Angewandte International Edition Chemie

Milko E. van der Boom

Date of birth:	September 19, 1969
Position:	Associate Professor of Chemistry, The Weizmann Institute of Science, Department of Organic Chemistry, Rehovot (Israel)
Education:	1988–1992 BSc Hogeschool van Amsterdam, University of Applied Sciences (The Netherlands) 1992–1994 MSc with Prof. Kees Elsevier, University of Amsterdam (The Netherlands) 1994–1999 PhD with Prof. David Milstein, The Weizmann Institute of Science, Rehovot (Israel) 1999–2001 Postdoctoral studies with Prof. Tobin J. Marks, Northwestern University, Evanston (USA)
Awards:	**2003** Allon Fellowship for Outstanding Young Researchers from the Israel Council for Higher Education; **2004** The Gutwirth Prize; **2006** The Israel Chemical Society Prize for Young Scientists
Current research interests:	Investigating the chemistry of materials, self-assembly, molecular logic and computing, halogen bonding, and organometallic chemistry
Hobbies:	Hiking, reading, traveling, and caring for a beautiful stray dog that found me

M. E. van der Boom

The part of my job which I enjoy the most is … working with motivated and talented students.

I am waiting for the day when someone will discover … a cure for major diseases such as Alzheimer's disease and cancer.

My favorite subject at school was … history. It is fascinating and ultimately more important than science.

If I could have dinner with three famous scientists from history, they would be … Plato, Leonardo da Vinci, and Charles Darwin.

And I would ask them … whilst in a good restaurant in Rehovot if they believe that studies about the origin of the universe and the evolution of life can also explain their meaning and the exclusion of God.

The three things I would take to a desert island would be … my three kids in order to give my wife a break (but only for a week).

My first experiment resulted in … damage to the electrical system at home and my first near-death experience.

My favorite author (fiction) is … David Baldacci, who is the author of "The Camel Club". However, if he does not publish more books soon, I will have to find another favorite.

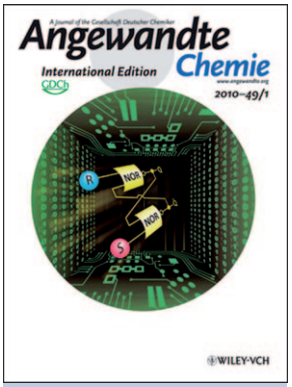
My favorite book is … "Max Havelaar: Or the Coffee Auctions of the Dutch Trading Company" written by Multatuli (the pen name of Eduard Douwes Dekker, which comes from the Latin "multa tuli" meaning "I suffered much"). It is an influential book published in 1860 that helped to catalyze the end of colonialism.

My top three films of all time are … "Apocalypse Now", "The Blues Brothers", and "Ciske the Rat" (because my father played a role in this Dutch movie).

My 5 top papers:

1. "Electrically Addressable Multistate Volatile Memory with Flip-Flop and Flip-Flap-Flop Logic Circuits on a Solid Support": G. de Ruiter, L. Motiei, J. Choudhury, N. Oded, M. E. van der Boom, *Angew. Chem.* **2010**, *122*, 4890–4893; *Angew. Chem. Int. Ed.* **2010**, *49*, 4780–4783.
2. "Molecular Structure–Function Relations of the Optical Properties and Dimensions of Gold Nanoparticle Assemblies": R. Kaminker, M. Lahav, L. Motiei, M. Vartanian, R. Popovitz-Biro, M. A. Iron, M. E. van der Boom, *Angew. Chem.* **2010**, *122*, 1240–1243; *Angew. Chem. Int. Ed.* **2010**, *49*, 1218–1221.
3. "Halogen Bonding: A Supramolecular Entry for Assembling Nanoparticles": T. Shirman, T. Arad, M. E. van der Boom, *Angew. Chem.* **2010**, *122*, 938–941; *Angew. Chem. Int. Ed.* **2010**, *49*, 926–929.
4. "Sequential Logic Operations with Surface-Confined Polypyridyl Complexes Displaying Molecular Random Access Memory Features": G. de Ruiter, E. Tartakovsky, N. Oded, M. E. van der Boom, *Angew. Chem.* **2010**, *122*, 173–176; *Angew. Chem. Int. Ed.* **2010**, *49*, 169–172.
5. "Linear vs Exponential Formation of Molecular-Based Assemblies": J. Choudhury, R. Kaminker, L. Motiei, G. de Ruiter, M. Morozov, F. Lupo, A. Gulino, M. E. van der Boom, *J. Am. Chem. Soc.* **2010**, *132*, 9295–9297.

*The author presented on this page has recently published his **10th article** since 2000 in Angewandte Chemie*: "Electrically Addressable Multistate Volatile Memory with Flip-Flop and Flip-Flap-Flop Logic Circuits on a Solid Support": G. de Ruiter, L. Motiei, J. Choudhury, N. Oded, M. E. van der Boom, *Angew. Chem.* **2010**, *122*, 4890–4893; *Angew. Chem. Int. Ed.* **2010**, *49*, 4780–4783.



M. E. van der Boom has been featured on the inside cover of Angewandte Chemie: "Sequential Logic Operations with Surface-Confined Polypyridyl Complexes Displaying Molecular Random Access Memory Features": G. de Ruiter, E. Tartakovsky, N. Oded, M. E. van der Boom, *Angew. Chem.* **2010**, *122*, 173–176; *Angew. Chem. Int. Ed.* **2010**, *49*, 169–172.

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