T. Kawase

*The author presented on this page has recently published his **10th article** since 2000 in Angewandte Chemie:* "Dinaphthopentalenes: Pentalene Derivatives for Organic Thin-Film Transistors": T. Kawase, T. Fujiwara, C. Kitamura, A. Konishi, Y. Hirao, K. Matsumoto, H. Kurata, T. Kubo, S. Shinamura, H. Mori, E. Miyazaki, K. Takimiya, *Angew. Chem.* **2010**, *122*, 7894 – 7898; *Angew. Chem. Int. Ed.* **2010**, *49*, 7728 – 7732.

Takeshi Kawase

Date of birth:	December 4, 1958
Position:	Professor of Chemistry, Department of Materials Science and Chemistry, University of Hyogo (Japan)
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Education:	1977–1981 BS in Chemistry, Tohoku University (Japan) 1981–1986 MS and PhD with Prof. Masaji Oda, Osaka University (Japan) 1986–1987 Postdoc with Prof. Satoru Masamune, MIT, Cambridge (USA)
Awards:	2009 The Kannsai-shibu Award of The Society of Synthetic Organic Chemistry, Japan
Current research interests:	Synthesis, structure, and supramolecular properties of curved conjugated systems; design and synthesis of functional dyes for application in organic devices
Hobbies:	Playing the guitar, reading history books, playing tennis

My favorite subject at school was … history.

When I wake up I … make two cups of coffee for my wife and myself.

My favorite piece of research is … synthesis of organic molecules with novel structure and properties.

The three qualities that make a good scientist are … curiosity, concentration, and patience.

My science "hero" is … Professor Satoru Masamune.

I chose chemistry as a career because … synthetic chemists can prepare new molecules by themselves.

My first experiment was … the separation of reaction products using a 1 m long chromatography column.

If I were not a scientist I would be … a teacher.

My most exciting discovery to date has been … the synthesis of belt-shaped conjugated systems (carbon nanorings).

The most exciting thing about my research is … the construction of onion-type complexes based on carbon nanorings and a buckminsterfullerene.

My biggest motivation is … curiosity.

The part of my job which I enjoy the most is … teaching.

My favorite writer (fiction) is … Ryotaro Shiba.

My favorite writer (science) is … Stephen Jay Gould.

My favorite books are … history books.

The most significant advance in chemistry in the last hundred years has been … the chemistry of catalysts.

The biggest problem that scientists face is … to solve the global energetic problem.

My 5 top papers:

1. "Complexation of a Carbon Nanoring with Fullerenes": T. Kawase, K. Tanaka, N. Fujiwara, H. R. Darabi, M. Oda, *Angew. Chem.* **2003**, *115*, 1662 – 1666; *Angew. Chem. Int. Ed.* **2003**, *42*, 1624 – 1628.
2. "Onion-Type Complexation Based on Carbon Nanorings and a Buckminsterfullerene": T. Kawase, K. Tanaka, N. Shiono, Y. Seirai, M. Oda, *Angew. Chem.* **2004**, *116*, 1754 – 1756; *Angew. Chem. Int. Ed.* **2004**, *43*, 1722 – 1724.
3. "Ball-, Bowl-, and Belt-Shaped Conjugated Systems and Their Complexing Abilities: Exploration of the Concave–Convex π–π Interaction": T. Kawase, H. Kurata, *Chem. Rev.* **2006**, *106*, 5250 – 5273.
4. "Dinaphthopentalenes: Pentalene Derivatives for Organic Thin-Film Transistors": T. Kawase, T. Fujiwara, C. Kitamura, A. Konishi, Y. Hirao, K. Matsumoto, H. Kurata, T. Kubo, S. Shinamura, H. Mori, E. Miyazaki, K. Takimiya, *Angew. Chem.* **2010**, *122*, 7894 – 7898; *Angew. Chem. Int. Ed.* **2010**, *49*, 7728 – 7732.
5. "Cyclic [6]- and [8]Paraphenylacetylenes": T. Kawase, H. R. Darabi, M. Oda, *Angew. Chem.* **1996**, *108*, 2803 – 2805; *Angew. Chem. Int. Ed. Engl.* **1996**, *35*, 2662 – 2664.

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