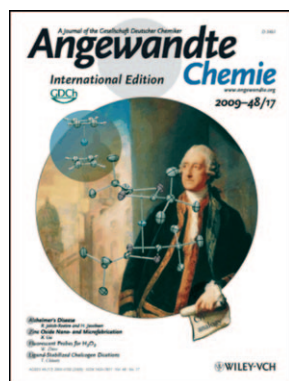




K. Lammertsma

The author presented on this page has recently published his **10th article** since 2000 in *Angewandte Chemie*: “ $\eta^3$ -Diphosphavinylcarbene: A  $P_2$  Analogue of the Dötz Intermediate”: H. Aktas, J. C. Slootweg, A. W. Ehlers, M. Lutz, A. L. Spek, K. Lammertsma, *Angew. Chem.* **2009**, 121, 3154–3157; *Angew. Chem. Int. Ed.* **2009**, 48, 3108–3111.



K. Lammertsma has also featured on the cover of *Angewandte Chemie*: “A Phosphorus Analogue of Bis( $\eta^4$ -cyclobutadiene)-iron(0)”: R. Wolf, J. C. Slootweg, A. W. Ehlers, F. Hartl, B. de Bruin, M. Lutz, A. L. Spek, K. Lammertsma, *Angew. Chem.* **2009**, 121, 3037; *Angew. Chem. Int. Ed.* **2009**, 48, 2993.

## Koop Lammertsma

|                                    |  |
|------------------------------------|--|
| <b>Date of birth:</b>              | August 29, 1949  |
| <b>Nationality:</b>                | Dutch  |
| <b>Position:</b>                   | Professor of Organic Chemistry, VU University, Amsterdam   |
| <b>Education:</b>                  | 1967–1974 MSc in chemistry with Hans Wynberg, University of Groningen<br>1975–1979 PhD in chemistry with Hans Cerfontain, “Electrophilic aromatic Substitution”, University of Amsterdam<br>1980 Postdoctoral Fellow with Franz Sondheimer, University College London<br>1980–1981 Postdoctoral Fellow with P. von R. Schleyer, University of Erlangen<br>1981–1983 Postdoctoral Fellow with George A. Olah, University of Southern California |
| <b>Awards:</b>                     | 2001 Atomic Energy Science Chair of the University of Hyderabad, India<br>2003 JSPC Fellowship for Research in Japan   |
| <b>Current research interests:</b> | Developing and applying synthetic methods, reagents, building blocks, ligands, organometallic complexes, and catalysts that feature the element phosphorus; acquiring mechanistic understanding with computational chemistry to predict structures, stabilities, properties, and reactivities; developing organosilicates; theoretical studies on the functioning of metalloenzymes.   |
| <b>Hobbies:</b>                    | Watching movies, traveling, nature, cycling  |

**The most exciting thing about my research is...**to create new molecules and new concepts.

**When I was eighteen I wanted to be...**an industrial chemist.

**My favorite subject at school was...**maths until I got a chemistry teacher who let me do experiments.

**My favorite piece of research is...**the disappearing C–C bond in small clusters.

**If I could have dinner with three famous scientists from history, they would be...**van’t Hoff, Staudinger, and Wittig.

**I chose chemistry as a career because...**of the beauty of structures, reactions, and colors, the broad applicability in our society, and its wonderful mix in creativity, serendipity, and logic.

**My first experiment was...**an ill-fated attempt to make bromine as a schoolboy.

**If I wasn’t a scientist, I would be...**a craftsman.

**The best advice I have ever been given is...**to move on to new chemistry.

**The worst advice I have ever been given was...**keep doing what you already do best.

**The part of my job which I enjoy the most is...**to work with talented students and co-workers.

**My favorite food is...**Japanese, instilled upon me by the exquisite taste of my Japanese friends.

**The biggest challenge facing chemists is...**the sustainable use of the chemical elements.

### My 5 top papers:

1. “3*H*-Benzophosphepine Complexes: Versatile Phosphinidene Precursors”: M. L. G. Borst, R. E. Bulo, D. J. Gibney, Y. Alem, F. J. J. de Kanter, A. W. Ehlers, M. Schakel, M. Lutz, A. L. Spek, K. Lammertsma, *J. Am. Chem. Soc.* **2005**, 127, 16985–16999.
2. “The Circumambulation of a Phosphirane. Taking 9-Phenyl-9-phosphabicyclo-[6.1.0]-nona-2,4,6-triene for a ‘Walk’”: R. E. Bulo, H. Jansen, A. W. Ehlers, M. Schakel, F. J. J. de Kanter, M. Lutz, A. L. Spek, K. Lammertsma, *Angew. Chem.* **2004**, 116, 732–735; *Angew. Chem. Int. Ed.* **2004**, 43, 714–717.
3. “Dynamic Configurational Isomerism of a Stable Pentaorganosilicate”: E. P. A. Couzijn, M. Schakel, F. J. J. de Kanter, M. Lutz, A. L. Spek, K. Lammertsma, *Angew. Chem.* **2004**, 116, 3522–3524; *Angew. Chem. Int. Ed.* **2004**, 43, 3440–3442.
4. “Infrared, UV/Vis-, and W-band ESR-Spectroscopic Characterization and Photochemistry of Triplet Mesitylphosphinidene”: G. Bucher, M. L. G. Borst, A. W. Ehlers, K. Lammertsma, S. Ceola, M. Huber, D. Grote, W. Sander, *Angew. Chem.* **2005**, 117, 3353–3357; *Angew. Chem. Int. Ed.* **2005**, 44, 3289–3293.
5. “Oxygen-Oxygen Bond Splitting Mechanism in Cytochrome P450”: A. R. Groenhof, A. W. Ehlers, K. Lammertsma, *J. Am. Chem. Soc.* **2007**, 129, 6204–6209.

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