

List of papers and meeting contributions

List of papers by the author presented in this thesis (in chronological order):

1. Mata, Y.; Diéguez, M.; Pàmies, O.; Claver, C.
New Carbohydrate-Based Phosphite-Oxazoline Ligands as Highly Versatile Ligands for Palladium-Catalyzed Allylic Substitution Reactions.
Adv. Synth. Catal. **2005**, *347*, 1943.
(Chapter 3)
2. Mata, Y.; Diéguez, M.; Pàmies, O.; Claver, C.
Chiral Phosphite-oxazolines: A New Class of Ligands for Asymmetric Heck Reactions.
Org. Lett., **2005**, *7*, 5597.
(Chapter 4)
3. Mata, Y.; Diéguez, M.; Pàmies, O.; Woodward, S.
Screening of a Modular Sugar-Based Phosphite Ligand Library in the Asymmetric Nickel-Catalyzed Trialkylaluminium Addition to Aldehydes.
J. Org. Chem. **2006**, *71*, 8159.
(Chapter 5)
4. Mata, Y.; Diéguez M.; Pàmies, O.; Claver, C.
Sugar-based phosphite-phosphoroamidite ligands for allylic alkylation reactions.
Tetrahedron Asymmetry **2006**, *17*, 3282.
(Chapter 3)

- 5.** Mata, Y.; Diéguez, M.; Pàmies, O.
Screening of a modular sugar-based phosphite-oxazoline ligand library in the asymmetric Pd-catalyzed Heck reactions.
Chem. Eur. J. **2007**, *13*, 3296
(Chapter 4)
- 6.** Mata, Y.; Diéguez, M.; Pàmies, O.
A carbohydrate-based phosphite-oxazoline ligand library for Pd-catalyzed asymmetric allylic substitution reactions.
Submitted to Chem. Eur. J.
(Chapter 3)
- 7.** Mata, Y.; Diéguez, M.; Pàmies, O.
Pd-catalyzed asymmetric allylic substitution using a sugar-based monophosphite ligand library.
Submitted to Inorg. Chim. Acta
(Chapter 3)
- 8.** Mata, Y.; Diéguez, M.; Pàmies, O.; Woodward, S.
Phosphite-oxazoline and phosphite-phosphoramidite ligand libraries in the asymmetric Ni-catalyzed trialkylaluminium addition to aldehydes.
In preparation
(Chapter 5)
- 9.** Mata, Y.; Diéguez, M.; Pàmies, O.; Biswas, K.; Woodward, S.
Sugar phosphite-oxazoline and phosphite-phosphoramidite ligand libraries for Cu-catalyzed asymmetric 1,4-addition reactions.
Submitted to Tetrahedron: Asymmetry
(Chapter 6)

10. Mata, Y.; Diéguez, M.; Pàmies, O.; Woodward, S.

Screening of a modular sugar-based phosphite ligand library in the Cu-catalyzed asymmetric 1,4-addition reactions.

In preparation

(Chapter 6)

Contributions to national and international meetings, directly related with the thesis.

1. Mata, Y.; Diéguez, M.; Pàmies, O.; Claver, C.

New Carbohydrate-Based Phosphite-Oxazoline Ligands as Highly Versatile Ligands for Palladium-Catalyzed Allylic Substitution Reactions. XXII International Conference on Organometallic Chemistry - ICOMC. Zaragoza. Spain. 2006. Poster communication.

2. Diéguez, M.; Mata, Y.; Pàmies, O.; Claver, C.

New carbohydrate-based phosphite-oxazoline as a highly versatile ligands for Pd-catalyzed enantioselective substitution reactions. Stereocat 06. Lisbon. Portugal. 2006. Poster communication.

3. Pàmies, O.; Mata, Y.; Claver, C.; Diéguez, M.

Phosphite-oxazoline ligands for asymmetric Pd-catalyzed Heck reactions. Innovation I Conference. COST D-40 Dublin. Ireland. 2007. Poster communication.