Dr Rebecca Lucy Melen: Full Publications List

Summary of Publications
Total number of publications: 56
Publications since joining Cardiff (3 years): 27
Number of publications as corresponding author: 33
h – index: 13 (Web of Science)

Notes:
• For reasons of policy, some of the author lists are in alphabetical order and the primary researcher(s) associated with each paper is (are) underlined
• Independent publications as corresponding author are indicated with an asterisk (*)
• All publications are in highly respected journals in the field (Q1) and are indicated by their impact factor in the list below.

Refereed Journal Articles

Impact factor: 11.709

Impact factor: 2.151


Impact factor: 4.117


Impact factor: 2.441
Times cited: 1


Impact factor: 4.820
Times cited: 0


Impact factor: 4.820
Times cited: 6


Impact factor: 4.117
Times cited: 2


Impact factor: 5.771
Times cited: 3
Times cited: 3

Times cited: 5

Times cited: 9

Times cited: 12

Times cited: 9

Times cited: 17

Times cited: 14

Times cited: 1

Times cited: 3


Times cited: 26

Times cited: 9

Impact factor: 1.558

Times cited: 1


Impact factor: 6.567

Times cited: 17


Impact factor: 6.567

Times cited: 40


Impact factor: 13.038

Times cited: 27


Impact factor: 4.117

Times cited: 6


Impact factor: 5.771

Times cited: 30


Impact factor: 4.117

Times cited: 5

Impact factor: 4.117  
Times cited: 8


Impact factor: 4.117  
Times cited: 1


Impact factor: 12.994  
Times cited: 2


Impact factor: 2.011  
Times cited: 5


Impact factor: 3.289  
Times cited: 49


Impact factor: 4.186  
Times cited: 14


Impact factor: 9.144  
Times cited: 58

Impact factor: 6.567

Times cited: 44


Impact factor: 4.117

Times cited: 6

10. Less, R.J., Melen, R.L., Wright, D.S. “Group 2 (Be-Ba) and Group 12 (Zn-Hg)”, *Organomet. Chem.*, 2011, 37, 100.


Impact factor: 5.771

Times cited: 17

8. Chan, W.T.K., Garcia, F., McPartlin, M., Melen, R.L., Wright*, D.S. “Syntheses and structures of [\( \text{Me}_2\text{Si}\{\text{As(P}^\text{Bu})_3\text{}\}_2 \) and [(CyP)_3SiMe\(_2\) (Cy = cyclohexyl, C\(_6\)H\(_{11}\))]”, *J. Organomet. Chem.*, 2010, 695, 1069 (*invited article*).

Impact factor: 2.173

Times cited: 2


Impact factor: 6.567

Times cited: 37


Impact factor: 6.567

Times cited: 11

Other articles (not peer reviewed)


Impact factor: 4.117.


Impact factor: 38.138.
Invited Lectures and Contributions to Scientific Meetings
My significant contributions to the field of inorganic chemistry have been reflected in a series of talks (69). Notable presentations include invited lectures at the Organometallic Gordon Research Conference (2018), Canadian Society for Chemistry Conference (2014, 2015, 2017, 2018), Dalton Meeting (2014, award winner) and the Clara Immerwahr Award Lecture (2016) as well as invited departmental seminars in the UK, Canada and Germany.

Oral communications:


65. Melen, R. L., “BCF and Beyond: Modern Advances in Borylation Chemistry and Boron Catalysis”, Invited lecture, 12th January 2018, Queen Mary University of London, UK.

64. Melen, R. L., “BCF and Beyond: Modern Advances in Borylation Chemistry and Boron Catalysis”, Invited lecture, 29th November 2017, University College London, UK.

63. Melen, R. L., High Achievers Dinner, Keynote speaker, Trent College, UK.


57. Melen, R. L., “Tris(pentafluorophenyl)borane and Beyond: Modern Advances in Borylation Reactions”, Invited lecture, 21st March 2017, RWTH Aachen University, Germany.


40. Melen, R. L., "Reactivity of perfluoroaryl boranes with π-bonds: Carboboration and Rearrangement", 13th January 2016, University of Southampton, RSC Organic Division South-West Regional Meeting.


Acid/Base Pair Chemistry in Molecular Transformations, Catalysis and Energy Storage symposium, 15th-20th December 2015, Honolulu, Hawaii, USA.


32. Melen, R. L., "Recent Developments in the Activation of π-bonds by Lewis Acidic Boranes", invited lecture, 26th June 2015, Brock University, St. Catharines, Canada.


30. Melen, R. L., "Recent Developments in the Activation of π-bonds by Lewis Acidic Boranes", invited lecture, 19th June 2015, McGill University, Montreal, Canada.


Poster presentations:

7. Yin, Q., Soltani, Y., Melen,* R. L., Oestreich,* M. “BArF₃-Catalyzed Imine Hydroboration with Pinacolborane Not Requiring the Assistance of an Additional Lewis Base”, UniCat’s and BIG-NSE’s 10th anniversary symposium, 12th-14th July 2017, Berlin, Germany.


Other conferences attended:


6. CEMWOQ-2, 2nd Crystal Engineering and Emerging Materials Workshop of Ontario and Quebec, 11th-12th June 2015, University of Guelph, Canada.
5. Selected to attend the 42nd Symposium for Research Award Winners of the Alexander von Humboldt Foundation, March 2014, Bamberg, Germany.

4. Heidelberg Forum for Molecular Catalysis, June 2013, University of Heidelberg, Germany.

3. Selected to attend the 63rd Lindau Nobel Laureate Meeting in Chemistry, July 2013, Lindau, Germany.

2. AGICHEM: Anglo-German inorganic chemistry conference, September 2011, University of Heidelberg, Germany.

1. Pacifichem, December 2010, Honolulu, Hawaii, USA.

Dr Rebecca L. Melen