Curriculum Vitae

Felipe García

Academic Qualifications

- **Ph.D. Inorganic Chemistry, University of Cambridge, July 2006.** Dissertation title: "*Cyclic and Cage Complexes of Groups 13 and 15 Elements"*. Supervisor: Prof D. S. Wright.

- **MSc Inorganic Chemistry and BA in Chemistry, Universidad de Oviedo Sept. 2001.** *Dissertation title:* "*Cyclic and cage complexes of group 15 elements*". Supervisor: Prof D. S. Wright.

Professional Qualifications/Memberships

- **June 2015 – Present** Member of the American Chemical Society.
- **June 2010 – Present** Associated member of the Higher Education Academy.
- **Sept 2009 – Feb 2011** Wolfson College Fellow. Cambridge University.
- **July 2004 – Present** Fellow of the Cambridge European Society. University of Cambridge.
- **Sept 2001 – Present** Associate Member of the Royal Society of Chemistry.

Summary of Working Experience

- **Mar. 2011 – Present** Assistant Professor. Nanyang Technological University. Singapore.
- **Oct. 2006 – Feb 2011** College Lecturer. Newnham and Trinity Colleges. University of Cambridge.
- **Oct. 2005 – Oct 2009** Wolfson College Research Fellow. University of Cambridge.
- **Oct. 2004 – Sep. 205** Research Associate. Chemistry Department. University of Cambridge.
- **Oct. 2001 – Oct. 2004** EPSRC Ph.D. Studentship.
- **Jul. 2001 – Sept. 2001** BASF internship. Ludwigshafen. Germany.

Teaching

Awards and memberships:

- **Excellence in Teaching Award.** School of Physical and Mathematical Sciences. Nanyang Technological University (2016). Awarded annually by the School of Physical and Mathematical Sciences.
- **Junior Faculty Teaching Award.** Chemistry Department. Cambridge University (2010). Awarded annually by the Teaching Committee.
- **Associate Member of the Higher Education Academy (UK).** Professional recognition of my teaching practice by gaining associate membership of the Higher Education Academy. Demonstrating that my teaching practices are aligned with the UK Professional Standards Framework (UK PSF).

Courses taught and teaching scores:

Cambridge University

- **Main Group Organometallics.** Fourth-year course. Department of Chemistry. University of Cambridge.
- **Rings, Chains, and Networks.** Third-year course. Department of Chemistry. University of Cambridge.
- **Member of the inorganic teaching committee.** I was part of a team of four academic staff in charge of the revision and redesign the inorganic teaching curriculum. University of Cambridge.

Nanyang Technological University

- **CBC729:** Graduate Seminar Module
  - *2011-2012: Mean Teaching Score:* ***4.34/5.0***.
  - *2012-2013: Mean Teaching Score:* ***4.42/5.0***.
- **CBC8001 (Class size ~ 380)**: Chemistry and Society.
  - *2011-2012: Mean Teaching Score:* ***3.70/5.0***.
  - *2012-2013:* Mean Teaching Score: **3.87/5.0**.
  - *2013-2014:* Mean Teaching Score: **3.99/5.0**.
  - *2014-2015:* Mean Teaching Score: **4.16/5.0**.
  - *2015-2016:* Mean Teaching Score: **4.30/5.0**.
  - 2016-2017: Mean Teaching Score: **4.35/5.0**.
- **CBC9001/CY1101 (class size ~60)**: Advanced Conceptual Chemistry with Laboratory
  - *2013-2014:* Mean Teaching Score: **4.10/5.0**.
  - *2014-2015:*. Mean Teaching Score: **4.22/5.0**.
  - *2015-2016:* Mean Teaching Score: **4.50/5.0**.
  - *2016*-2017: Mean Teaching Score: **4.68/5.0.**
  - *2017*-2018: Mean Teaching Score: **4.62/5.0**

Teaching Courses attended

- **Peer Review of Teaching for Decision Making.** Nanyang Technological University. Nov. 2016.
- **Brown Bag Seminar: Analysing Tests and Test Questions.** Nanyang Technological University. Mar. 2015.
- **Team-Based Learning Workshop 1:** Introduction to TBL. Nanyang Technological University. Mar. 2015
- **Team-Based Learning Workshop 2:** Forming High-Performance Teams. Nanyang Technological University. May 2015.
- **Team-Based Learning Workshop 3** - Team Learning Activities. Nanyang Technological University. Sep. 2015.
- **Team-Based Learning Workshop 4** - TBL Conversion: Guidelines. Nanyang Technological University. Sep. 2015.
- **Team-Based Learning Workshop 5** - TBL Conversion: Implementation. Sep. 2015.
- **Team-Based Leaning Boot camp.** Nanyang Technological University. Jan. 2015.

- **NTULearn: Assignment and Assessment Tools.** Nanyang Technological University. Apr. 2015.
- **Learning Design using LAMS. Nanyang.** Nanyang Technological University. Apr. 2015.
- **Team Base Learning.** Nanyang Technological University. Dec. 2014.
- **Advanced Learning Design.** Nanyang Technological University. Apr. 2015.
- **Foundations in University Teaching and Learning.** Nanyang Technological University. Dec. 2014.
- **Innovations In Teaching Seminar (IITS) 2014. Technology for Pedagogy.** Nanyang Technological University. Sep.-Oct. 2014.
- **How to Build Your Career Through Teaching Excellence (Seminar).** Nanyang Technological University. Nov. 2014.
- **English for faculty.** Nanyang Technological University. Jan. 2012-Jun. 2012.
- **Participative Learning: Supporting Self-directed Learning.** Nanyang Technological University. Sept. 2011.
- **Teaching associate program.** Cambridge University. Dec. 2009 - June 2010.
- **Admissions interviews in the Physical Natural Sciences and Engineering.** Cambridge University Oct. 2006.
- **Lecturing and presentation skills.** Sep. 2015. University of Cambridge. Oct. 2005.
- **Supervising Undergraduates.** University of Cambridge. Jun 2003.

Research

Awards

- **2005-2009 Wolfson College Research Fellowship.** University of Cambridge.
- **2001-2004 Cambridge European Trust Bursary.** University of Cambridge.
- **2001-2004 Isaac Newton Trust European Research Studentship.** (Only ten grants offered per year in the University of Cambridge).

Service as examiner for Ph.D. thesis

University of Cambridge:

- PhD. internal examiner - only two examiners involved per thesis- in two PhD. Thesis.

Nanyang Technological University:

- Ph.D. Examiner for 16 Ph.D. theses (ten as an internal reviewer). The internal reviewer has to assess the quality of the thesis before the oral examination panel where the student has to defend their Ph.D. thesis.
- Ph.D. Qualifying examiner of 25 students. The qualifying exam takes place after 18 months and assesses the ability of the candidate to be considered to proceed with their PhD. Studies.

Presentations at scientific meetings/workshops

Oral and Invited Presentations:

- **Mechanochemical Synthesis of Main Group Compounds.** 14th Conference of the Asian Crystallographic Association. December 2016, Hanoi (Vietnam).
- **Mechanochemical Approaches to Main Group Compounds.** 1st South East Asian Conference on Crystal Engineering. August 2016. Colombo (Sri Lanka).
- **Synthesis and Structural Studies of Aryl-NHC Stabilized Trimethyl Group 13 Complexes.** ICOMC. July 2016. Melbourne (Australia).
- **Mechanochemical Syntheses of Main Group Compounds.** ICOMC. July 2016. Melbourne (Australia).
- **Mechanochemical Synthetic Approaches to Phosphazanes.** Pacifichem. Dec. 2015, Hawaii (USA).
- **Mechanochemical Reactions of Phosphazanes.** Golden Jubilee Chemistry Conference. August 2015. NUS. Singapore.
- **Mechanochemical Reactions of Phosphazanes.** International Symposium on Mechanochemistry. June 2015. USTC, Hefei (China).
- **Novel Mechanochemical approaches to phosphazane synthesis.** SICC8. December 2014 (Singapore).
- **NHC group 13 complexes.** ICCC41. August 2014 (Singapore).
- **Water stable cyclophosphazanes.** ICCC41. August 2014 (Singapore).
- **Main Group PN systems**. ISOMC. August 2012. Seoul (Korea).
- **Phosphazanes from molecules to functionalized frameworks**. September 2010. Heriott –Watt University (UK).
- **Main Group phosphazane compounds December 2008.** *Invited Departmental research seminar*. Universitat Jaume I (Spain).
- **Group 4 amides and Phosphinidines.** May 2007. *Inorganic Section Colloquia*. Strathclyde University (U.K.).
- **Coordination Chemistry and Reactivity of Main Group Phosphido Compounds.** *Micra 2006*. Durham University (U.K.).

Poster Presentations:

- **Stabilization and Reactivity of Phosphazanes.** ICOMC. July 2016. Melbourne (Australia).
- **Stabilization and Reactivity of Phosphazanes upon Oxidation.** Pacifichem. Dec. 2015, Hawaii (USA).
- **C-N bond cleavage in phosphazanes.** ICCC41. August 2014 (Singapore).
- **Group 13 Pyridyl Moieties as Chelating Ligands, Mixed Ligand Precursors, and Heteroatom Networks.** F. García, M. McPartlin, M. C. Rogers, J. S. Silvia, D. S. Wright. *ICOMC 2006* (Spain).
- **The inverse coordination of LiCl using Group 13 phosphide hosts.** M. J. Duer, F. García, J. M. Goodman, J. P. Hehn, R. A. Kowenicky, V. Naseri, D. S. Wright. *ICOMC 2006* (Spain).

Research funding

- **Mechanochemical Approaches to Main Group Solid-state Photoredox Systems.** Advanced Manufacturing and Engineering (AME). Agency for Science, Technology and Research (A*STAR). Start date: Sept 2017. Tenure Period: 3 years. End date: Aug 2020. Value: S$ 618,546. Role: Principal Investigator.
- **Engineering Fluorinated Organo-Lanthanide Complex for NIR-Vis Upconversion Fluorophores.** Ministry of Education Singapore. Start date: March 2017. Tenure Period: 2 years. End date: Feb 2019. Value: S$125000. Role: Co-PI.
- **Group 13 NHC Bonding and Reactivity Studies: Towards Effective P-P Oligomerization.** Ministry of Education Singapore. Start date: Nov 2015. Tenure Period: 2 years. End date: Oct 2017. Value: S$79.200. Role: Principal Investigator.
- **College of Science Award.** Nanyang Technological University. Nov 2015 Value: S$6.000.
- **Soft Approaches to Materials Using Main Group Frameworks.** Nanyang Technological University. Start date: April 2011. Tenure Period: 5 years. End date: March 2014. Value: S$250.000. Role: Principal Investigator.
- **Trinity College Summer Studentship.** Chemistry department. University of Cambridge. Start date: June 2009. Tenure Period: 3 months. End date: September 2009. Value: £2500. Role: Principal Investigator.
- **Chemistry Department Summer Studentship.** Chemistry department. University of Cambridge. Start date: June 2009. Tenure Period: 3 months. End date: September 2009. Value: £2500. Role: Principal Investigator.
- **Newton Trust Research Fund.** Trinity College. University of Cambridge. Start date: July 2008. Tenure Period: 3 months. End date: September 2008. Value: £6000. Role: Principal Investigator.
- **SMRS Fund.** Newnham College. University of Cambridge. Value £3000. Role: Principal Investigator.
- **New Synthetic Strategies for TTF Based Donor Ligands**. Royal Society International Joint Project. Start Date: July/2008. Tenure Period: 24 months. End Date: 30/06/2010. Value: £7000. Role: Principal Investigator
- **Exploring organo-sulfur donors as candidates for flexible organic thin-film transistors.** NSERC Strategic Project Grants. Start date: March 2008. Tenure Period: 24 months. End date: February 2010. Value: $200,000. Role: Co-Investigator

Courses and Workshops attended

- **Research Project Management**. Cambridge University. March 2010
- **Research Project Management for Principal Investigators.** Cambridge University. November 2009
- **Leadership for Research Leaders.** Cambridge University. December 2009
- **Proposal Writing Skills.** Cambridge University (2007).
- **Postgraduate Workshop on Neutron Scattering and Muon Spin Rotation Techniques in Magnetism.** Rutherford Appleton Laboratory (UK). Feb. 2006.
- **The UK Molecular Magnets Network. Mag-net 2005 Workshop.** Edinburgh University (UK). Jun 2006.
- **The UK Molecular Magnets Network. Mag-net 2005 Workshop.** Manchester University (UK). Jan 2005.
- **Third Crystallography School**, University of Zaragoza (Spain), Sept 2003.

- **BCA/CCG Ninth Intensive Course in X-ray Structure Analysis.** Durham University (UK). April 2003.
- **Risk assessment technician.** University of Oviedo (Spain). January 2000.
- **Safety and Work Environment in Laboratories.** University of Oviedo (Spain). July 1999.
- **Solid Residues Management and Processing.** University of Cantabria (Spain). July 1999.

PhD Students

Past advisees:

- **Melissa Wu** (Ph.D. Student, August 2011- July 2015), "*Synthesis, structure and reactivity of Group 13 NHC complexes*", NTU, Singapore. Funded by: Start Up Grant Scholarship.

Current advisees:

- **Xi Xiaoyan** (Ph.D. Student, August 2013- July 2017), "*Synthesis, structure and reactivity of PN systems*", NTU, Singapore. Funded by: Start Up Grant Scholarship.
- **Hu Zhang** (Ph.D. Student, August 2013- July 2017), "*Group 15 cationic mitochondrial drugs*", NTU, Singapore. Funded by: Start Up Grant Scholarship.
- **Wang Jingyi "**Ph.D. Student, Jan 2014 - Dec 2017), "*Synthesis, structure and reactivity of Group 13 complexes for CO_2* capture", NTU, Singapore. Funded by: SINGA Scholarship.
- **Sim Ying** (Final year Project August 2014 – July 2018), "Mechanochemical approaches to phosphazane architectures". NTU, Singapore

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List of Publications

Felipe García

Dr García has published over 60 research manuscripts in international refereed Journals and 3 Book chapters. A total of over 1100 citations, with an H-index of 17 (For an updated list please see http://blogs.ntu.edu.sg/fgarcia/publications/

PUBLICATIONS (ResearcherID: B-7029-2011)

1. **Metal-free Steric C-N Bond Activation during the Oxidation of Dimeric Macrocycle [{P(*μ*-NR)}$_2$(*μ*-NR)]$_2$ with Chalcogen.** Yan X. Shi, Rong Z. Liang, Katherine A. Martin, Daniel G. Star, Yongxin Li, Rakesh Ganguly, Jesús Díaz,* and Felipe García*. *Chem Eu. J.*, **2017**, Submitted.
2. **Main Group mechanochemistry.** *Beilstein J. Org. Chem.*, **2017**, *Under Review.*
3. **Bay-Region Functionalization of Ar-BIAN Ligands and Their Use Within Highly Absorptive Cationic Iridium(III) Dyes.** Kamrul Hasan, Jingyi Wang, Amlan K. Pal, Han Sen Soo,* Felipe García,* and Eli Zysman-Colman*. *Scientific Reports* , **2017**, *Under review.*
4. **Synthesis, optical, and electrochemical properties of indium(III) bis(arylamino)acenaphthene complexes.** Jingyi Wang, Rakesh Ganguly, Li Yongxin, Jesus Díaz, Han Sen Soo* and Felipe García*. *Inorg Chem.***, 2017**. *Under review.*
5. **Mechanochemical Synthesis of Phosphazane-based compounds.** Ying Sim, Yan X. Shi, Rakesh Ganguly, Yongxin Li and Felipe García*. *Chem. Eu. J.***, 2017**, *In press. DOI: 10.1002/chem.201701619. Impact Factor: ~5.7.*
6. **Rational Design of Triphenylphosphonium Derivatives for Enhanced Mitochondrial Uptake and Photodynamic Therapy** Zhang Hu, Ying Sim, Kon Qi Lian, Ng Wai Har, António Ribeiro, Pedro Fernandes, Xing Bengang, Felipe Garcia[§]* and Edwin K. L. Yeow[§]*. *Bioconjugate Chem.,* **2017**, *28*, 590–599. DOI: 10.1021/acs.bioconjchem.6b00682. *Impact Factor: ~4.5.*
7. **Aryl-NHC group 13 Trimethyl complexes: Structural, Stability and Bonding Insights.** Melissa Wu Meiyi, Arran M. Gill, Lu Yunpeng, Li Yongxin, Rakesh Ganguly, Laura Falivene* and Felipe García***.** *Dalton Transactions*, **2017**, *46*, 854-864. DOI: 10.1039/C6DT04448D*. Impact Factor: ~4.0.*
8. **Mechanochemistry Made It Possible: Synthesis of the Sterically Encumbered Phosphazane P$_4$(N^{t}Bu)$_6$.** Yan X. Shi, Kai Xu , Jack Clegg, Rakesh Ganguly, Hajime Hirao, Tomislav Friscic and Felipe García*. *Angew. Chem. Int. Ed.* **2016** *in press*. DOI: 10.1002/anie.201605936. Hot Paper. *Impact Factor : ~11.7.*
9. **Multi-Step Solvent-Free Mechanochemical Route to Indium(III) Complexes**. Wang Jingyi, Jesús Díaz, Soo Han Sen and Felipe García*. *Dalton Trans., **2016**, 45, 7941 – 7946. DOI: 10.1039/C6DT00978F. Impact Factor: ~4.0.*
10. **Steric C-N bond activation on the dimeric macrocycle [{P(*μ*-NR)$_2$(*μ*-NR)]$_2$.** Xiao Yan Shi, Rong Zheng Liang, Katherine Ann Martin, Daniel Graham Starr, Jesús Díaz, Yongxin Li, Ganguly Rakesh and Felipe García*. *Chem. Commun.*, **2015**, *51*, 16468 – 16471. DOI: 10.1039/C5CC06034F. *Impact Factor: ~6.5.*
11. **Synthesis and hydrolytic studies on the air-stable [(4-CN-PhO)P(E)(*μ*-N^{t}Bu)]2 (E = O, S and Se) cyclodiphosphazanes.** Shi, Xiaoyan; Martin, Katherine; Weston, Nicholas; Gonzalez-Calera, Silvia;

Ganguly, Rakesh; Li, Yongxin; Lu, Yunpeng; Ribeiro, António; Ramos, Maria; Fernandes, Pedro; Garcia, Felipe*. *Inor. Chem.*, **2015**, *54* (13), 6423-6432. DOI:10.1021/acs.inorgchem.5b00735. *Impact Factor: ~4.8.*

12. **Synthesis, structural studies and ligand influence on the stability of aryl-NHC stabilised trimethylaluminium complexes.** Melissa Wu. M, Arran M. Gill, Lu Yunpeng, Laura Falivene, Li Yongxin, Rakesh Ganguly, Luigi Cavallo and Felipe García*. *Dalton Trans.*, **2015**, *44*, 15166-15174. DOI: 10.1039/C5DT00079C. *Impact Factor: ~4.0.*
13. **Switching between halogen- and hydrogen-bonding in stoichiometric variations of a cocrystal of a phosphine oxideof halide ions within homologous inverse coordination hosts; modification of halide-ion selectivity**. Se Ye Oh, Christopher W. Nickels, Felipe Garcia, William Jones and Tomislav Friscic, *CrystEngComm*, **2012**, *14*, 6110-6114. DOI: 10.1039/C2CE25653C. *Impact Factor: ~3.8.*
14. **Confinement of halide ions within homologous inverse coordination hosts; modification of halide-ion selectivity**. Felipe Garcia, Robert J. Less, M. McPartlin, Annette Michalski, Robert E. Mulvey, Vesal Naseri, Matthew L. Stead, Ana M. de Vega and Dominic S. Wright. *J. Chem. Soc. Chem. Commun, **2011***, 1821-1823. DOI: 10.1039/c0cc04483k. *Impact Factor: ~6.5.*
15. **Syntheses and structures of $[Me_2Si\{As(P^tBu)_3\}_2]$ and $[(CyP)_3SiMe_2]$ (Cy = cyclohexyl, C_6H_{11}).** Wesley T.K. Chan, Felipe García, Mary McPartlin, Rebecca L. Melen and Dominic S. Wright, *J. organomet chem*, **2010**, *695*, 1069-1073. DOI: 10.1016/j.jorganchem.2009.12.011. *Impact Factor: ~2.3.*
16. **Mixed Alkylamido Aluminate as a Kinetically Controlled Base.** Hiroshi Naka, James V. Morey, J. Haywood, D. J. Eisler, M. McPartlin, F. García, H. Kudo, Y. Kondo, M. Uchiyama and A. E. H. Wheatley, *J. Am. Chem. Soc.,* **2008**, *130*, 16193–16200. DOI: 10.1021/ja804749y. *Impact Factor: ~13.0.*
17. **Synthesis and structure of the Li_{13} cage $[\{[O{=}P(\mu\text{-}N^tBu)]_2Li_2\}_3(LiCl)_6Li(Cl/O^nBu)_{0.5}(THF)_7]$, containing a $[O{=}P(\mu\text{-}N^tBu)]_2^{2-}$ dianion.** W. T. K. Chan, F. García, S. Gonzalez-Calera, M. McPartlin, J. V. Morey, R. E. Mulvey, S. Singh and D. S. Wright, *J. Chem. Soc. Chem. Commun*., **2008**, 2251-2253. DOI: 10.1039/b800051d. *Impact Factor: ~6.5.*
18. **ORGN 635-Origin of the selectivity in directed ortho alumination of aromatic compounds mediated by TMP-aluminate.** Hiroshi Naka; James V. Morey, Felipe García, Hironaga Kudo, Daisuke, Yoshinori Kondo, Masanobu Uchiyama, Andrew E. H. Wheatley. *Abstracts of papers of the american chemical society*, **2008**, Volume: 235.
19. **Suppressing the anionic Fries rearrangement of aryl dialkylcarbamates; the isolation of a crystalline ortho-deprotonated carbamate.** F. García, M. McPartlin, J. V Morey, D. Nobuto, Y. Kondo, H. Naka, M. Uchiyama and A. E. H. Wheatley, *European Journal of Organic Chemistry,* **2008, *4*,** 644-647**.** DOI: 10.1002/ejoc.200701096. *Impact Factor: ~3.0.*
20. **Direct Synthesis of the 1,2,3-$[C_6H_4P{=}P{=}P]^-$ Anion, Isoelectronic with the Indenyl Anion $[C_6H_4CH{=}CH{=}CH]^-$.** F. García, R. J. Less, V. Naseri, M. McPartlin, J. M. Rawson, M. Sancho Tomas and D. S. Wright, *J. Chem. Soc., Chem. Commun*., **2008**, 859-861. DOI: 10.1039/b718425e. *Impact Factor: ~6.5.*
21. ***π*-Bonding versus Oligomerisation in the Aromatic Anions $[C_6H_4N_2E]^-$ Formation of a Cyclic Tetrameric Tetraanion $[C_6H_4N_2Sb]_4^{4-}$.** F. García, R. J. Less, V. Naseri, M. McPartlin, J. M. Rawson and D. S. Wright, *Dalton Trans.*, **2008**, 997-999. DOI: 10.1039/b718512j. *Impact Factor: ~4.0.*
22. **Effective visible light-active B-doped TiO_2 photocatalysts compared with N-doped TiO_2 and B,N-codoped TiO_2.** S. In, A. Orlov, R. Berg, F. García, S. Pedrosa-Jimenez, M. S. Tikhov, M. S.; D. S. Wright, R. M. Lambert, *J. Am. Chem. Soc.,* **2007**, *129*, 13790. DOI: 10.1021/ja0749237. *Impact Factor: ~13.0.*

23. **Syntheses and Structures of the Heterometallic Complexes [{MeIn(μ-PCy)}$_2$(μ-PCy)]$_2$(Li·Et$_2$O)$_4$, [Me$_2$In(PhMes)$_2$]$^-$[Li(TMEDA)$_2$]$^+$ and [Me$_2$(PHMes)$_2$In]$^-$[K(PMDETA)$_2$]$^+$ [Cy = cyclohexyl, Mes = 2,4,6-Me$_3$C$_6$H$_2$), TMEDA = (Me$_2$NCH$_2$)$_2$, PMDETA = (Me$_2$NCH$_2$CH$_2$)$_2$NMe]**. I. Fanjul, F. García, R. A. Kowenicki, M. E. G. Mosquera, M. McPartlin and D. S. Wright, *Inorg. Chim. Acta*., 2007, *360, 1266*-1273. DOI: 10.1016/j.ica.2005.12.029. *Impact Factor: ~1.9.*
24. **An Unexpected Pathway in the Cage Opening and Aggregation of P$_4$.** W. T. K. Chan, F. García, A. D. Hopkins, L. C. Martin, M. McPartlin and D. S. Wright, *Angew. Chem.*, **2007**, *46*, 3084-3086. DOI: 10.1002/anie.200604267. *Impact Factor: ~11.7.*
25. **Trapping of oligomeric cyclopentadienyl-lithium cation and anion fragments by a V≡V bonded ligand.** C. Fernández, F. García, J.V. Morey, M. McPartlin, S. Singh, A. E. H. Wheatley· D. S. Wright, *Angew. Chem.,* **2007**, *46*, 5425-5427. DOI: 10.1002/anie.200700925. *Impact Factor: ~11.7.*
26. **Formation and Structure of the [1,2-C$_6$H$_4$P$_2$Sb]$_2^{4-}$ Anion; Implications for an Extended Family of Isoelectronic Main Group Radicals.** F. García, R. J. Less, V. Naseri, M. McPartlin, J. M. Rawson, D. S. Wright, *Angew. Chem.*, **2007**, *46,* 7827-7830. DOI: 10.1002/anie.200702603. *Impact Factor: ~11.7.*
27. **Reactions of Sn(NMe$_2$)$_2$ with Alkali Metal Cyclohexyl Phosphides [CyPHM] (Cy = Cyclohexyl, M = alkali metal).** P. Alvarez, F. García, J. P. Hehn, F. Kraus, G. T. Lawson, N. Korber, M.E.G Mosquera, M. McPartlin, D. Moncrieff, C. M. Pask, A. D. Woods and D. S. Wright, *Chem. Eur. J.*, **2007**, 1078-1089. DOI: 10.1002/chem.200600633. *Impact Factor: ~5.7.*
28. **Structural and Theoretical Study of the Selectivity of [MeE(PPh)$_3$Li$_4$] as 'Inverse Ligands' Toward Coordination of Halide Ions (E = Al, Ga, In**). M. J. Duer, F. García, J. M. Goodman, J. P. Hehn, M. McPartlin, R. Stein and D. S. Wright, *Chem. Eur. J.*, **2007**, 12511260. DOI: 10.1002/chem.200600781. *Impact Factor: ~5.7.*
29. **Ansa-tris(allyl) complexes of alkali metals: tripodal analogues of cyclopentadienyl and ansa-metallocene ligands.** R.A Layfield, F. Garcia, J. Hannauer, S. M. Humphrey, *J. Chem. Soc., Chem. Commun.*, **2007**, 50815083. DOI: 10.1039/b712285c. *Impact Factor: ~6.5.*
30. **Pyridyl 'Ring-Flipping' in the Dimers [Me$_2$E(2-py)$_2$]$_2$ (E = Al, Ga; 2-py= 2-pyridyl).** F. García, A. D. Hopkins, R. A. Kowenicki, M. McPartlin, J. Silvia, M. C. Rogers and D. S. Wright, *J. Chem. Soc., Chem. Commun.*, **2007**, 586-588. DOI: 10.1039/b613748b. *Impact Factor: ~6.5.*
31. **Stepwise nucleophilic substitution of manganocene, syntheses and structures of the dimer [CpMn(hpp)]$_2$ and the unusual manganate cage [LiMn(hpp)$_3$]$_2$ (hppH = 1,3,4,6,7,8-hexahydro-2H-pyrimido[1,2,a] pyrimiddfine).** C. Brinkmann, F. García, M. McPartlin, A. E. H. Wheatley and D. S. Wright, *J. Chem. Soc., Dalton Trans*., **2007**, 1570-1572. DOI: 10.1039/b700409e**.** *Impact Factor: ~4.0.*
32. **Encapsulation of hydride by molecular main group metal clusters: manipulating the source and coordination sphere of the interstitial ion.** S. R. Boss, M. P. Coles, V. Eyre-Brook, F. García, R. Haigh, P. B. Hitchcock, M. McPartlin, J. V. Morey, H. Naka, P. R. Raithby, H. A. Sparkes, C. W. Tate and A. E. H. Wheatley, *Dalton Trans.*, **2006**, *5574. Impact Factor: ~4.0.*
33. **Efficient visible light-active N-doped TiO$_2$ photocatalysts by a reproducible and controllable synthetic route.** S. In, A Orlov, F. García, M. Tikhov, D. S. Wright and R.M. Lambert , *Chem. Commun.*, **2006**, 4236-4238. DOI: 10.1039/b610316b. *Impact Factor: ~6.5.*
34. **Efficient synthesis of brominated tetrathiafulvalene (TTF) derivatives.** Antonio Alberola, Rebecca J. Collis, Felipe García and Ruth E. Howard, *Tetrahedron*, **2006**, 8152-8157. DOI: 10.1016/j.tet.2006.06.006.

Impact Factor: ~2.6.

35. **Reactions of $Sn(NMe_2)_2$ with Alkali Metal *t*-Butylphosphides (^tBuPHM; M = Li, Na K); Evidence for Metal-Induced Modification of the Sn(II) Phosphidene Anions.** F. García, J. P. Hehn, R. A. Kowenicki, M. McPartlin, A. Rothenberger, M. L. Stead and D. S. Wright. *Organometallics*, **2006**, *3275*-3281. DOI: 10.1021/om060167m. *Impact Factor: ~4.1.*
36. **Syntheses and Structure of Heterometallic Complexes Containing Tripodal Group 13 Ligands $[RE(2\text{-}py)_3]^-$ (E = Al, In).** F. García, A. D. Hopkins, R. A. Kowenicki, M. McPartlin, M. C. Rogers, J. S. Silvia and D. Wright., *Organometallics,* **2006,** *25(10)*, 2561-2568. DOI: 10.1021/om0600691. *Impact Factor: ~4.1.*
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List of Academic Referees

Felipe García

- **Prof Dominic Wright**
  Personal *Chair in Inorganic Chemistry*
  University of Cambridge
  dsw1000@cam.ac.uk

- **Prof Francois Mathey**
  Professor in Inorganic Chemistry
  President of the French Society of Chemistry from 2000 to 2003.
  He is a member of the French Academy of Sciences and the silver medal recipient of CNRS
  Member of the Chinese Academy of Sciences
  frmathey@yahoo.fr / fmathey@ntu.edu.sg

- **Prof Robert Mulvey**
  1919 Professor of Inorganic Chemistry
  Deputy Head of Department (Research)
  Director of Research
  Director of WestCHEM
  WestCHEM, Department of Pure and Applied Chemistry
  University of Strathclyde
  Glasgow G1 1XL, UK
  r.e.mulvey@strath.ac.uk

- **Prof Dr Koop Lammertsma**
  Chair in organic and organometallic
  Vrije Universiteit Amsterdam
  lammertsma@vu.nl

- **Prof Stuart James**
  Chair in Chemistry
  Queen's University Belfast
  S.James@qub.ac.uk

- **Dr. Peter Looker (Teaching referee)**
  Director of the Teaching and Learning Pedagogy Division
  Nanyang Technological University
  pdlooker@ntu.edu.sg

- **Prof Shunsuke Chiba**
  Head of the Division of Chemistry and Biological Chemistry
  Nanyang Technological University
  Shunsuke@ntu.edu.sg