-Notario, N., González-Sáiz, J.M., "Multiple headspace solid-phase microextraction for eliminating matrix effect in the simultaneous determination of haloanisoles and volatile phenols in wines Journal of Chromatography A 2007, 1166 (1-2), 1-8.
2. Pizarro, C., Pérez-del-Notario, N., González-Sáiz, J.M., "Optimisation of a microwave-assisted extraction method for the simultaneous determination of haloanisoles and halophenols in cork stoppers", Journal of Chromatography A 2007, 1149 (2), 138-144.
3. Pizarro, C., Pérez-del-Notario, N., González-Sáiz, J.M. "Determination of Brett character responsible compounds in wines by using multiple headspace solid-phase microextraction", Journal of Chromatography A 2007, 1143 (1-2), 176-181.
4. Pizarro, C., Pérez-del-Notario, N., González-Sáiz, J.M., "Optimisation of a headspace solid-phase microextraction with on-fiber derivatisation method for the direct determination of haloanisoles and halophenols in wine", Journal of Chromatography A 2007, 1143 (1-2), 26-35.
5. Pizarro, C., González-Sáiz, J.M., Pérez-del-Notario, N. "Multiple response optimisation based on desirability functions of a microwave-assisted extraction method for the simultaneous determination of chloroanisoles and chlorophenols in oak barrel sawdust", Journal of Chromatography A 2006, 1132 (1-2), 8-14



Publicaciones derivadas de la tesis doctoral de Rafael Alonso Ruiz

1. Rafael Alonso, Pedro J. Campos, Bárbara García, Miguel A. Rodríguez, "New light-Induced Iminyl Radical Cyclization Reactions of Acyloximes to Isoquinolines", Org. Lett. 2006, 8, 3521-3523.
2. Rafael Alonso, Pedro J. Campos, Miguel A. Rodríguez, Diego Sampedro, " Photocyclization of Iminyl Radicals: Theoretical Study and Photochemical Aspects", J. Org.Chem. 2008, 73, 2234-2239.



Publicaciones derivadas de la tesis doctoral de Javier Torroba Vélez

1. Jesús R. Berenguer, María Bernechea, Juan Forniés, Elena Lalinde and Javier Torroba, "Facile Mono or Double C-H Bond Activation on η^2 -Pt-Complexed Acetylenes by Interaction with [cis-PtR₂S₂] and [cis-PtR₂(CO)S] (R = C₆F₅, S = thf)", *Organometallics*, **2005**, 24, 431-438.
2. Jesús R. Berenguer, Elena Lalinde and Javier Torroba, "Characterization and Photophysics of a New Series of Anionic C,N,C Cyclometalated Platinum Complexes", *Inorg. Chem.* **2007**, 46, 9919-9930

Publicaciones derivadas de la tesis doctoral de José David Carrillo Zamajón

1. Tena, M. T. Y Carrillo, J. D., "Multiple solid phase microextraction. Theory and applications.", *Trends in Analytical Chemistry*, 26 (2007) 206-214.
2. Carrillo, J. D. Y Tena, M. T., "Determination of volatile compounds in antioxidant rosemary extracts by solid-phase microextraction and gas chromatography", *Analytical Letters*, 38 (2005) 1193-1212.
3. Carrillo, J. D. Y Tena, M. T. "Determination of volatile compounds in antioxidant rosemary extracts by multiple headspace solid-phase microextraction and gas chromatography.", *Flavour & Fragrance Journal*, 21 (2006) 626-633.*
4. Carrillo, J. D.; Garrido, Á. Y Tena, M. T. "Determination of volatile oak compounds in wine by headspace solid-phase microextraction and gas chromatography-mass spectrometry (HS-SPME-GC-MS).", *Journal of Chromatography A*, 1102 (2006) 25-36.
5. Carrillo, J. D. Y Tena, M. T. "Determination of volatile oak compounds in aged wines by multiple headspace solid-phase microextraction and gas chromatography-mass spectrometry (MHS-SPME-GC-MS).", *Analytical and Bioanalytical Chemistry*, 385 (2006) 937-943.
6. Carrillo, J. D.; Salazar, C.; Moreta, C. Y Tena, M. T., "Determination of phthalates in wine by headspace solid-phase microextraction followed by gas chromatography-mass spectrometry: Fibre comparison and selection.", *Journal of Chromatography A*, 1164 (2007) 248-261.
7. Martínez, M. P.; Carrillo, J. D. Y Tena, M. T., "Determination of phthalates in wine by headspace solid-phase microextraction followed by gas chromatography-mass spectrometry. Use of deuterated phthalates as internal standards.", *Journal of Chromatography A*, 1181 (2008) 125-130.
8. Carrillo, J. D. Y Tena, M. T., "Determination of ethyl phenols in wine by in situ derivatization and headspace solid-phase microextraction-gas chromatography-mass spectrometry.", *Analytical and Bioanalytical Chemistry*, 387 (2007) 2547-2558.
9. Bozalongo, R.; Carrillo, J. D.; Fernández, M. Á. Y Tena, M. T., "Analysis of French and American oak chips with different toasting degrees by headspace solid-phase microextraction-gas chromatography-mass spectrometry.", *Journal of Chromatography A*, 1173 (2007) 10-17



Publicaciones derivadas de la tesis doctoral de Marisa García De Luis

1. F. Corzana, J. H. Busto, G. Jiménez-Osés, J. L. Asensio, J. Jiménez-Barbero, J. M. Peregrina, A. Avenoza, "New Insights into α -GalNAc-Ser Motif: Influence of Hydrogen Bonding versus Solvent Interactions on the Preferred Conformation", *J. Am. Chem. Soc.* **2006**, 128, 14640-14648
2. F. Corzana, J. H. Busto, G. Jiménez-Osés, M. García de Luis, J. L. Asensio, J. Jiménez-Barbero, J. M. Peregrina, A. Avenoza, "Serine versus Threonine Glycosylation. The Methyl Group Causes a Drastic Alteration on the Carbohydrate Orientation and on the Surrounding Water Shell", *J. Am. Chem. Soc.* **2007**, 129, 9458-9467
3. F. Corzana, J. H. Busto, M. García de Luis, J. Jiménez-Barbero, , A. Avenoza, J. M. Peregrina, "The Nature and Sequence of the Aminoacid Aglycone Strongly Modulates the Conformation and Dynamics of Tn Antigen's Clusters", *Chem. Eur. J.*, **2008**, enviado



Publicaciones derivadas de la tesis doctoral de Alberto Fernández Tejada

1. A. Fernández-Tejada, F. Corzana, J. H. Busto, G. Jiménez-Osés, J. M. Peregrina, A. Avenoza, "Non-natural Amino Acids as Modulating Agents of the Conformational Space of Model Glycopeptide", *Chem. Eur. J.* **2008**, *14*, 70427058.
2. A. Fernández-Tejada, F. Corzana, J. H. Busto, A. Avenoza, J. M. Peregrina, "Stabilizing Unusual Conformations in Small Peptides and Glcopeptides using a Hydroxilated Cyclobutane Amino Acid", *Org. Biomol. Chem.* **2009**, *7*, 28852893.
3. A. Fernández-Tejada, F. Corzana, J. H. Busto, G. Jiménez-Osés, J. Jiménez-Barbero, . Avenoza, J. M. Peregrina, "Insights into the Geometrical Features Underlying b-O-GlcNAc Glycosylation: Water Pockets Drastically Modulate the Interactions between the Carbohydrate and the Peptide Backbone", *Chem. Eur. J.* **2009**, *15*, 72977301.