

PUBLICATIONS – refereed journals

At Heriot-Watt – Independent Career

19. M. Veguillas, G. M. Rosair, **M. W. P. Bebbington** and A-L. Lee, “Silver Effect in Regiodivergent Gold-Catalyzed Hydroaminations”, *ACS Catal.*, **2019**, 9, 2552–2557.
18. S. W. Crane, O. Ghafur, T. Y. Cowie, A. G. Lindsay, J. O. F. Thompson, J. B. Greenwood, **M. W. P. Bebbington** and D. Townsend, “Dynamics of electronically excited states in the eumelanin building block 5,6-dihydroxyindole”, *Phys.Chem.Chem.Phys.*, **2019**, 21, 8152-60.
17. **M. W. P. Bebbington**, “Natural Product Analogues: towards a blueprint for analogue-focused synthesis” *Chem. Soc. Rev.* **2017**, 46, 5059-5109.
16. T. Y. Cowie, M. Veguillas, R. L. Rae, M. Rougé, J. M. Žurek, A. W. Prentice, M. J. Paterson and **M. W. P. Bebbington**, “Intramolecular nitrofurans Diels-Alder reactions: extremely substituent-tolerant cycloadditions via asynchronous transition states”, *J. Org. Chem.* **2017**, 82, 6656-6670.
15. T. Cowie, L. Kennedy, J. M. Žurek, M. J. Paterson and **M. W. P. Bebbington**
“Crossed
McMurry coupling reactions for porphycenic macrocycles: selectivity and rationalization”, *Eur. J. Org. Chem.*, **2015**, 3818-3823.
14. M. C. M. Higginbotham, A. Troester, A. G. Lindsay, L. C. Kennedy and **M. W. P. Bebbington**, “Gold(I)-catalyzed synthesis of cyclic sulfamidates: current scope, stereochemistry and competing cycloisomerization” , *Tetrahedron*, **2015**, 71, 727-737.
13. J. M. Žurek, R. L. Rae, M. J. Paterson and **M. W. P. Bebbington**, “Unusual structure-energy correlations in intramolecular Diels-Alder Transition States”, Invited special issue on cycloaddition chemistry, *Molecules*, **2014**, 19, 15535-15545.
12. R. L. Rae, J. M. Žurek, M. J. Paterson and **M. W. P. Bebbington**, “Halogenation Effects in Intramolecular furan Diels-Alder reactions: broad scope synthetic and computational studies” *Org. Biomol. Chem.*, **2013**, 11, 7946-7952.
11. M. Higginbotham and **M. W. P. Bebbington**, “Gold(I)-catalysed synthesis of cyclic sulfamidates by intramolecular allene hydroamination” *Chem. Commun.*, **2012**, 7565-7567.
10. C. J. Waring, P. A. J. Bagot, **M. W. P. Bebbington**, M. Buck, M. T. Räisänen, M. L. Costen and K. G. McKendrick, “How Penetrable are Thioalkyl Self-Assembled Monolayers?” *J. Phys. Chem. Lett.*, **2010**, 1, 1917-1921.

From Postdoctoral period

9. **M. W. P. Bebbington**, S. Bontemps, G. Bouhadir, M. J. Hanton, R. P. Tooze, H. van Rensburg and D. Bourissou, "A 1,1'-ferrocenylphosphine-borane: synthesis, structure and evaluation in Rh-catalyzed hydroformylation" *New J. Chem.*, **2010**, 34, 1556-1559.
8. **M. W. P. Bebbington** and D. Bourissou, "Stabilized phosphazides" *Coord. Chem. Rev.*, **2009**, 253, 1248-1261.
7. T. W. Hudnall, T. W.; Y. Kim, **M. W. P. Bebbington**, D. Bourissou and F. P. Gabbai, "Fluoride Ion Chelation by a Bidentate Phosphonium/Borane Lewis Acid" *J. Am. Chem. Soc.*, **2008**, 130, 10890-10891.
6. **M. W. P. Bebbington**, G. Bouhadir and D. Bourissou, "Ambiphilic Compounds: Synthesis and Structure of a Phosphane-Borane with a Flexible Diphenyl Ether Tether" *Eur. J. Org. Chem.*, **2007**, 4483-4486.
5. **M. W. P. Bebbington**, S. Bontemps, G. Bouhadir, D. Bourissou, "Photisomerizable Heterodienes Derived from a Phosphine-Borane" *Angew. Chem. Int. Ed. Engl.*, **2007**, 46, 3333-3336.
4. J. E. Kropf, I. C. Meigh, **M. W. P. Bebbington** and S. M. Weinreb, "Studies on a Total Synthesis of the microbial Immunosuppressive agent FR901483" *J. Org. Chem.*, **2006**, 71, 2046-2055.

From Graduate Study

3. D. M. Hodgson, **M. W. P. Bebbington** and P. Willis, "Development of two processes for the synthesis of bridged azabicyclic systems: intermolecular radical addition-homoallylic rearrangements leading to 2-azanorborn-5-enes and neophyl-type radical rearrangements to 2-azabenzonorbornenes", *Org. Biomol. Chem.*, **2003**, 1, 3787-3798.
2. D. M. Hodgson, **M. W. P. Bebbington** and P. Willis, "2-Azabenzonorbornanes from 7-Azanorbornanols by a Nitrogen-Directed Neophyl-Type Radical Rearrangement" *Org. Lett.*, **2002**, 4, 4353-4356.
1. D. M. Hodgson, **M. W. P. Bebbington** and P. Willis, "2-Azabicyclo[2.2.1]hept-5-enes from 7-azabicyclo[2.2.1]heptadienes by tandem intermolecular radical addition – homoallylic radical rearrangement" *Chem. Commun.*, **2001**, 889-890.