

List of Publications (*Antonio Garrido Montalban*)

1. Mn(III) star-octakis(dimethylamino)porphyrazines: electrochemistry, magnetic susceptibility and high-field EPR spectroscopy (200-500 Ghz). D. P. Goldberg, J. Telser, J. Krzystek, A. Garrido Montalban, D. J. Williams, L. C. Brunel, A. G. M. Barrett and B. M. Hoffman, *Abstract of papers of the American Chemical Society*, **1997**, 214, No.Pt1. 419-INOR.
2. EPR spectra from "EPR-silent" species: high-field EPR spectroscopy of manganese(III) porphyrins. D. P. Goldberg, J. Telser, J. Krzystek, A. Garrido Montalban, L. C. Brunel, A. G. M. Barrett and B. M. Hoffman, *J. Am. Chem. Soc.* **1997**, 119, 8722.
3. Seco-porphyrazines: synthetic, structural and spectroscopic investigations. A. Garrido Montalban, S. J. Lange, L. S. Beall, N. S. Mani, A. J. P. White, D. J. Williams, A. G. M. Barrett and B. M. Hoffman, *J. Org. Chem.* **1997**, 62, 9284.
4. A facile and regioselective synthesis of trans-heterofunctionalized porphyrazine derivatives. T. P. Forsyth, D. B. G. Williams, A. Garrido Montalban, C. L. Stern, A. G. M. Barrett and B. M. Hoffman, *J. Org. Chem.* **1998**, 63, 331.
5. Metal-Ion binding to octakis(dimethylamino)porphyrazine: core coordination of Mn(III) and peripheral coordination of Pd(II). D. P. Goldberg, A. Garrido Montalban, A. J. P. White, D. J. Williams, A. G. M. Barrett and B. M. Hoffman, *Inorg. Chem.* **1998**, 37, 2873.
6. Star porphyrazines and related multimetallic macrocycles. K. Andersen, M. Anderson, O. P. Anderson, S. Baum, T. F. Baumann, L. S. Beall, W. E. Broderick, A. S. Cook, D. M. Eichhorn, D. Goldberg, H. Hope, W. Jarrell, S. J. Lange, Q. J. McCubbin, N. S. Mani, T. Miller, A. Garrido Montalban, M. S. Rodriguez-Morgade, S. Lee, H. Nie, M. M. Olmstead, M. Sabat, J. W. Sibert, C. Stern, A. J. P. White, D. B. G. Williams, D. J. Williams, A. G. M. Barrett and B. M. Hoffman, *J. Heterocyclic Chem.* **1998**, 35, 1013.
7. The photo-peroxidation of a diamino zinc porphyrazine to the seco-zinc porphyrazine: suicide or murder? A. Garrido Montalban, H. G. Meunier, R. Ostler, A. G. M. Barrett, B. M. Hoffman and G. Rumbles, *J. Phys. Chem. A* **1999**, 103, 4352.
8. Cerium(III) chloride mediated regioselective synthesis of cyclic α -chloro- α,β -enones and α -chloro- β -hydroxy ketones. A. Garrido Montalban, L.-O. Wittenberg and A. McKillop, *Tetrahedron Lett.* **1999**, 40, 5893.
9. Synthesis and ring opening metathetic polymerization of porphyrazine benzonorbornadiene derivatives. A. Garrido Montalban, J. H. G. Steinke, M. E. Anderson, A. G. M. Barrett and B. M. Hoffman, *Tetrahedron Lett.* **1999**, 40, 8151.

10. Porphyrzinediols: synthesis, characterization and complexation to group IVB metallocenes. N. Bellec, A. Garrido Montalban, D. B. G. Williams, A. S. Cook, M. E. Anderson, X. Feng, A. G. M. Barrett and B. M. Hoffman, *J. Org. Chem.* **2000**, *65*, 1774.
11. Bis(dimethylamino)porphyrzines: synthetic, structural and spectroscopic investigations. A. Garrido Montalban, Wade Jarrell, E. Riguet, Q. J. McCubbin, M. E. Anderson, Andrew J. P. White, David J. Williams, A. G. M. Barrett and B. M. Hoffman, *J. Org. Chem.* **2000**, *65*, 2472.
12. A seco-porphyrzine: superb sensitizer for singlet oxygen generation and endoperoxide synthesis. A. A. Trabanco, A. Garrido Montalban, G. Rumbles, A. G. M. Barrett and B. M. Hoffman, *Synlett* **2000**, 1010.
13. Synthesis, characterization and reactions of enantiomerically pure “winged” spirane porphyrzines. S.-i. Hachiya, A. S. Cook, D. B. G. Williams, A. Garrido Montalban, A. G. M. Barrett and B. M. Hoffman, *Tetrahedron* **2000**, *56*, 6565.
14. Synthesis and photophysical properties of peripherally metallated bis(dimethylamino)porphyrzines. E. G. Sakellariou, A. Garrido Montalban, H. G. Meunier, R. B. Ostler, G. Rumbles, A. G. M. Barrett and B. M. Hoffman, *J Photochem. Photobiol. A* **2000**, *136*, 185.
15. Phenanthroline-appended porphyrzines: synthesis and conversion into solitaire Ru(II) complexes. A. Garrido Montalban, E. G. Sakellariou, E. Riguet, Q. J. McCubbin, A. G. M. Barrett and Brian M. Hoffman, *Inorg. Chim. Acta* **2001**, *317*, 143.
16. Lanthanide porphyrzine sandwich complexes: synthetic, structural and spectroscopic investigations. A. Garrido Montalban, S. M. Baum, S. L. J. Michel, A. J. P. White, D. J. Williams, A. G. M. Barrett and B. M. Hoffman, *J. Chem. Soc., Dalton Trans.* **2001**, 3269.
17. Synthesis and reactions of dipyrromethane-2,10-dicarboxylates. A. Garrido Montalban, A. J. Herrera, J. Johannsen, J. Beck, T. Godet, M. Vrettou, A. J. P. White and D. J. Williams, *Tetrahedron Lett.* **2002**, in press.
18. Peripherally-metallated seco-porphyrzines: a new generation of photoactive pigments. E. G. Sakellariou, A. Garrido Montalban, H. G. Meunier, G. Rumbles, R. B. Ostler, K. Suhling, D. Phillips, A. G. M. Barrett and B. M. Hoffman, *Inorg. Chem.* **2002**, in press.
19. Synthesis and reactions of aminoporphyrzines with annulated five- and seven-membered rings. S. M. Baum, A. A. Trabanco, A. Garrido Montalban, A. S. Micallef, A. J. P. White, D. J. Williams, A. G. M. Barrett and B. M. Hoffman, *J. Org. Chem.* **2001**, submitted.

20. The synthesis of aromatic diazatriacycles from phenylenediamine-bis(methylene Meldrum's acid) derivatives. G. I. Graf, D. Hastreiter, L. E. da Silva, R. Andrade Rebelo, A. Garrido Montalban and A. McKillop, submitted.

21. Synthesis of 4- and 7-oxo-4,5,6,7-tetrahydroindoles. A. Garrido Montalban, S. Baum and A. McKillop, manuscript in preparation.

Invited Lectures

December 1993: Presentation at Lilly Research Centre, Windlesham "Asymmetric Approaches towards LY290154".

September 1995: Presentation at the University of East Carolina, Greenville "Synthesis and Chemistry of Porphyrazines".

Poster Presentations

1. The synthesis and characterisation of star, ribbon and sheet porphyrazine polymers. A. G. M. Barrett, B. M. Hoffman, A. Garrido Montalban, Q. J. McCubbin, A. Cook, L. S. Beall, D. P. Goldberg, T. Forsyth, S. Lange, A. J. P. White and D. J. Williams, poster presentation at the Engineering and Physical Science Research Council innovative polymer synthesis initiative, York, July 1996.

2. Recent advances in porphyrazine chemistry. A. G. M. Barrett, B. M. Hoffman, A. Garrido Montalban, Q. J. McCubbin, D. B. G. Williams, A. Cook, L. S. Beall, D. P. Goldberg, T. Forsyth, S. Lange, A. J. P. White and D. J. Williams, poster presentation at the Royal Society highlights of UK chemistry research and R&D by young chemists, London, February 1997.

3. Recent advances in porphyrazine chemistry. A. Garrido Montalban, E. Riguet, Q. J. McCubbin, S. Rodriguez Morgade, S. Baum, D. Hochmuth, M. E. Anderson, G. Rumbles, A. J. P. White, D. J. Williams, A. G. M. Barrett and B. M. Hoffman, poster presentation at the Royal Society of Chemistry (Speciality Chemicals Sector of the Industrial Affairs Division) second international symposium on phthalocyanines, Edinburgh, September 1998.