



D. Kim

Dongho Kim

Date of birth:	November 1, 1957
Position:	Professor, Department of Chemistry, Yonsei University
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Education:	1976–1980 BS, Seoul National University 1980–1984 PhD with Prof. Dewey Holten, Washington University 1984–1986 Postdoctoral research associate with Prof. Thomas G. Spiro, Princeton University
Awards:	2005 KCS–Aldrich Award (Korean Chemical Society, Sigma-Aldrich); 2006 10th Korea Science Award in Chemistry (Presidential Award); Star Faculty Award (Ministry of Education and Human Resources); 2010 National Science Achieving Excellence Award (Yonsei University)
Current research interests:	Ultrafast time-resolved spectroscopy; single-molecule spectroscopy; functional π -electronic systems
Hobbies:	Hiking, reading, and skiing

The author presented on this page has recently published his **25th article** since 2003 in *Angewandte Chemie*:

“Modulation of Dual Electronic Circuits of [26]Hexaphyrins Using Internal Aromatic Straps”: H. Mori, J. M. Lim, D. Kim, A. Osuka, *Angew. Chem.* **2013**, 125, 13235–13239; *Angew. Chem. Int. Ed.* **2013**, 52, 12997–13001.

In a spare hour, I ... go hiking in the forest and mountains.

If I could be a piece of lab equipment, I would be ... a very stable and tunable femtosecond laser.

My favorite saying is ... “do your best and don’t regret what you’ve done”.

My favorite time of day is ... when I’m drinking a coffee in the morning, before I open my e-mails.

I get advice from ... my colleagues around me.

I advise my students to ... be real professionals.

The principal aspects of my personality are ... enthusiasm and patience.

What I appreciate most about my friends is ... their trust and belief.

My favorite painter is ... Claude Monet.

My favorite piece of music is ... the Piano Concerto no. 5 by Ludwig van Beethoven.

The biggest challenge facing scientists is ... maintaining the originality of their own work.

My favorite drink is ... a glass of cool draught beer after hiking.

My 5 top papers:

1. “Directly Linked Porphyrin Arrays with Tunable Excitonic Interactions”: D. Kim, A. Osuka, *Acc. Chem. Res.* **2004**, 37, 735–745. (Time-resolved spectroscopic measurements were conducted to characterize the rates and yields of excitation energy migration processes in various forms of porphyrin arrays.)
2. “Möbius aromaticity and antiaromaticity in expanded porphyrins”: Z. S. Yoon, A. Osuka, D. Kim, *Nat. Chem.* **2009**, 1, 113–122. (Summarized contributions of several research groups that had succeeded in synthesizing Möbius-type molecules.)
3. “Determination of the Superradiance Coherence Length of Directly Linked Linear Porphyrin Arrays at the Single-Molecule Level”: J. Yang, H. Yoo, N. Aratani, A. Osuka, D. Kim, *Angew. Chem.* **2009**, 121, 4387–4391; *Angew. Chem. Int. Ed.* **2009**, 48, 4323–4327. (The excitonic interactions in directly linked porphyrin arrays are well conserved in the solid state at room temperature, and the interaction extends over four or five porphyrin units.)
4. “Aromaticity and photophysical properties of various topology-controlled expanded porphyrins”: J.-Y. Shin, K. S. Kim, M.-C. Yoon, J. M. Lim, Z. S. Yoon, A. Osuka, D. Kim, *Chem. Soc. Rev.* **2010**, 39, 2751–2767. (Described the developments of various topology-controlled expanded porphyrins and their photophysical properties in conjunction with the topological transformation between Hückel and Möbius aromaticity.)
5. “S₂ Fluorescence Dynamics of *meso*-Aryl-Substituted Subporphyrins”: J. Sung, P. Kim, S. Saga, S. Hayashi, A. Osuka, D. Kim, *Angew. Chem.* **2013**, 125, 12864–12867; *Angew. Chem. Int. Ed.* **2013**, 52, 12632–12635. (The first direct observation of S₂ fluorescence of subporphyrins.)



The work of D. Kim has been featured on the inside cover of *Angewandte Chemie*:

“Hexaphyrin Fused to Two Anthracenes”: K. Naoda, H. Mori, N. Aratani, B. S. Lee, D. Kim, A. Osuka, *Angew. Chem.* **2012**, 124, 9994–9997; *Angew. Chem. Int. Ed.* **2012**, 51, 9856–9859.

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