N. Kobayashi

Nagao Kobayashi

Date of birth:	January 21, 1950
Position:	Professor, Tohoku University
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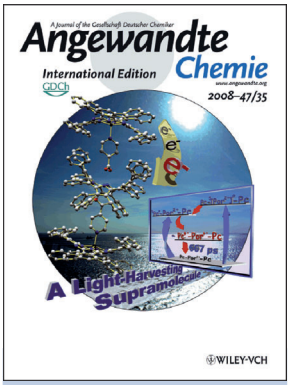
Education:	1973 Undergraduate degree, Shinshu University, Ueda 1978 Doctor of Science supervised by Masahiro Hatano, Tohoku University, Sendai 1985 Doctor of Pharmacy supervised by Tetsuo Osa, Tohoku University
Awards:	**2006** Chemical Society of Japan Award for Creative Work in the Chemistry of Giant Aromatic Molecules; **2010** Commendation for Science and Technology by the Minister of Education, Culture, Sports, Science and Technology: Prize for Science and Technology, Research Category
Current research interests:	Porphyrins, phthalocyanines, (magnetic) circular dichroism, electronic structure, aromatic macromolecules, electrochemistry
Hobbies:	Traveling, listening to classical music, learning about old cultures

*The author presented on this page has recently published his **10th article** in Angewandte Chemie in the last 10 years:*
"Superazaporphyrins: Meso-Pentaazapentaphyrins and One of Their Low-Symmetry Derivatives": T. Furuyama, Y. Ogura, K. Yoza, N. Kobayashi, *Angew. Chem.* **2012**, *124*, 11272–11276; *Angew. Chem. Int. Ed.* **2012**, *51*, 11110–11114.



The work of N. Kobayashi has been featured on the inside cover of Angewandte Chemie:
T. Kojima, T. Honda, K. Ohkubo, M. Shiro, T. Kusukawa, T. Fukuda, N. Kobayashi, S. Fukuzumi, *Angew. Chem.* **2008**, *120*, 6814–6818; *Angew. Chem. Int. Ed.* **2008**, *47*, 6712–6716.

My favorite composer is … Johann Sebastian Bach.

My favorite time of day is … after dinner, because I can relax.

If I could be any age I would be … around 40, since at that age, we are healthy and still have enough energy to pursue our purpose.

My favorite way to spend a holiday is … to go walking in nature.

The secret of being a successful scientist is … to think deeply and repeat experiments.

My favorite molecules are … porphyrinoids, since they show various activities depending on the central metal and their structures.

If I had one year of paid leave I would … like to visit several top-level laboratories.

The principal aspect of my personality is … I am warm-hearted to other people.

My favorite painter is … Johannes Vermeer.

The greatest scientific advance of the last decade was … the production of induced pluripotent stem cells.

When I was eighteen I wanted to be … a diplomat.

Chemistry is fun because … we can design compounds with desired properties.

Looking back over my career, I … was lucky, as I could get acquainted with many talented scientists.

My favorite drink is … good wine.

My 5 top papers:

1. "Cation- or Solvent-Induced Supermolecular Phthalocyanine Formation: Crown Ether Substituted Phthalocyanines": N. Kobayashi, A. B. P. Lever, *J. Am. Chem. Soc.* **1987**, *109*, 7433–7441. (The first report of eclipsed cofacial dimers.)
2. "Synthesis, Spectroscopy, and Molecular Orbital Calculations of Subazaporphyrins, Subphthalocyanines, Subnaphthalocyanines, and Compounds Derived Therefrom by Ring Expansion": N. Kobayashi, T. Ishizaki, K. Ishii, H. Konami, *J. Am. Chem. Soc.* **1999**, *121*, 9096–9110. (The first comprehensive paper on subporphyrinoids.)
3. "Substituent-Induced Circular Dichroism in Phthalocyanines": N. Kobayashi, R. Higashi, B. C. Titeca, F. Lamote, A. Ceulemans, *J. Am. Chem. Soc.* **1999**, *121*, 12018–123028. (A semiquantitative description for the circular dichroism of phthalocyanines bearing binaphthyl units.)
4. "*meso*-Aryl Subporphyrins": N. Kobayashi, Y. Takeuchi, A. Matsuda, *Angew. Chem.* **2007**, *119*, 772–774; *Angew. Chem. Int. Ed.* **2007**, *46*, 758–760. (The first report on porphyrins that consist of three pyrrole units.)
5. "Application of MCD Spectroscopy and TD-DFT to Nonplanar Core-Modified Tetrabenzoporphyrins: Effect of Reduced Symmetry on Nonplanar Porphyrinoids": J. Mack, M. Bunya, Y. Shimizu, H. Uoyama, N. Komobuchi, T. Okujima, H. Uno, S. Ito, M. J. Stillman, N. Ono, N. Kobayashi, *Chem. Eur. J.* **2008**, *14*, 5001–5020. (The relationship between the symmetry and observed spectroscopic properties of porphyrinoids).

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