



G. Meijer (photo: B. Beelen, 2012)

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

“Activation of Molecular Oxygen by Anionic Gold Clusters”: A. P. Woodham, G. Meijer, A. Fielicke, *Angew. Chem.* **2012**, 124, 4520–4523; *Angew. Chem. Int. Ed.* **2012**, 51, 4444–4447.



The work of G. Meijer has been featured on the cover of *Angewandte Chemie*: “CO Oxidation as a Prototypical Reaction for Heterogeneous Processes”: H.-J. Freund, G. Meijer, M. Scheffler, R. Schlögl, M. Wolf, *Angew. Chem.* **2011**, 123, 10242–10275; *Angew. Chem. Int. Ed.* **2011**, 50, 10064–10094.

Gerard Meijer

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Position:	Director, Fritz Haber Institute of the Max Planck Society
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Education:	1980–1985 Degree in physics, Radboud University Nijmegen, The Netherlands 1988 PhD in physics supervised by Prof. A. Dymanus and Prof. P. Andresen, Radboud University Nijmegen 1989–1990 Postdoc with Prof. M. S. de Vries, IBM Almaden Research Laboratory, San José 1991 Postdoctoral Fellow of the Royal Dutch Academy of Arts and Sciences (KNAW) with Prof. S. Stolte at the Free University of Amsterdam
Awards:	2009 Bourke Award, Royal Society of Chemistry; ERC Advanced Grant; 2010 Harry Emmett Gunning Lecturer, University of Alberta; 2011 Jacob Bigeleisen Lecturer, Stony Brook University; 2012 Van't Hoff prize of the German Bunsen Society for Physical Chemistry
Current research interests:	Manipulation of molecules with electromagnetic fields; cold molecules; molecular physics studies using infrared free-electron laser (IR-FEL) radiation; clusters and gas-phase biomolecules
Hobbies:	Soccer, hiking

The best advice I have ever been given is ... to follow my heart.

I like refereeing because ... it is an excellent way to stay up-to-date in the research field.

What I look for first in a publication is ... the figures and their captions.

The most important thing I learned from my parents is ... to work hard and to behave normal.

I chose physics as a career because ... I considered it to be more fundamental than chemistry.

My best investment was ... my “De Waard”.

My not-so-secret passion is ... soccer.

If I were not a scientist, I would be ... a farmer.

My worst nightmare is ... that somebody hurts him- or herself while working in my laboratory.

The most exciting thing about my research is ... that I never know what the next day will bring.

I can never resist ... a good glass of red wine.

My favorite author is ... John Steinbeck.

My favorite food is ... Mexican food.

My 5 top papers:

1. “Laser deposition of carbon clusters on surfaces: A new approach to the study of fullerenes”: G. Meijer, D. S. Bethune, *J. Chem. Phys.* **1990**, 93, 7800–7802. (Fullerenes can be deposited on a surface and are air-stable; this was my entry into fullerene research.)
2. “Cavity enhanced absorption and cavity enhanced magnetic rotation spectroscopy”: R. Engeln, G. Berden, R. Peeters, G. Meijer, *Rev. Sci. Instr.* **1998**, 69, 3763–3769. (A new approach to performing sensitive, high-resolution direct absorption and optical rotation spectroscopy.)
3. “Decelerating Neutral Dipolar Molecules”: H. L. Bethlem, G. Berden, G. Meijer, *Phys. Rev. Lett.* **1999**, 83, 1558–1561. (A novel experimental method to slow a beam of polar molecules; introduction of the Stark decelerator.)
4. “Structure Determination of Isolated Metal Clusters via Far-Infrared Spectroscopy”: A. Fielicke, A. Kirilyuk, C. Ratsch, J. Behler, M. Scheffler, G. von Hellden, G. Meijer, *Phys. Rev. Lett.* **2004**, 93, 023401. (The first experimental determination of the IR spectra, and thereby the structure, of small, pure metal clusters in the gas phase.)
5. “Trapping Molecules on a Chip”: S. A. Meek, H. Conrad, G. Meijer, *Science* **2009**, 324, 1699–1702. (Molecules moving with a high speed in a molecular beam can be brought to a standstill at close distance above a chip.)

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