



Stephen T. Liddle

The author presented on this page has published more than **10 articles** in *Angewandte Chemie* in the last five years, most recently: "Synthesis, Characterization, and Reactivity of a Uranium(VI) Carbene Imido Oxo Complex": E. Lu, O. J. Cooper, J. McMaster, F. Tuna, E. J. L. McInnes, W. Lewis, A. J. Blake, S. T. Liddle, *Angew. Chem.* **2014**, 126, 6814–6818; *Angew. Chem. Int. Ed.* **2014**, 53, 6696–6700.

Stephen T. Liddle

Date of birth:	June 25, 1974
Position:	Professor of Inorganic Chemistry and Royal Society University Research Fellow, The University of Nottingham
E-mail:	stephen.liddle@nottingham.ac.uk
Homepage:	http://www.nottingham.ac.uk/chemistry/people/stephen.liddle
Education:	1993–1997 BSc(Hons), Newcastle University 1997–2000 PhD supervised by Prof. William Clegg, Newcastle University 2000–2001 Postdoctoral position with Dr. Philip Bailey, Edinburgh University 2001–2003 Wilfred Hall Research Fellow with Dr. Keith Izod, Newcastle University 2004–2007 Postdoctoral position with Dr. Polly Arnold, The University of Nottingham
Awards:	2001 Newcastle University Wilfred Hall Fellowship; 2007 Royal Society University Research Fellowship; 2011 Royal Society of Chemistry Sir Edward Frankland Fellowship; 2011 Royal Society of Chemistry Bill Newton Award; 2011 Fellowship of the Royal Society of Chemistry
Current research interests:	f-Block metal–ligand multiple bonding; metal–metal bonding; small-molecule activation; single-molecule magnetism
Hobbies:	Chemistry, cooking, hiking, appreciating fine Belgium chocolate, waffles, and beer

In a spare hour, I ... spare hour? What spare hour?

I admire ... the ability of my research group to take my ideas and make them work.

My favorite quote is ... "The ultimate measure of a man is not where he stands in moments of comfort and convenience, but where he stands at times of challenge and controversy" (Martin Luther King, Jr.).

My biggest inspiration is ... knowing that I am incredibly privileged to have this career.

My favorite time of day is ... just before I go to sleep, when I mull over ideas late at night.

I advise my students to ... work hard, enjoy it, and no matter how unlikely the idea is try it and see.

If I had one year of paid leave I would ... get out from behind my desk and back into the lab.

In the future I see myself ... hopefully still enjoying discovering the marvelous secrets of uranium.

The biggest challenge facing scientists is ... to convince those who set science funding policies around the world that fundamental science is worth defending and doing.

Chemistry is fun because ... where else do you get to routinely make and study new forms of matter?

My favorite drink is ... a glass of cool fresh water, which seems somewhat ironic for someone whose chemistry demands that water be rigorously excluded from all reactions.

My first experiment was ... aged 11 recrystallizing copper(II) sulfate hydrate at school. Once I saw those beautiful blue crystals, chemistry had me hooked.

My 5 top papers:

1. "A delocalized arene-bridged diuranium single-molecule magnet": D. P. Mills, F. Moro, J. McMaster, J. van Slageren, W. Lewis, A. J. Blake, S. T. Liddle, *Nat. Chem.* **2011**, 3, 454–460. (Could provide a way to build clusters that exhibit high-isolated-spin ground states and magnetic anisotropies.)
2. "Synthesis and Structure of a Terminal Uranium Nitride Complex": D. M. King, F. Tuna, E. J. L. McInnes, J. McMaster, W. Lewis, A. J. Blake, S. T. Liddle, *Science* **2012**, 337, 717–720. (The terminal uranium–nitrogen triple bond was for decades prominent for eluding numerous attempts to prepare it under ambient conditions.)
3. "Isolation and characterisation of a uranium(VI)–nitride triple bond": D. M. King, F. Tuna, E. J. L. McInnes, J. McMaster, W. Lewis, A. J. Blake, S. T. Liddle, *Nat. Chem.* **2013**, 5, 482–488. (Once we had secured the terminal uranium(V)–nitride the next obvious target was the uranium(VI) analogue.)
4. "Reductive assembly of cyclobutadienyl and diphosphacyclobutadienyl rings at uranium": D. Patel, J. McMaster, W. Lewis, A. J. Blake, S. T. Liddle, *Nat. Commun.* **2013**, 4, 2323. (f-Block cyclobutadienyl derivatives were unknown until we described their synthesis in this paper.)
5. "Triamidoamine–Uranium(IV)-Stabilized Terminal Parent Phosphide and Phosphinidene Complexes": B. M. Gardner, G. Balázs, M. Scheer, F. Tuna, E. J. L. McInnes, J. McMaster, W. Lewis, A. J. Blake, S. T. Liddle, *Angew. Chem.* **2014**, 126, 4573–4577; *Angew. Chem. Int. Ed.* **2014**, 53, 4484–4488. (The first report of a metal-stabilized parent phosphinidene (M = PH).)

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