



R. Morris

Russell E. Morris

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Education:	1989 BA in chemistry, University of Oxford 1992 DPhil supervised by Professor Anthony K. Cheetham, University of Oxford
Awards:	2008 Fellow of the Royal Society of Edinburgh; 2012 Fellow of the Learned Society of Wales; 2012 Brian Mercer Award for Innovation, Royal Society; 2015 Peter Day Award for Materials, Royal Society of Chemistry
Current research interests:	Zeolites; metal–organic frameworks; gas storage and delivery for medicine; quantum spin liquids
Hobbies:	Playing the guitar (badly!), playing tennis (also badly!)

The author presented on this page has recently published his **10th article** in *Angewandte Chemie* in the last 10 years:

“Extending the Family of $V^{4+} S=1/2$ Kagome Antiferromagnets”: L. Clark, F. H. Aidoudi, C. Black, K. S. A. Arachchige, A. M. Z. Slawin, R. E. Morris, P. Lightfoot, *Angew. Chem. Int. Ed.* **2015**, 54, 15457; *Angew. Chem.* **2015**, 127, 15677.

When I was eighteen I wanted to be a professional cricketer.

My favorite drink is a cup of tea (how very British!).

In the future I see myself still enjoying my job.

The most important thing I learned from my students is how they manage their supervisor.

The principal aspect of my personality is optimism. Even when things go badly, success is always just around the corner (I hope!)

My favorite musicians are Queen or maybe Billy Bragg, or my current favorite Caro Emerald—too many favorites!

The natural talent I would like to be gifted with is for music. It must be a great thrill to captivate an audience with a virtuoso performance.

I am waiting for the day when someone will discover a foolproof way to teach old-timers (like me) how to use social media.

If I could be any age I would be 25—old enough to know better but young enough not to care too much.

The secret of being a successful scientist is creativity and not being scared to ask a stupid question.

My favorite molecules are polyhedral oligomeric silsesquioxanes—who couldn't love them with a name like that.

My science “heroes” are my research group—they put up with a lot!

My 5 top papers:

1. “Synthesis of ‘unfeasible’ zeolites”: M. Mazur, P. S. Wheatley, M. Navarro, W. J. Roth, M. Položij, A. Mayoral, P. Eliášová, P. Nachtigall, J. Čejka, R. E. Morris, *Nat. Chem.* **2016**, 8, 58. (Shows how we can get around the limitations of hydrothermal synthesis.)
2. “Zeolites with Continuously Tuneable Porosity”: P. S. Wheatley et al., *Angew. Chem. Int. Ed.* **2014**, 53, 13210; *Angew. Chem.* **2014**, 126, 13426. (Continuous control of the pore sizes in a family of zeolites all the way from small pores to extra-large ones.)
3. “A family of zeolites with controlled pore size prepared using a top-down method”: W. J. Roth et al., *Nat. Chem.* **2013**, 5, 628 (Reports the ADOR process: how to disassemble a parent zeolite into its constituent parts before reassembling them into a family of new structures.)
4. “Protecting group and switchable pore-discriminating adsorption properties of a hydrophilic–hydrophobic metal–organic framework”: M. I. H. Mohideen et al., *Nat. Chem.* **2011**, 3, 304. (We can control the adsorption into two channels of the same MOF, and can close one channel down completely by using the right set of conditions.)
5. “Chemically blockable transformation and ultrasensitive low-pressure gas adsorption in a non-porous metal organic framework”: B. Xiao et al., *Nat. Chem.* **2009**, 1, 289. (A MOF that only adsorbs one particular gas, nitric oxide, and can be used in medical applications.)

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