

Google Scholar: https://scholar.google.co.uk/citations?hl=en&user=q4y_mzwAAAAJ – h-index 23, cited >3400 times.

Academic Career and education:

- 2021–Now Royal Society University Research Fellow.
2018–2021 J. Robert Oppenheimer Fellowship at Los Alamos National Lab.
2017–2018 EPSRC Doctoral Prize Fellowship at UoM.
2013–2017 PhD at UoM with Dr. D. P. Mills.
2012–2013 MChem (Hons), Chemistry with a final year research project at UoM.

5 Publications:

5. “ δ -Bonding Modulates the Electronic Structure of Formally Divalent nd^1 Rare Earth Arene Complexes”. R. E. MacKenzie, T. Hajdu, J. A. Seed, G. F. S. Whitehead, R. W. Adams, N. F. Chilton, D. Collison, E. J. L. McInnes, C. A. P. Goodwin*, *Chem. Sci.* **2024**, DOI: 10.1039/D4SC03005B.
4. “N-Heterocyclic Carbene to Actinide d-Based π -bonding Correlates with Observed Metal–Carbene Bond Length Shortening Versus Lanthanide Congeners”. C. A. P. Goodwin, Ralph W. Adams, Andrew J. Gaunt*, Susan K. Hanson, Michael T. Janicke, Nikolas Kaltsoyannis*, Stephen T. Liddle, Iain May, Jeffrey L. Miller, Brian L. Scott, John A. Seed, George F. S. Whitehead, *J. Am. Chem. Soc.* **2024**, 146, 10367-10380.
3. “What is the nature of the uranium(III)-arene bond?” S. R. Chowdhury, C. A. P. Goodwin*, B. Vlaisavljevich*, *Chem. Sci.* **2024**, 15, 1810-1819.
2. “Isolation and Characterization of a Californium Metallocene” C. A. P. Goodwin, J. Su, L. M. Stevens, F. D. White, N. H. Anderson, J. D. Auxier II, T. E. Albrecht-Schönzart, E. R. Batista*, S. F. Briscoe, J. N. Cross, W. J. Evans*, A. N. Gaiser, A. J. Gaunt*, M. R. James, M. T. Janicke, T. F. Jenkins, Z. R. Jones, S. A. Kozimor, B. L. Scott, J. M. Sperling, J. C. Wedal, C. J. Windorff, P. Yang*, J. W. Ziller, *Nature* **2021**, 599, 421-424.
1. “[AnI₃(THF)₄] (An = Np, Pu) Preparation Bypassing An⁰ Metal Precursors: Access to Np³⁺/Pu³⁺ Nonaqueous and Organometallic Complexes” C. A. P. Goodwin*, M. T. Janicke, B. L. Scott, A. J. Gaunt*, *J. Am. Chem. Soc.* **2021**, 143, 20680-20696.

40 further publications e.g.: *Nature* (1), *Nat. Chem.* (2), *Nat. Commun.* (1), *JACS* (4), *Chem. Sci.* (3) and 2 book chapters.

Awards and esteem:

- Royal Society University Research Fellowship (2021, awarded to 37 across all science disciplines in the UK).
- Los Alamos Distinguished Postdoctoral Performance Award (2019, 1 of 2 winners, awarded for fundamental advances in transuranium coordination chemistry with Am and Cf).
- Named “Polonium” by IUPAC for their International Year of the Periodic Table celebration.
- University of Manchester Outstanding Achievement Award (2018).
- RSC Dalton Emerging Researcher Award (2018, awarded for contributions to the synthesis of molecular magnets).
- J. Robert Oppenheimer Fellowship at Los Alamos National Laboratory (LANL) (2018, awarded to 0-2 scientists internationally whom the lab believes have the potential to become research leaders).
- EPSRC Doctoral Prize Fellowship (2017).
- RSC Researcher Mobility Fellowship (2015, funded a 3-month research visit to Prof. W. J. Evans’ laboratory at UC Irvine, resulting in two publications in *Inorg. Chem.*).
- Given four invited research talks to international audiences (*ACS National Symposium 2019*; *Global Inorganic Discussion Week 2020*; *Open Science Seminar Series University of South Carolina 2020*; *Angular Momentum 2021*).

Funding:

- ERC Starting Grant (€1.54M; £1.31M)
- EPSRC New Investigator Award (£557K).
- Royal Society University Research Fellowship (£956K).
- Several rounds of internal LANL Postdoctoral research funding (£5K to further Cf research with Thomas Albrecht-Schmitt at FSU – part of successful publication in *Nature*; £25K for spectroscopy equipment).
- *J. Robert Oppenheimer Fellowship* – A competitive 3-year fellowship at Los Alamos National Laboratory (USA) for my own research in Inorganic Isotopes and Actinide Chemistry (~£400K).
- EPSRC Doctoral Prize Fellowship (£45K).
- *RSC Researcher Mobility Fellowship 2015 (£5K)* – collaborated with Prof. W. J. Evans (UC Irvine, USA). 3 months stay resulted in two published papers (in *Inorg. Chem.*).

Citizenship, Leadership, Mentoring, and Outreach:

Regular reviewer for society journals (*RSC*, *ACS*); knowledge-transfer expert for public-facing science (e.g. *Chemistry World*); PI to 2 PDRAs, 3 PhD researchers, Co-PI to 3 PhD researchers.