PUBLICATION LIST - Prof. Cameron Jones (September 2022)

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383. Spotlighting Main Group Elements in Polynuclear Complexes, F. P. Gabbai, C. Jones, C. C. Lu, *Chem. Sci.*, 2021, **12**, 1961-1963.

384. C–N and C–H Activation of an N-Heterocyclic Carbene by Magnesium(II) Hydride and Magnesium(I) Complexes, K. Yuvaraj, A. Carpentier, C. D. Smith, L. Maron, C. Jones, *Inorg. Chem.*, 2021, **60**, 6065-6072.

385. Magnesium Hits Zero, C. Jones, *Nature*, 2021, **592**, 687-688.

386. N-Heterocyclic Carbene, Carbodiphosphorane and Diphosphine Adducts of Beryllium Dihalides: Synthesis, Characterisation and Reduction Studies, A. Paparo, A. J. R. Matthews, C. D. Smith, A. J. Edwards, K. Yuvaraj, C. Jones, *Dalton Trans.*, 2021, **50**, 7604-7609.

387. Bulky Arene-Bridged Bis(amide) and Bis(amidinate) Complexes of Germanium(II) and Tin(II), P. Garg, D. Dange, C. Jones, *Dalton Trans.*, 2021, **50**, 9118-9122.

388. UV Light-Driven Elimination of Chlorine from Germanium and Platinum in a Dinuclear PtII→GeIV Complex, M. Karimi, E. S. Tabei, R. Fayad, M. R. Saber, E. O. Danilov, C. Jones, F. N. Castellano, F. P. Gabbaï, *Angew. Chem. Int. Ed.*, 2021, **60**, 22352-22358.

389. Reductive Coupling of CO with Magnesium Anthracene Complexes: Formation of Magnesium Enediolates, K. Yuvaraj, C. Jones, *Chem. Commun.*, 2021, **57**, 9224-9227.

390. Synthesis and Characterization of Super Bulky β-Diketiminato Group 1 Metal Complexes, D.D.L. Jones, S. Watts, C. Jones, *Inorganics*, 2021, **9**, 72.

391. X-ray Crystal Structures of Carbonate and Hydroxide Bridged Mn^{II}/Mg^{II} Heterobimetallic Complexes Formed by Reduction of CO_2 or H_2O by a Mn^{0}–Mg^{II} Bonded Compound, J. Hicks, M. Juckel, C. Jones, *Main Group Met. Chem.*, 2021, **44**, 250-255.

392. Magnesium(I) Reduction of CO and N_2 Complexes of Cummins' Molybdenum(III) Tris(anilide), $[Mo(L)\{N(Ar')Bu^{t}\}_3]$ (L = CO or N_2; Ar' = 3,5-dimethylphenyl), K. Yuvaraj, A. Paparo, A. J. R. Matthews, C. Jones, *Eur. J. Inorg. Chem.*, 2021, **2021**, 4998-5005.

393. Reduction of *tert*-Butylphosphaalkyne and Trimethylsilylnitrile with Magnesium(I) Dimers, D. W. N. Wilson, D. D. L Jones, C. D. Smith, M. Mehta, C. Jones, J. M. Goicoechea, *Dalton Trans.*, 2022, **51**, 898-903.

394. A NHC-Mediated Metal Free Approach towards a Functionalized Endocyclic Disilene, T. Lainer, D. Dange, M. Pillinger, R. C. Fischer, A.-M. Kelterer, C. Jones, Michael Haas, *ChemistryOpen*, 2022, **11**, e202100240.

395. Extremely Bulky β-Diketiminate Complexes of Calcium(II) and Ytterbium(II), B. Maitland, A. Stasch, C. Jones, *Aust. J. Chem.*, in press.

396. Activation of CO using a 1,2-Disilylene: Facile Synthesis of an Abnormal N-Heterocyclic Silylene, P. Garg, A. Carpentier, I. Douair, D. Dange, Y. Jiang, K. Yuvaraj, L. Maron, C. Jones, *Angew. Chem. Int. Ed.*, 2022, **61**, e20220175.

397. Facile Activation of Inert Small Molecules using a 1,2-Disilylene, P. Garg, D. Dange, Y. Jiang, *Dalton Trans.*, 2022, **51**, 7838-7844.

398. C−H Activation of Inert Arenes using a Photochemically Activated Guanidinato-Magnesium(I) Compound, J. C. Mullins, K. Yuvaraj, Y. Jiang, G. P. Van Trieste III, A. Maity, D. C. Powers, C. Jones, *Chem. Eur. J.*, in press.

399. Reductive Activation of N_2 using a Calcium/Potassium Bimetallic System Supported by an Extremely Bulky Diamide Ligand, R. Mondal, K. Yuvaraj, T. Rajeshkumar, L. Maron, C. Jones, *Chem. Commun.*, submitted.

Invited Lectures

1. "New Directions in Low Coordination Group 15 Chemistry", Chemistry Department, Tohoku University, Sendai, Japan, April 1995.

2. "New Directions in Low Coordination Group 15 Chemistry", Chemistry Department, University of Leeds, February, 1996.

3. "New Directions in Low Coordination Group 15 Chemistry", Chemistry Department, Imperial College of Science, Medicine and Technology, April, 1996.

4. "New Directions in Low Coordination Group 15 Chemistry", Chemistry Department Monash University, Australia, July, 1996

5. "New Directions in Low Coordination Group 15 Chemistry", Chemistry Department University of Western Australia, August 1996.

6. "New Directions in Low Coordination Group 15 Chemistry", Chemistry Department University of Waterloo, Canada, April 1997.

7. RSC Sponsored Lecture - "The Low Coordination Chemistry of Arsenic and Antimony" Chemistry Department, University of Wales, Cardiff, October 1997.

8. "The Low Coordination Chemistry of Arsenic and Antimony", Chemistry Department, Durham University, February, 1998.

9. "The Low Coordination Chemistry of Arsenic and Antimony", Chemistry Department, University of Colorado, Boulder, USA, April, 1998.

10. "The Low Coordination Chemistry of Arsenic and Antimony", Chemistry Department, University of Ohio, Athens, USA, April, 1998.

11. "The Low Coordination Chemistry of Arsenic and Antimony", Chemistry Department, University of Bath, May, 1998.

12. "The Stabilisation of Indium Hydride Complexes" Chemistry Department, Sussex University, February, 1999.

13. "The Stabilisation of Indium Hydride Complexes" Chemistry Department, Exeter University, March, 1999.

14. "The Stabilisation of Indium Hydride Complexes" Chemistry Department, King's College London, March, 1999.

15. "The Stabilisation of Indium Hydride Complexes" Invited lecture at 5th International Anglo/German Meeting on Inorganic Chemistry Sussex University, July, 1999.

16. "The Stabilisation and Reactivity of Indium Hydride Complexes" Chemistry Department, Oxford University, February, 2000.

17. "The Stabilisation and Reactivity of Indium Hydride Complexes" Chemistry Department, Bristol University, March, 2000.

18. "The Stabilisation and Reactivity of Indium Hydride Complexes" Chemistry Department, Southampton University, May, 2000.

19. "The Stabilisation and Reactivity of Indium Hydride Complexes" Chemistry Department, Nottingham University, May, 2000.

20. "The Stabilisation and Reactivity of Indium Hydride Complexes" Chemistry Department, University of Western Australia, July, 2000.

21. "The Stabilisation and Reactivity of Indium Hydride Complexes" Chemistry Department, James Cook University, Townsville, Australia, July, 2000.

22. "The Synthetic Versatility of Phosphavinyl Grignard Reagents" Chemistry Department, University of Münster, Germany, February, 2001.

23. "The Synthetic Versatility of Phosphavinyl Grignard Reagents" Chemistry Department, University of Leipzig, Germany, February, 2001.

24. "The Synthetic Versatility of Phosphavinyl Grignard Reagents" Chemistry Department, UMIST, November, 2001.

25. RSC sponsored lecture - "The Synthetic Versatility of Phosphavinyl Grignard Reagents" Chemistry Department, Cardiff University, December, 2001.

26. "The Synthetic Versatility of Phosphavinyl Grignard Reagents" Chemistry Department, Cambridge University, January, 2002.

27. "The Synthetic Versatility of Phosphavinyl Grignard Reagents" Chemistry Department, Sheffield University, January, 2002.

28. "The Synthetic Versatility of Phosphavinyl Grignard Reagents" Chemistry Department, Leeds University, January, 2002.

29. "The Synthetic Versatility of Phosphavinyl Grignard Reagents" Chemistry Department, Newcastle University, May, 2002.

30. "The Synthetic Versatility of Phosphavinyl Grignard Reagents" Chemistry Department, Monash University, Australia, July, 2002.

31. "Developments in Low Oxidation State Gallium and Indium Chemistry" invited lecture at the RSC meeting on New Strategies in Metal Chemistry. Chemistry Department, Nottingham University, February, 2003.

32. "The Stabilisation and Coordination Chemistry of a Gallium(I) Carbene Analogue" Chemistry Department, Imperial College, March, 2003.

33. "The Stabilisation and Unusual Reactivity of a Gallium(I) N-Heterocyclic Carbene Analogue" invited lecture of the German Chemical Society, Chemistry Department, Leipzig University, Germany, December, 2003.

34. "The Stabilisation and Unusual Reactivity of a Gallium(I) N-Heterocyclic Carbene Analogue" Chemical Engineering Department, University of Applied Sciences, Münster, Germany, December, 2003.

35. RSC sponsored lecture – "Anionic Gallium(I) Heterocycles: Analogies with N-Heterocyclic Carbenes" Chemistry Department, Warwick University, February, 2004.

36. Invited Key Note Speaker at the 16th International Conference on Phosphorus Chemistry, "The Synthetic Versatility of Phosphavinyl Grignard Reagents", Birmingham, UK, July, 2004.

37. Invited Session Lecturer at the 36th International Conference on Coordination Chemistry, "Anionic Gallium(I) Heterocycles: Analogies with N-Heterocyclic Carbenes?", Merida, Mexico, July, 2004.

38. "Anionic Gallium(I) Heterocycles: Analogies with N-Heterocyclic Carbenes?" Research School of Chemistry, Australian National University, August, 2004.

39. "Anionic Gallium(I) Heterocycles: Analogies with N-Heterocyclic Carbenes?" Chemistry Department, Monash University, Australia, August, 2004.

40. "Anionic Gallium(I) Heterocycles: Analogies with N-Heterocyclic Carbenes?" Chemistry Department, University of Adelaide, Australia, August, 2004.

41. "Anionic Gallium(I) Heterocycles: Analogies with N-Heterocyclic Carbenes?" Chemistry Department, University of Western Australia, August, 2004.

42. "Anionic Gallium(I) Heterocycles: Analogies with N-Heterocyclic Carbenes?" Chemistry Department, University of Bath, November, 2004.

43. "Anionic Gallium(I) Heterocycles: Analogies with N-Heterocyclic Carbenes?" Chemistry Department, Stratchclyde University, December, 2004.

44. "Anionic Gallium(I) Heterocycles: Analogies with N-Heterocyclic Carbenes?" Chemistry Department, Oxford University, February, 2005.

45. "Anionic Gallium(I) Heterocycles: Analogies with N-Heterocyclic Carbenes?" Chemistry Department, St. Andrews University, May 2005.

46. "Anionic Gallium(I) Heterocycles: Analogies with N-Heterocyclic Carbenes?" Invited lecture of the German Chemical Society, University of Münster, May 2005.

47. "Anionic Group 13 Metal(I) Heterocycles: Analogies with N-Heterocyclic Carbenes?" University of Manchester, November, 2005.

48. "Group 13 Metal(I) Heterocycles: Analogies with N-Heterocyclic Carbenes?" Texas Christian University, December, 2005.

49. "Group 13 Metal(I) Heterocycles: Analogies with N-Heterocyclic Carbenes?" University of Texas at Austin, December, 2005.

50. "Group 13 Metal(I) Heterocycles: Analogies with N-Heterocyclic Carbenes?" University of California at Davis, December, 2005.

51. "Triphosphabenzene and Triphosphacyclohexadienyl Complexes: Useful Precursors in Phosphaorganometallic Synthesis and Phosphinidene Transfer Reactions", invited session lecture, Pacifichem 2005, Hawaii, December 2005.

52. "Group 13 Metal(I) Heterocycles: Analogies with N-Heterocyclic Carbenes?" Reading University, February, 2006.

53. "Group 13 Metal(I) Heterocycles: Metal Donor Lewis Bases and N-Heterocyclic Carbene Analogues", Bristol Main Group Chemistry Symposium, July, 2006

54. "Group 13 Metal(I) Heterocycles: Metal Donor Lewis Bases and N-heterocyclic Carbene Analogues", Bochum University, Germany, November, 2006

55. "Aspects of Low Oxidation State Main Group Chemistry" Invited Plenary Lecture at the Royal Australian Chemical Institute's IC07 Conference, Hobart, February, 2007.

56. "Group 13 Metal(I) Heterocycles: Metal Donor Lewis Bases and N-heterocyclic Carbene Analogues", Melbourne University, Melbourne, April, 2007.

57. "Stabilisation and Reactivity Studies of Low Oxidation State Metal Heterocycles", University of California, Davis, June, 2007.

58. "Group 13 Metal(I) Heterocycles: Metal Donor Lewis Bases and N-heterocyclic Carbene Analogues", Texas A and M, College Station, Texas, June, 2007.

59. "Group 13 Metal(I) Heterocycles: Metal Donor Lewis Bases and N-heterocyclic Carbene Analogues", Invited Plenary Lecture, RSC Main Group Interest Group meeting, Bristol, July, 2007.

60. "Group 13 Metal(I) Heterocycles: Metal Donor Lewis Bases and N-heterocyclic Carbene Analogues", Los Alamos National Laboratory, New Mexico, July, 2007.

61. "Stabilisation and Reactivity Studies of Low Oxidation State Metal Heterocycles", Texas Christian University, July, 2007.

62. "Stabilisation and Reactivity Studies of Low Oxidation State Metal Heterocycles", University of Texas, Austin, July, 2007.

63. "Group 13 Metal(I) Heterocycles: Metal Donor Lewis Bases and N-heterocyclic Carbene Analogues", University of New South Wales, October, 2007.

64. "Low Oxidation State Metallocycles: Stabilization and Reactivity Studies", Invited Lecture, Main Group Chemistry Symposium, Notthingham University, October, 2007.

65. "Low Oxidation State Metallocycles: Stabilization and Reactivity Studies", Oxford University, October, 2007.

66. "Group 13 Metal(I) Heterocycles: Metal Donor Lewis Bases and N-heterocyclic Carbene Analogues", University of Texas at Arlington, November, 2007.

67. "Low Oxidation State Metallocycles: Stabilization and Reactivity Studies", Invited Plenary Lecture, Heavier Heterocycles and Heteroatoms Conference, Cancun, Mexico, February, 2008.

68. "Bulky Guanidinates: New Ligands for the Stabilisation of Very Low Oxidation State Metallacycles" School of Chemistry, Southern Methodist University, Texas, March, 2008.

69. "Bulky Guanidinates: New Ligands for the Stabilisation of Very Low Oxidation State Metallacycles" School of Chemistry, Texas Christian University, Texas, March, 2008.

70. "Bulky Guanidinates: New Ligands for the Stabilisation of Very Low Oxidation State Metallacycles" CSIRO Division of Health and Molecular Technologies, Melbourne, March, 2008.

71. "Bulky Guanidinates: New Ligands for the Stabilisation of Very Low Oxidation State Metallacycles" School of Chemistry, Monash University, April, 2008.

72. "Synthesis and Structural Characterisation of Group 10 Metal(II) Gallyl Complexes: Analogies with Platinum Diboration Catalysts?", Invited Session Lecture, Dalton Discussion 11: The Renaisance of Main Group Chemistry, University of California, Berkely, June, 2008.

73. "Bulky Guanidinates: Alternatives to β-Diketiminates for the Stabilisation of low Oxidation State Metallacycles", Invited Session Lecture, International Conference on Organometallic Chemistry, Rennes, France, July, 2008.

74. "The Remarkable Chemistry of Magnesium(I) Compounds", Invited Lecture, ACS National Meeting, Salt Lake City, USA, March, 2009.

75. Group 2 Metal(I) Heterocycles: Stabilisation, Verification and Application. Department of Chemistry, University of Sydney, April, 2009.

76. "Bulky Guanidinates: Analogues of β-Diketiminates for the Stabilisation of low Oxidation State Metallacycles", Department of Chemistry, La Trobe University, June, 2009.

77. "Bulky Guanidinates: Analogues of β-Diketiminates for the Stabilisation of low Oxidation State Metallacycles", Department of Chemistry, University of Western Australia, June, 2009.

78. "Bulky Guanidinates: New Ligands for the Stabilisation of Very Low Oxidation State Metallacycles", Invited Session Lecture, 9th International Conference on Heteroatom Chemistry, Oviedo, Spain, July, 2009.

79. "Bulky Guanidinates: Analogues of β-Diketiminates for the Stabilisation of low Oxidation State Metallacycles", Invited lecture of the German Chemical Society, Department of Chemistry, University of Freiburg, Germany, July, 2009.

80. "Bulky Guanidinates and Related Ligands for the Stabilisation of Metal(I) Heterocycles", Department of Chemistry, Oxford University, September, 2009.

81. "Bulky Guanidinates and Related Ligands for the Stabilisation of Metal(I) Heterocycles", Invited Humboldt Prize Lecture, Department of Chemistry, Technische Universtität, Berlin, Germany, September, 2009.

82. "Bulky Guanidinates and Related Ligands for the Stabilisation of Metal(I) Heterocycles", Department of Chemistry, Essen University, Germany, September, 2009.

83. "Bulky Guanidinates and Related Ligands for the Stabilisation of Metal(I) Heterocycles", Institute for Inorganic Chemistry, University of Bonn, Germany, September, 2009.

84. "Bulky Guanidinates and Related Ligands for the Stabilisation of Metal(I) Heterocycles", Institute for Inorganic Chemistry, University of Göttingen, Germany, October, 2009.

85. "Bulky Guanidinates and Related Ligands for the Stabilisation of Metal(I) Heterocycles", Institute for Inorganic Chemistry, University of Regensberg, Germany, October, 2009.

86. "Bulky Guanidinates and Related Ligands for the Stabilisation of Metal(I) Heterocycles", Invited Lecture of the German Chemical Society, Institute for Inorganic Chemistry, University of Kahlsruhe, Germany, October, 2009.

87. "Molecular Magnesium(I) Compounds: From Chemical Landmarks to Versatile Reagents", Invited lecture of the German Chemical Society, Department of Chemistry, Münster Universty, Germany, April, 2010.

88. "Molecular Magnesium(I) Compounds: From Chemical Landmarks to Versatile Reagents", Invited lecture of the German Chemical Society, Department of Chemistry, Marburg Universty, Germany, April, 2010.

89. "Molecular Magnesium(I) Compounds: From Chemical Landmarks to Versatile Reagents", Invited lecture for the special symposium "Commemoration of the founding of the ACS journal Organometallics", ACS National Meeting, Boston, August, 2010.

90. "Molecular Magnesium(I) Compounds: From Chemical Landmarks to Bespoke Reagents for Synthesis", Invited Windows on Science lecture at the US Air Force Office of Scientific Research contactors review meeting, Washington DC, September, 2010.

91. "Molecular Magnesium(I) Compounds: From Chemical Landmarks to Versatile Reagents", Invited session lecture, Pacifichem, Hawaii, Dcember, 2010.

92. "Group 2 and 13 Metal(I) Heterocycles: Fundamentally Appealing yet Functional Compounds", Invited session lecture, Pacifichem, Hawaii, December, 2010.

93. "Molecular Magnesium(I) Compounds: "Bespoke" Reducing Agents for the Synthetic Chemist", UC Davis, Department of Chemistry, USA, June, 2011.

94. "Molecular Magnesium(I) Compounds: "Bespoke" Reducing Agents for the Synthetic Chemist", Invited Keynote Session lecture, Canadian Society of Chemistry, National Meeting, Montreal, Canada, June, 2011.

95. "Molecular Magnesium(I) Compounds: "Bespoke" Reducing Agents for the Synthetic Chemist", Invited lecture of the Unifying Concepts in Catalysis Excellence Cluster, TU Berlin, Germany, June, 2011.

96. "Molecular Magnesium(I) Compounds: "Bespoke" Reducing Agents for the Synthetic Chemist", Nanyang Technological University, Department of Chemistry, Singapore, June, 2011.

97. "New Routes to Low Oxidation State p-Block Complexes: Magnesium(I) Dimers as Bespoke Reducing Agents", Invited session lecture, 43rd World IUPAC Congress, San Juan, Puerto Rico, August, 2011.

98. "Molecular Magnesium(I) Compounds: "Bespoke" Reducing Agents for the Synthetic Chemist", Department of Chemistry, Würzburg University, Germany, October, 2011.

99. "Molecular Magnesium(I) Compounds: "Bespoke" Reducing Agents for the Synthetic Chemist", Department of Chemistry, Marburg University, Germany, October, 2011.

100. "Molecular Magnesium(I) Compounds: "Bespoke" Reducing Agents for the Synthetic Chemist", Department of Chemistry, Heidelberg University, Germany, October, 2011.

101. "Modern Main Group Chemistry: From Fundamental Advances to Functional Molecules" RACI Burrows Award Lecture, IC11, University of Western Australia, December, 2011.

102. "Molecular Magnesium(I) Compounds: "Bespoke" Reducing Agents for the Synthetic Chemist", Invited Plenary Lecture, RSC Dalton Division Joint Interest Group Conference, Warwick University, UK, April, 2012.

103. "Accessing the Inaccessible: Magnesium(I) Compounds as Specialist Reducing Agents for the Synthetic Chemist", Invited Plenary Lecture, IRIS13, Victoria, British Columbia, Canada, August, 2012.

104. "Accessing the Inaccessible: Magnesium(I) Compounds as Specialist Reducing Agents for the Synthetic Chemist", Chemistry Department, University of Alberta, Edmonton, Canada, August, 2012.

105. "Accessing the Inaccessible: Magnesium(I) Compounds as Specialist Reducing Agents for the Synthetic Chemist", Chemistry Department, University of Calgary, Canada, August, 2012.

106. "Accessing the Inaccessible: Magnesium(I) Compounds as Specialist Reducing Agents for the Organometallic Chemist", Invited Keynote Lecture, ICOMC, Lisbon, Portugal, September, 2012.

107. "Accessing the Inaccessible: Magnesium(I) Compounds as Specialist Reducing Agents for the Organometallic Chemist", Invited Plenary Lecture, RSC Main Group Interest Group Meeting, London, UK, September, 2012.

108. "The Stabilization and Transition Metal-Like Reactivity of Low Oxidation State Group 14 Metal Complexes", Invited Plenary Lecture, 14th International Conference on the Coordination and Organometallic Chemistry of Germanium, Tin and Lead, Baddeck, Canada, July, 2013.

109. "The Stabilization and Transition Metal-Like Reactivity of Low Oxidation State Group 14 Metal Complexes", Chemistry Department, Manchester University, UK, October, 2013.

110. "The Stabilization and Transition Metal-Like Reactivity of Low Oxidation State Group 14 Metal Complexes", Chemistry Department, Oxford University, UK, December, 2013.

111. "The Stabilization and Transition Metal-Like Reactivity of Low Oxidation State Group 14 Metal Complexes", Chemistry Department, University of Bath, UK, December, 2013.

112. "The Stabilization and Transition Metal-Like Reactivity of Low Oxidation State Group 14 Metal Complexes", Chemistry Department, Friedrich Alexander University Erlangen, Germany, December, 2013.

113. "The Stabilization and Transition Metal-Like Reactivity of Low Oxidation State Group 14 Metal Complexes", Chemistry Department, Flinders University, Adelaide, March, 2014.

114. "The Stabilization and Transition Metal-Like Reactivity of Low Oxidation State Group 14 Metal Complexes", Chemistry Department, University of Queensland, March, 2014.

115. "The Stabilization and Transition Metal-Like Reactivity of Low Oxidation State Group 14 Metal Complexes", Research School of Chemistry, Australian National University, April, 2014.

116. "The Stabilization and Transition Metal-Like Reactivity of Low Oxidation State Group 14 Metal Complexes", Invited Lecture, International Conference on Coordination Chemistry, Singapore, July, 2014.

117. "New Routes to Low Oxidation State Si/Ge/Sn Compounds: Useful Reagents for Chemical Synthesis". Invited Lecture 17th International Symposium on Silicon Chemistry, Berlin, August, 2014.

118. "Super Bulky Amides: New Ligands for the Stabilisation of Low-Valent Main Group Complexes", RSC Frankland Award Plenary Lecture, Mike Lappert Memorial Symposium, Burlington House, London, April, 2015.

119. "Super Bulky Amides: New Ligands for the Stabilisation of Low-Valent Main Group Complexes", RSC Frankland Award Lecture, Edinburgh University, April, 2015.

120. "Super Bulky Amides: New Ligands for the Stabilisation of Low-Valent Main Group Complexes", RSC Frankland Award Lecture, University of Sussex, April, 2015.

121. "Super Bulky Amides: New Ligands for the Stabilisation of Low-Valent Main Group Complexes", RSC Frankland Award Lecture, Nottingham University, April, 2015.

122. "Super Bulky Amides: New Ligands for the Stabilisation of Low-Valent Main Group Complexes", Invited Keynote Lecture, IRIS-14 conference, Regensburg, Germany, July, 2015.

123. "Super Bulky Amides: New Ligands for the Stabilisation of Low-Valent Main Group Complexes", Chinese University of Hong Kong, Hong Kong, October, 2015.

124. "New Routes to Low Oxidation State Silicon Compounds: Useful Reagents for Chemical Synthesis". Invited Keynote Lecture, ASIS-5 conference, Jeju, South Korea, October, 2015.

125. "The Stabilization and Transition Metal-Like Reactivity of Low Oxidation State/Low Coordination Number p-Block Complexes", Invited Session Lecture, Pacifichem, Honolulu, USA, December 2015.

126. "Magnesium(I) Compounds: Bespoke Reagents for the Synthesis of Low-Coordinate Metal-Metal Bonded Complexes", Invited Session Lecture, Pacifichem, Honolulu, USA, December 2015.

127. "The Stabilization and Transition Metal-Like Reactivity of Low Oxidation State/Low Coordination Number s- and p-Block Complexes", Invited Session Lecture, Cotton Award Symposium in Honour of Francois Gabbai, ACS National Meeting, San Diego, USA, March 2016.

128. "The Stabilization and Transition Metal-Like Reactivity of Low Oxidation State/Low Coordination Number s- and p-Block Complexes", Invited Lecture, 2nd International Small Molecule Activation Conference, Cancun, Mexico, May 2016.

129. "The Stabilization and Transition Metal-Like Reactivity of Low Oxidation State/Low Coordination Number Group 14 Complexes", Invited Lecture, ICOMC, Melbourne, July, 2016.

130. "The Stabilization and Transition Metal-Like Reactivity of Low Oxidation State/Low Coordination Main Group Complexes", RSC Australasian Lectureship, University of Melbourne, August, 2016.

131. "The Stabilization and Transition Metal-Like Reactivity of Low Oxidation State/Low Coordination Group 14 Complexes", Invited Plenary Lecture, International Conference on Germanium, Tin and Lead, Pardubice, Czech Republic, August, 2016.

132. "The Stabilization and Transition Metal-Like Reactivity of Low Oxidation State/Low Coordination Main Group Complexes", ETH, Zurich, Switzerland, September, 2016.

133. "The Stabilization and Transition Metal-Like Reactivity of Low Oxidation State/Low Coordination Main Group Complexes", Oxford University, UK, September, 2016.

134. "The Stabilization and Transition Metal-Like Reactivity of Low Oxidation State/Low Coordination Main Group Complexes", RSC Australasian Lectureship, University of Tasmania, October, 2016.

135. "The Stabilization and Transition Metal-Like Reactivity of Low Oxidation State/Low Coordination Main Group Complexes", RSC Australasian Lectureship, University of Auckland, NZ, December, 2016.

136. "The Stabilization and Transition Metal-Like Reactivity of Low Oxidation State/Low Coordination Main Group Complexes", RSC Australasian Lectureship, Victoria University, Wellington, NZ, December, 2016.

137. "The Stabilization and Transition Metal-Like Reactivity of Low Oxidation State/Low Coordination Main Group Complexes", RSC Australasian Lectureship, Canterbury University, Christchurch, NZ, December, 2016.

138. "The Stabilization and Transition Metal-Like Reactivity of Low Oxidation State/Low Coordination Main Group Complexes", RSC Australasian Lectureship, Otago University, Dunedin, NZ, December, 2016.

139. "The Stabilization and Transition Metal-Like Reactivity of Low Oxidation State/Low Coordination Main Group Complexes", RSC Australasian Lectureship, Macquarie University, Sydney, March, 2017.

140. "The Stabilization and Transition Metal-Like Reactivity of Low Oxidation State/Low Coordination Main Group Complexes", RSC Australasian Lectureship, Curtin University, Perth, March, 2017.

141. "The Stabilization and Transition Metal-Like Reactivity of Low Oxidation State/Low Coordination Main Group Complexes", RSC Australasian Lectureship, University of Western Australia, Perth, March, 2017.

142. "The Stabilization and Transition Metal-Like Reactivity of Low Oxidation State/Low Coordination Main Group Complexes", RSC Australasian Lectureship, Griffith University, Gold Coast, March, 2017.

143. "The Stabilization and Transition Metal-Like Reactivity of Low Oxidation State/Low Coordination Main Group Complexes", RSC Australasian Lectureship, University of Adelaide, March, 2017.

144. "Super Bulky Amides: New Ligands for the Stabilisation of Synthetically Applicable Low-Valent Main Group Complexes", Plenary Lecture, RSC ISACS: Challenges in Inorganic Chemistry, Conference, University of Manchester, April, 2017.

145. "Super Bulky Amides: New Ligands for the Stabilisation of Synthetically Applicable Low-Valent Main Group Complexes" Acceptance lecture for the RL Martin Distinguished Chair in Chemistry, Monash University, April, 2017.

146. "Modern Main Group Chemistry: From Fundamental Advances to Functional Molecules" Acceptance lecture for Fellowship of the Australian Academy of Science, Shine Dome, ANU, Canberra, May, 2017.

147. "Super Bulky Amides: New Ligands for the Stabilisation of Synthetically Applicable Low-Valent Main Group Complexes", Plenary Lecture, ICHAC-12 Conference, University of British Columbia, Vancouver, Canada, June, 2017.

148. "Modern Main Group Chemistry: From Fundamental Advances to Functional Molecules" invited lecture for the Victorian division of the Australian Academy of Science, University of Melbourne, July, 2017.

149. "Super Bulky Amides: New Ligands for the Stabilisation of Synthetically Applicable Low-Valent Main Group Complexes", School of Chemistry, University of Queensland, November, 2017.

150. "Super Bulky Amides: New Ligands for the Stabilisation of Synthetically Applicable Low-Valent Main Group Complexes", School of Chemistry, Stellenbosch University, South Africa, March, 2018.

151. "Magnesium(I) Dimers 10 Years on: Universal Reductants for the Synthetic Chemist?" Plenary Lecture, IRIS-15 conference, Kyoto, Japan, June, 2018.

152. "Magnesium(I) Dimers 10 Years on: Universal Reductants for the Synthetic Chemist?" Invited Lecture, 2nd International Symposium of New Molecules and Clusters, Shanghai, China, August, 2018.

153. "Magnesium(I) Dimers 10 Years on: Universal Reductants for the Synthetic Chemist?" Plenary Lecture, Wöhler GDCh conference, Regensburg, Germany, September, 2018.

154. "Super Bulky Amides: New Ligands for the Stabilisation of Synthetically Applicable Low-Valent Main Group Complexes", School of Chemistry, Regensburg University, Germany, October, 2018.

155. "Magnesium(I) Dimers 10 Years on: Universal Reductants for the Synthetic Chemist?" Aachen University, Germany, October, 2018.

156. "Magnesium(I) Dimers 10 Years on: Universal Reductants for the Synthetic Chemist?" Technische University, Berlin, Germany, October, 2018.

157. "Polymers Incorporating Low-Valent/Low-Coordination Number Main Group Centres: Novel, Multi-Functional Materials", USAF/AFOSR Organic Materials Chemistry Program Review, Wright-Patterson Air Force Base, Dayton, Ohio, June, 2019.

158. "Stable yet Highly Reactive Low Oxidation State Group 14 Complexes: Powerful Reagents for Catalysis and Small Molecule Activations", Invited Lecture, International Conference on Ge, Sn and Sb, University of Saitama, Japan, September, 2019.

159. "Magnesium(I) Dimers: Universal Reductants for the Synthetic/Catalytic Chemist?" Air Force Research Laboratory, Edwards Air Force Base, California, USA, September, 2019.

160. "Magnesium(I) Dimers: Universal Reductants for the Synthetic/Catalytic Chemist?" University of Virginia, Charlottesville, Virginia, USA, October, 2019.

161. "Magnesium(I) Dimers: Universal Reductants for the Synthetic/Catalytic Chemist?" Texas A and M University, College Station, Texas, USA, October, 2019.

162. "Magnesium(I) Dimers: Universal Reductants for the Synthetic/Catalytic Chemist?" University of North Texas, Denton, Texas, USA, November, 2019.

163. "Magnesium(I) Dimers: Universal Reductants for the Synthetic/Catalytic Chemist?" Baylor Unversity, Waco, Texas, USA, November, 2019.

164. "Magnesium(I) Dimers: Universal Reductants for the Synthetic/Catalytic Chemist?" MIT/Harvard joint seminar series, Boston, MA, USA, November, 2019.

165. "Highly Activated Magnesium(I) Compounds: Powerful Reagents for Small Molecule Activations" Plenary Lecture, 19th Cardiff Chemistry Conference, Cardiff, UK, October, 2021.

166. "Highly Activated Magnesium(I) Compounds: Powerful Reagents for Small Molecule Activations" Nankai University, Nanjing, China, November, 2021.

167. "Highly Activated Magnesium(I) Compounds: Powerful Reagents for Small Molecule Activations" Plenary Lecture, International MMM-II conference, NISER Bhubaneswar, India December, 2021.

168. "Highly Activated Magnesium(I) Compounds: Powerful Reagents for Small Molecule Activations", Australian National University, May, 2021.