



J. Huskens

The author presented on this page has recently published his **10th article** since 2000 in *Angewandte Chemie*: "Multivalent Nanoparticle Networks as Ultrasensitive Enzyme Sensors": R. de la Rica, R. M. Fratila, A. Szarpak, J. Huskens, A. H. Velders, *Angew. Chem.* **2011**, 123, 5822–5825; *Angew. Chem. Int. Ed.* **2011**, 50, 5704–5707.

Jurriaan Huskens

Date of birth:	February 15, 1968
Position:	Professor of Supramolecular Chemistry and Nanofabrication, University of Twente (The Netherlands)
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Education:	1990 Undergraduate university education in Chemical Engineering, Eindhoven University of Technology (The Netherlands) 1994 PhD with Prof. Herman van Bakkum and Dr. Joop A. Peters, Delft University of Technology (The Netherlands) 1995–1997 Postdoctoral position with Prof. A. Dean Sherry, University of Texas at Dallas (USA) 1997–1998 Postdoctoral position with Prof. Manfred T. Reetz, Max-Planck-Institut für Kohlenforschung, Mülheim an der Ruhr (Germany)
Awards:	1990 Unilever Research Award; 1997 Marie Curie Fellowship; 2002 Vernieuwingsimpuls Vidi grant; 2007 Gold Medal of the Royal Netherlands Chemical Society; 2008 Vernieuwingsimpuls Vici grant
Current research interests:	supramolecular chemistry at interfaces; multivalency in solution and at interfaces; reactive platforms; surface gradients; dynamics of molecular systems; method development for soft and probe lithography; nanolithography; bottom-up nanofabrication; integration of top-down and bottom-up nanofabrication techniques
Hobbies:	Practical performance of classical music (clarinet, bass clarinet, cello, conducting), reading, traveling, chess (and other games)

Science is fun because ... it provides a life-long satisfaction of curiosity.

My favorite time of day is ... dinner (for several reasons).

The biggest challenge facing scientists is ... the lack of scientists in higher management and politics.

Young people should study chemistry because ... it is the ultimate “interdisciplinary discipline”.

If I could be any age I would be ... 43 (enjoy the moment!).

My biggest inspiration is ... my son and his everlasting curiosity and enthusiasm.

My favorite way to spend a holiday is ... to go out into nature with my family.

The most important thing I learned from my students is ... that motivation and interest can take many forms.

My favorite composer is ... Johann Sebastian Bach, because his structure and logic provide a unique clarity of expression.

My 5 top papers:

1. “Gradient-driven motion of multivalent ligand molecules along a surface functionalized with multiple receptors”: A. Perl, A. Gomez-Casado, D. Thompson, H. H. Dam, P. Jonkheijm, D. N. Reinhoudt, J. Huskens, *Nature Chem.* **2011**, 3, 317–322. (Describes the first quantitative study of multivalent diffusion along receptor-functionalized interfaces.)
2. “Long-Range Energy Propagation in Nanometer Arrays of Light Harvesting Antenna Complexes”: M. Escalante, A. Lenferink, Y. Zhao, N. Tas, J. Huskens, C. N. Hunter, V. Subramaniam, C. Otto, *Nano Lett.* **2010**, 10, 1450–1457. (Describes a beautiful example of the integration of host–guest chemistry, technology, and biological functionality.)
3. “Free-Standing 3D Supramolecular Hybrid Particle Structures”: X. Y. Ling, I. Y. Phang, W. Maijenburg, H. Schönherr, D. N. Reinhoudt, G. J. Vancso, J. Huskens, *Angew. Chem.* **2009**, 121, 1001–1005; *Angew. Chem. Int. Ed.* **2009**, 48, 983–987. (Shows the power of supramolecular chemistry in materials assembly.)
4. “Molecular Printboards as a General Platform for Protein Immobilization: A Supramolecular Solution to Nonspecific Adsorption”: M. J. W. Ludden, A. Mulder, R. Tampé, D. N. Reinhoudt, J. Huskens, *Angew. Chem.* **2007**, 119, 4182–4185; *Angew. Chem. Int. Ed.* **2007**, 46, 4104–4107. (Shows the beauty of a simple solution.)
5. “Binding Control and Stoichiometry of Ferrocenyl Dendrimers at a Molecular Printboard”: C. A. Nijhuis, J. Huskens, D. N. Reinhoudt, *J. Am. Chem. Soc.* **2004**, 126, 12266–12267. (Demonstrates the power and fun of numbers.)

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