



K. Rissanen

Kari Rissanen

Date of birth:	November 11, 1959
Position:	Academy Professor, University of Jyväskylä
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Education:	1985 MSc, University of Jyväskylä 1987 Ph.Lic., University of Jyväskylä 1990 PhD supervised by Prof. Jussi Valkonen, University of Jyväskylä
Awards:	1991 Elected to the Finnish Academy of Science and Letters; 2005 Magnus Ehrnrooth Prize in Chemistry; 2008 First Class Knight of the Order of the White Rose of Finland (SVR R 1); 2010 Nanotech Finland Award, TEKES
Current research interests:	Structural and synthetic supramolecular chemistry; X-ray crystallography; crystal engineering; intermolecular interactions
Hobbies:	Science fiction; cooking

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

"A New Structural Motif for an Enantiomerically Pure Metallosupramolecular Pd₄L₈ Aggregate by Anion Templating": C. Klein, C. Gütz, M. Bogner, F. Topić, K. Rissanen, A. Lützen, *Angew. Chem.* **2014**, 126, 3814–3817; *Angew. Chem. Int. Ed.* **2014**, 53, 3739–3742.

In a spare hour, I ... read a good science fiction novel.

My favorite saying is ... "better late than never".

I admire ... truly innovative scientists and artists.

My science "heroes" are ... Jean-Marie Lehn, Fritz Vögtle, Jean-Pierre Sauvage, and Makoto Fujita.

If I could be a piece of lab equipment, I would be ... a single-crystal X-ray diffractometer (which I nearly am already!).

In the future I see myself ... as an older and maybe wiser structural supramolecular chemist.

The principal aspect of my personality is ... a loud booming voice.

What I appreciate most about my friends is ... their ability to accept and cherish different personalities.

My favorite book is ... Isaac Asimov's *The Gods Themselves*.

The natural talent I would like to be gifted with ... is the ability to sing.

If I could be described as an animal it would be ... a polar bear (which does not dissolve in water!).

My favorite drink is ... good beer or red wine (depends on the occasion).

My 5 top papers:

1. "A New Macrobicyclic Tris-bipyridine Ligand and its Cu^I and Ag^I Complexes": J. de Mendoza, E. Mesa, J.-C. Rodriguez-Ubis, P. Vazquez, F. Vögtle, P.-M. Windscheif, K. Rissanen, J.-M. Lehn, D. Lilienbaum, R. Ziessel, *Angew. Chem.* **1991**, 103, 1365–1367; *Angew. Chem. Int. Ed. Engl.* **1991**, 30, 1331–1333. (This collaboration in structural supramolecular chemistry lasted more than 20 years.)
2. "Spin Crossover in a Supramolecular Fe₄^{II} [2 × 2] Grid Triggered by Temperature, Pressure, and Light": E. Breuning, M. Ruben, J.-M. Lehn, F. Renz, Y. Garcia, V. Ksenofontov, P. Güthlich, E. Wegelius, K. Rissanen, *Angew. Chem.* **2000**, 112, 2563–2566; *Angew. Chem. Int. Ed.* **2000**, 39, 2504–2507. (Seminal work on spin crossover grids in collaboration with Jean-Marie Lehn.)
3. "Noncovalent π···π Stacked Exo-Functional Nanotubes: Subtle Control of Resorcinarene Self-Assembly": H. Mansikkamäki, M. Nissinen, K. Rissanen, *Angew. Chem.* **2004**, 116, 1263–1266; *Angew. Chem. Int. Ed.* **2004**, 43, 1243–1246. (An unprecedented discovery and highlight of our work on resorcinarenes.)
4. "An Unlockable–Relockable Iron Cage by Subcomponent Self-Assembly": P. Mal, D. Schultz, K. Beyeh, K. Rissanen, J. R. Nitschke, *Angew. Chem.* **2008**, 120, 8421–8425; *Angew. Chem. Int. Ed.* **2008**, 47, 8297–8301. (Joint work on the subcomponent self-assembly of molecular tetrahedra.)
5. "Self-Assembly of M₂₄L₄₈ Polyhedra on Empirical Prediction": J. Bunzen, J. Iwasa, P. Bonakdarzadeh, E. Numase, K. Rissanen, S. Sato, M. Fujita, *Angew. Chem.* **2012**, 124, 3215–3217; *Angew. Chem. Int. Ed.* **2012**, 51, 3161–3163. (The most complex single-crystal X-ray diffraction work (required use of three different synchrotrons) on gigantic molecular spheres.)



The work of K. Rissanen has been featured on the inside cover of *Angewandte Chemie*:

"A Self-Assembled M₈L₆ Cubic Cage that Selectively Encapsulates Large Aromatic Guests": W. Meng, B. Breiner, K. Rissanen, J. D. Thoburn, J. K. Clegg, J. R. Nitschke, *Angew. Chem.* **2011**, 123, 3541–3545; *Angew. Chem. Int. Ed.* **2011**, 50, 3479–3483.

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