

• PUBLICATIONS

Total 131 publications. Independent publications are listed below:

131. Richardson, S., Babaahmadi, R., Edwards, L.E., Ali, R., **Melen, R.L.**, Roy,* D., Wirth,* T., "Raman study of intermediates formed during the electrochemical *N*-nitrosation of secondary amines", *Chemistry Methods*, accepted.
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125. Guerzoni, M.G., van Ingen, Y., Babaahmadi, R., Wirth, T., Richards,* E., **Melen,* R.L.**, "An unforgotten classic: the nitro-Mannich reaction between nitrones and silyl nitronates catalysed by B(C₆F₅)₃", *Chem. Sci.*, 2024, **15**, 2648.
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124. Alotaibi, N., Babaahmadi, R., Pramanik, M., Das, M., Kariuki, B.M., Richards, E., Wirth,* T., **Melen,* R.L.**, "B(C₆F₅)₃-Catalysed alkylation of imidazo[1,2-*a*]pyridines using α,β -unsaturated ketones", *EurJOC*, 2024, **27**, e202400022.
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123. Sokolnicki, T., Alharbi, M.M., van Ingen, Y., Rahim, S., Pramanik, M., Roldan, A., Walkowiak,* J., **Melen,* R.L.**, "Reactivity of a series of triaryl borates, B(OAr^x)₃, in hydroboration catalysis", *Dalton Trans.*, 2023, **52**, 16118.
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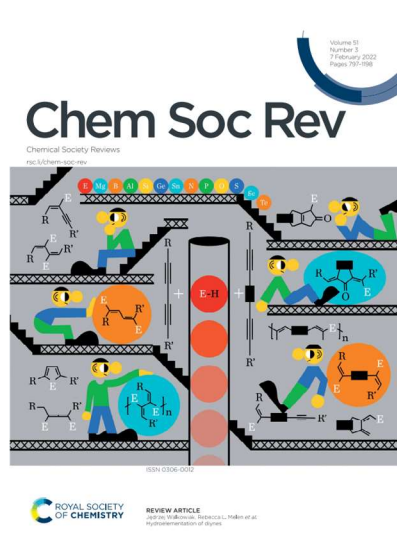
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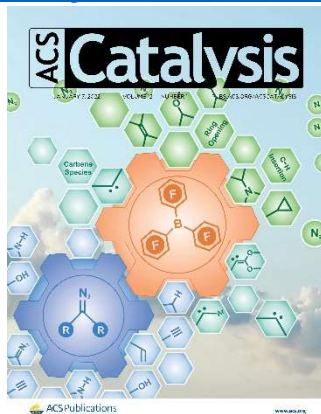
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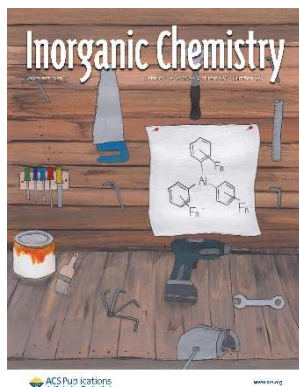
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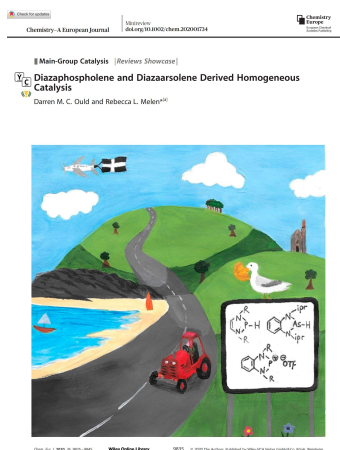


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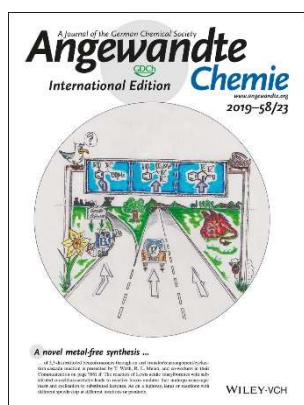


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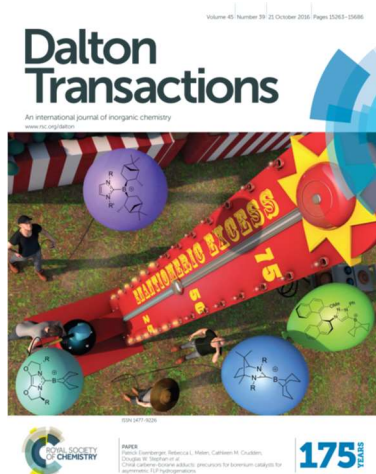
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• INDEPENDENT CONFERENCE PRESENTATIONS AND INVITED LECTURES

My significant contributions to the field of synthetic chemistry have been reflected in a series of talks and presentations since becoming independent (163). This includes invited departmental seminars in the UK, USA, Australia, Germany, Canada, France, India, Japan, Netherlands, Spain, and Switzerland, as well as invited talks at national and international conferences. Independent presentations are listed below.

Keynote presentations and lectures cancelled/declined due to COVID19 and parental leave (not included in the total count):

Keynote lectures at conferences cancelled due to COVID19: BORAM 2020; Canadian Chemistry Conference and Exhibition (CSC 2020, 2 invited talks); Ernesto Carmona Lectureship. *Seminars cancelled due to COVID19:* ETH (Switzerland).

Keynote lectures declined due to pregnancy/maternity leave: International Conference on Organometallics and Catalysis, 30th October – 2nd November 2023, Goa, India; XXIII International Conference on Organic Synthesis (23-ICOS), Shanghai, China; Canadian Chemistry Conference and Exhibition, Adventures in Modern Molecular Catalysis Symposium, 4th–8th June 2023, Vancouver, Canada; Canadian Chemistry Conference and Exhibition (CSC 2024), 2nd–6th June 2024; Organic Chemistry Division of the French Chemical Society, April 3rd 2024, Spring meeting, Paris. *Seminars declined due to pregnancy/maternity leave:* University of Freiberg (Germany).

Presentations since independent (163):

- 2025** Invited lecture, Groupe d'Études en Chimie Organique (GECO conference), 24th–29th August 2025, Evian, France.
- 2025** Invited lecture, XL Biennial Meeting of the Royal Spanish Society of Chemistry, 30th June–3rd July 2025, Bilbao, Spain.
- 2025** Invited lecture, University of Warwick, 26th February 2025, Warwick, UK.
- 2025** Invited lecture, 2nd International Conference on Main Group Synthesis and Catalysis (ICMGSC) 2024, 13th–16th February 2023, IISER Thiruvananthapuram, India.
- 2024** Invited lecture, Institute of Chemical Research of Catalonia (ICIQ), 22nd November 2024, Tarragona, Spain.
- 2024** Invited lecture, UK International Isotope Society Meeting, 15th November 2024, Cambridge, UK.
- 2024** Plenary lecture, 55th Symposium on Catalysis, 10th–11th November 2024, Prague, Czech Republic.
- 2024** Invited lecture, 9th October 2024, DSTL, Salisbury, UK.
- 2024** Invited lecture, 20th August 2024, UK Catalysis Hub webinar, Online.
- 2024** Invited lecture, International Conference on Inorganic Ring Systems (IRIS-17), 21st–26th July 2024, Halifax, Canada.
- 2024** Invited lecture, Organometallics Gordon Research Conference, 7th–12th July 2024, Newport, RI, USA.
- 2024** Invited plenary speaker, 18th Belgian Organic Synthesis Symposium, 30th June –5th July 2024, Liège, Belgium.
- 2023** Invited lecture, EuChemS Highlighting Organic Chemistry in The UK, 24th November 2023, Online.
- 2023** Invited plenary speaker, 13th Paul Walden symposium, 14th–15th September 2023, Riga, Latvia.
- 2023** RSC award lecture, 23rd June 2023, University of Manchester, Manchester, UK.
- 2023** Invited talk, 7th UK-Japan Conference on Sustainable Catalysis, 17th–18th April, University of Oxford, UK.
- 2023** Invited talk, ACS National Meeting, Harry Gray Award for Creative Work in Inorganic Chemistry by a Young Investigator: Symposium in Honor of Robert Gilliard, 26th–30th March 2023, Indianapolis, USA.
- 2023** Invited plenary speaker, International Conference On Phosphorus, Boron and Silicon – PBSi, 22nd–24th March 2023, Berlin, Germany.
- 2023** RSC award lecture, 16th March 2023, Trinity College Dublin, Dublin, Ireland.
- 2023** Invited lecture, 1st March 2023, University of Liverpool, Liverpool, UK.
- 2023** Invited talk, International Conference on Main Group Synthesis and Catalysis (ICMGSC) 2023, 9th–12th February 2023, IISER Thiruvananthapuram, India.
- 2023** Invited virtual lecture, 13th January 2023, Lancaster University, Lancaster, UK.
- 2022** Invited talk, Singapore International Chemistry Conference (SICC-11), 11th–14th December 2022, Singapore.

2022 Invited University Seminar, 25th November 2022, Aix-Marseille Université, Marseille, France.
2022 Invited virtual lecture, 22nd November 2022, Adam Mickiewicz University, Poznan, Poland.
2022 Invited talk, Southeast Regional Meeting of the American Chemical Society on Unusual Structure and Reactivity of Inorganic Molecules, 19th–22nd October 2022, San Juan, Puerto Rico.
2022 Invited talk, ACS National Meeting, F. Albert Cotton Award in Synthetic Inorganic Chemistry: Symposium in honour of Douglas Stephan, 21st–25th August 2022, Chicago, USA.
2022 Virtual talk, Cardiff University - Nanjing Tech University 2022 Chemistry Summer School, 28th–21st July, Cardiff University, Cardiff, UK.
2022 Invited talk, TECS CDT Summer Conference 2022, 20th–21st July 2022, Bristol, UK.
2022 Talk, Canadian Chemistry Conference and Exhibition, 13th–17th June 2022, Calgary, Canada.
2022 Invited talk, Canada - UK Joint Symposium on Coordination Chemistry, 30th May–1st June 2022, St Andrews, UK.
2022 Invited talk, 4th Small Molecule Activation Conference, 16th–19th May 2022, Cancun, Mexico.
2022 Invited talk, RSC – IISER Desktop Seminar with Dalton Transactions, 11th–12th May 2022, Online.
2022 Invited poster, 55th Bürgenstock Conference, 1st–5th May 2022, Brunnen, Switzerland.
2022 Invited talk, stereoselective alkene functionalizations, Beilstein Organic Chemistry Symposium, 26th–28th April 2022, Rüdesheim, Germany.
2022 Invited lecture, 12th April 2022, University of Alicante, Spain.
2022 Keynote speaker, 29th–31st March 2022, Cutting-edge in Homogeneous Catalysis conference Leipzig, Germany.
2022 Invited speaker, 14th–16th March, CRC 1349 winter school 2022, Berlin, Germany.
2022 Invited virtual lecture, 13th March 2022, Tel Aviv University, Israel.
2022 Invited talk, 10th March 2022, *Chem. Eur. J.* Early Career Advisory Board Virtual Event.
2022 Invited virtual lecture, 17th February 2022, Indian Institute of Technology Guwahati, India.
2022 Invited lecture, 10th February 2022, Adam Mickiewicz University, Poznan, Poland.
2022 Keynote lecture, The 8th UK Catalysis Conference, 5th–7th January 2022, Loughborough, UK.
2021 Invited virtual lecture, unusual structure and reactivity in the main group: from fundamental to functional materials, The International Chemical Congress of Pacific Basin Societies 2021, 15th–21st December 2021.
2021 Invited virtual lecture, new challenges in energy chemistry symposium, The International Chemical Congress of Pacific Basin Societies 2021, 15th–21st December 2021.
2021 University Seminar, 1st November 2021, University of Amsterdam, Netherlands.
2021 Invited speaker, Joliot-Curie Conference, 8th–9th September 2021, Virtual Conference.
2021 Invited speaker, ACS Fall 2021 National Meeting & Exposition, 22nd–26th August 2021, virtual seminar as part of the Organometallics Distinguished Author Award Lectureship symposium.
2021 Invited virtual speaker, UK Catalysis Hub Summer Conference, EDI Event, 20th–21st July 2021, Harwell Campus, Oxfordshire, UK.
2021 Plenary lecture, Dalton 2021 Virtual Meeting, June 29th–1st July.
2021 JSP fellowship, e-Bürgenstock conference, May 6th 2021 (Poster).
2021 Invited virtual lecture, 14th April 2021, University of Potsdam, Germany.
2020 Invited virtual lecture, 11th Phosphorus chemistry seminar, 29st October 2020.
2020 Invited virtual lecture, 21st October 2020, University of Central Florida, USA.
2020 ZDSC, DUT and Cardiff CCI virtual symposium, 20th October 2020.
2020 Invited lecture, virtual Chem/Reaxys symposium on organic synthesis, 17th–18th October 2020.
2020 Invited virtual lecture, 15th October 2020, Imperial College London, UK.
2020 Invited lecture, 7th October 2020, University of Münster, Germany.
2020 Virtual Conference on Chemistry and its Applications (VCCA-2020), 1st–31st August 2020.
2020 LOGIC 2020, online symposium, 18th–24th May 2020.
2020 Main Group Seminar Series, Online symposium, 2nd April, UK.
2020 Invited lecture, 29th January 2020, University of Kent, UK.
2020 Invited lecture, PARACAT Winter School on Catalysis, 13th–17th January 2020, Cardiff, UK.
2019 Invited lecture, keynote speaker, IC19, December 15th–19th 2019, Wollongong, Australia.
2019 Invited lecture, 20th National Organic Symposium Trust Organic Chemistry Conference (NOST-OCC), 4th–7th December 2019, Ananta, Udaipur, India.
2019 Invited lecture, 5th November 2019, University of Birmingham, UK.
2019 Invited lecture, 30th October 2019, University of Leeds, UK.
2019 RSC award lecture, 16th October 2019, University of Nottingham, UK.
2019 Invited lecture, 25th September 2019, University of St Andrews, UK.
2019 Invited lecture, RSC Southern Dalton Meeting, 18th September 2019, University of Oxford, UK.
2019 Lecture, 20th August 2019, University of Toronto, Canada.
2019 Lecture, 15th August 2019, Laval University, Canada.
2019 Invited lecture, 6th EOC Symposium, July 13th–14th 2019, Nankai University, Tianjin, China.
2019 Invited lecture, keynote speaker, Euroboron Conference, 24th–27th July 2019, Montpellier, France.

2019 Invited lecture, 21st June 2019, University of Toulouse, France.
2019 Invited lecture, CASE 2019, April 14th–16th 2019, X'ian, China.
2019 Invited lecture, 29th March 2019, University of Sheffield, UK.
2019 Invited lecture, 5th March 2019, Evotec, Abingdon, Oxfordshire, UK.
2019 Invited lecture, Advances in Organocatalysis Symposium, 25th February 2019, London, UK.
2019 Invited lecture, 8th February 2019, University of Madras, Chennai, India.
2019 Invited lecture, 13th RSC-CRSI joint Symposium, 7th February 2019, CSIR Central Leather Research Institute, Chennai, Raipur, India.
2019 Invited lecture, VIT-RSC joint symposium, 5th February 2019, Vellore Institute of Technology, India.
2019 Invited lecture, 1st February 2019, IIT Ropar, India.
2019 Invited lecture, 31st January 2019, Deenbandhu Chhotu Ram University of Science and Technology, Murthal, India.
2019 Invited lecture, 30th January 2019, Dyal Singh College, Karnal, India.
2019 Invited lecture, 16th January 2019, University of Leicester, UK.
2019 Invited lecture, Heterocyclic and Synthesis Group's annual January Meeting, 11th January 2019, Institute of Cancer Research, London, UK.
2018 International Conference On Phosphorus, Boron and Silicon (PBSi), December 10th–12th 2018, Barcelona, Spain.
2018 Invited lecture, 6th December 2018, University of Amsterdam, Netherlands.
2018 Invited lecture, CHAINS Conference, 5th December 2018, Eindhoven, Netherlands.
2018 Invited Lecture, GSK Emerging Academics Symposium, 25th October 2018, Stevenage, UK.
2018 Invited lecture, RSC-India Symposium, 26th September 2018, Manchester, UK.
2018 Meeting of Inorganic Chemists Recently Appointed (MICRA), September 10th–12th 2018, Cardiff, UK.
2018 Invited lecture, ICC2018: Post-Conference, August 7th–8th 2018, Oita, Japan.
2018 Invited lecture, ICC2018: Post-Conference in Fukuoka, August 5th–7th 2018, Fukuoka, Japan.
2018 Invited lecture, 43rd International Conference on Coordination Chemistry, July 30th–August 4th 2018, Sendai, Japan.
2018 26th July 2018, Nagoya University, Japan.
2018 Invited lecture, 5th July 2018, Laval University, Canada.
2018 Invited lecture, Organometallics Gordon Research Conference, June 8th–13th 2018, Newport, RI, USA.
2018 Invited lecture, Boron in the Americas (BORAM), June 26th–30th 2018, Boston College, Boston, USA.
2018 Invited lecture, Early Career Investigators Symposium, 101st Canadian Chemistry Conference and Exhibition, June 2018, Edmonton, Canada.
2018 23rd May 2018, University of Calgary, Canada.
2018 Invited lecture, April 30th–May 1st 2018, 3rd Japan/UK joint symposium in coordination chemistry, University of St. Andrews, UK.
2018 Invited lecture, 20th April 2018, Imperial College London, UK.
2018 Humboldt Colloquium, April 15th–17th 2018, University of Oxford, UK.
2018 Invited lecture, 23rd January 2018, University of Birmingham, UK.
2018 Invited lecture, 12th January 2018, Queen Mary University of London, UK.
2017 Invited lecture, 29th November 2017, University College London, UK.
2017 Invited lecture, High Achievers Dinner, Keynote speaker, 23rd September 2017, Trent College, UK.
2017 Invited plenary lecture, Dalton Younger Members Event, September 2017, Bath, UK.
2017 Invited lecture, 15th August 2017, University of Bern, Switzerland.
2017 Invited lecture, Main Group Transformations and Catalysis Symposium, 100th Canadian Chemistry Conference and Exhibition, June 2017, Toronto, Canada.
2017 Boron in Modern Organic Synthesis and Catalysis Symposium, 100th Canadian Chemistry Conference and Exhibition, June 2017, Toronto, Canada.
2017 Invited lecture, 12th April 2017, University of East Anglia, UK.
2017 Invited lecture, 21st March 2017, RWTH Aachen University, Germany.
2017 Invited lecture, 21st February 2017, Bath University, UK.
2017 Invited lecture, McCamley Lecture, 1st February 2017, University of York, UK.
2017 Invited lecture, 24th January 2017, York University, Toronto, Canada.
2016 Invited lecture, SCI Review lecture, 1st December 2016, London, UK.
2016 Invited lecture, 11th October 2016, University of Oxford, UK.
2016 Invited lecture, 25th August 2016, TU Berlin, Germany.
2016 Invited lecture, 21st July 2016, Bielefeld, Germany.
2016 Boron in the Americas (BORAM), June 25th–28th 2016, Queen's University, Kingston, Canada.
2016 Invited lecture, main group symposium, 24th June 2016, University of Toronto, Canada.
2016 Invited lecture, 99th Canadian Chemistry Conference and Exhibition, Advances in Main Group Chemistry Symposium, June 5th–9th 2016, Halifax, Canada.

- 2016** 99th Canadian Chemistry Conference and Exhibition, General Organic Symposium, June 5th–9th 2016, Halifax, Canada.
- 2016** Invited lecture, 8th March 2016, Humboldt University Berlin.
- 2016** Clara Immerwahr Award lecture, 12th February 2016, Berlin, Germany.
- 2016** Invited lecture, 3rd February 2016, University of Leicester, UK.
- 2016** Invited lecture, 27th January 2016, Belfast University, UK.
- 2016** Invited lecture, RSC Organic Division South-West Regional Meeting, 13th January 2016, University of Southampton, UK.
- 2015** Invited lecture, The International Chemical Congress of Pacific Basin Societies, Lewis Acid/Base Pair Chemistry in Molecular Transformations Symposium, December 15th–20th 2015, Honolulu, Hawaii, USA.
- 2015** The International Chemical Congress of Pacific Basin Societies, Catalysis and Energy Storage symposium, December 15th–20th 2015, Honolulu, Hawaii, USA.
- 2015** Invited lecture, 25th November 2015, Goethe-Universität Frankfurt am Main, Germany.
- 2015** Invited lecture, 24th November 2015, Heidelberg, Germany.
- 2015** Invited lecture, 23rd November 2015, KIT, Karlsruhe, Germany.
- 2015** Gregynog Synthesis Meeting, September 9th–11th 2015, Newtown, Powys, Wales, UK.
- 2015** IRIS 14 meeting, July 26th–31st 2015, Regensburg, Germany.
- 2015** Invited lecture, 26th June 2015, Brock University, St. Catharines, Canada.
- 2015** Invited lecture, 25th June 2015, University of Toronto, Toronto, Canada.
- 2015** invited lecture, 19th June 2015, McGill University, Montreal, Canada.
- 2015** 98th Canadian Chemistry Conference and Exhibition, June 13th–17th 2015, Ottawa, Canada.
- 2015** Invited lecture, 98th Canadian Chemistry Conference and Exhibition, RSC-UK Symposium, June 13th–17th 2015, Ottawa, Canada.
- 2015** EPSRC Dial-a-Molecule and Beyond the Molecule: Directed Assembly Grand Challenge Network Event, May 19th–20th 2015, Leeds, UK.
- 2015** Invited lecture, Cardiff Chemistry Conference, May 11th–12th 2015, Cardiff University, UK.
- 2015** Invited lecture, Southern Dalton Meeting, 20th–21st April 2015, University of Sussex, UK.
- 2015** Dial-a-Molecule Meeting: Catalytic Sustainability in the Future, 13th February 2015, Manchester, UK.
- 2014** Meeting of Inorganic Chemists Recently Appointed (MICRA), 10th–12th September 2014, Huddersfield, UK.
- 2014** Lecture, IMEBORON conference, 24th–28th August 2014, Prague, Czech Republic.
- 2014** Lecture, IMEBORON conference, 24th–28th August 2014, Prague, Czech Republic.
- 2014** Lecture, 23rd June 2014, University of Tübingen, Germany.
- 2014** Award lecture, 21st–26th June 2014, Euroscience Open Forum (ESOF), Copenhagen, Denmark.
- 2014** Lecture, 10th June 2014, University of Guelph, Canada.
- 2014** Lecture, 11th June 2014, University of Windsor, Canada.
- 2014** Invited lecture, 97th Canadian Chemistry Conference and Exhibition, invited lecture (Main Group Symposium), 1st–5th June 2014, Vancouver, Canada.
- 2014** Invited lecture, 16th May 2014, University of St Andrews, UK.
- 2014** Invited lecture, 6th May 2014, University of Cardiff, UK.
- 2014** Award lecture, 24th April 2014, University of Durham, UK.
- 2014** Award lecture, 23rd April 2014, University of Strathclyde, UK.
- 2014** Award lecture, 21st April 2014, University of Bristol, UK.
- 2014** Award lecture, Dalton 2014, 15th –17th April 2014, University of Warwick, UK.
- 2014** Lecture, Network Meeting of the Alexander von Humboldt Foundation, April 2014, Berlin, Germany.
- 2014** Invited lecture, 12th February 2014, University of Heidelberg, Germany.
- 2014** 3 minute presentation, A.T. Kearney Scholarship, Falling Walls Conference, 8th November 2013, Berlin, Germany.
- 2014** Lecture, Annual Meeting of the RSC Main Group Chemistry Interest Group, 27th September 2013, University of Oxford, UK.
- 2014** Invited lecture, 29th August 2013, University of Cambridge, UK.
- 2014** Invited lecture, 22nd August 2013, University of Manchester, UK.