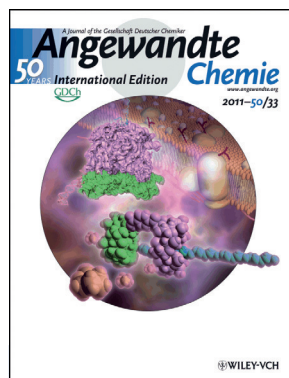




A. Harada

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

“Self-Healing, Expansion–Contraction, and Shape-Memory Properties of a Pre-organized Supramolecular Hydrogel through Host–Guest Interactions”: K. Miyamae, M. Nakahata, Y. Takashima, A. Harada, *Angew. Chem. Int. Ed.* **2015**, *54*, 8984; *Angew. Chem.* **2015**, *127*, 9112.



The work of A. Harada has been featured on the back cover of *Angewandte Chemie*:

“Artificial Molecular Clamp: A Novel Device for Synthetic Polymerases”: Y. Takashima, M. Osaki, Y. Ishimaru, H. Yamaguchi, A. Harada, *Angew. Chem. Int. Ed.* **2011**, *50*, 7524; *Angew. Chem.* **2011**, *123*, 7666.

## Akira Harada

<b>Date of birth:</b>	September 8, 1949
<b>Position:</b>	Professor, Graduate School of Science, Osaka University
<b>E-mail:</b>	harada@chem.sci.osaka-u.ac.jp
<b>Homepage:</b>	<a href="http://www.chem.sci.osaka-u.ac.jp/lab/harada/">http://www.chem.sci.osaka-u.ac.jp/lab/harada/</a>
<b>Education:</b>	1972 BS, Osaka University 1974 MS, Osaka University 1977 PhD supervised by Shun-ichi Nozakura, Osaka University 1978 Visiting scientist at the IBM Research Center, San José 1979 Postdoctoral research with Prof. J. K. Stille at Colorado State University
<b>Awards:</b>	<b>1993</b> IBM Japan Science Award; <b>1998</b> Osaka Science Award; <b>2000</b> The Award of the Society of Polymer Science, Japan (SPSJ); <b>2001</b> Cyclodextrin Award, The Society of Cyclodextrins, Japan; <b>2006</b> Medal with Purple Ribbon conferred by the Emperor of Japan; <b>2008</b> Izatt–Christensen Award in Macrocyclic Chemistry; <b>2011</b> The Chemical Society Japan Award; <b>2014</b> SPSJ Award for Outstanding Achievements in Polymer Science and Technology
<b>Current research interests:</b>	Polymer synthesis; supramolecular polymer chemistry; biomacromolecules; functionalized antibodies
<b>Hobbies:</b>	Gardening

**My biggest motivation is** unexpected results.

**I** lose track of time when I am doing experiments.

**My** favorite foods are sweets and sushi.

**My** favorite author (fiction) is Zhuang Zhou (also known as Zhuangzi; a philosopher who lived around 300 BC).

**My** favorite quote is “Science may set limits to knowledge, but should not set limits to imagination (Bertrand Russell).

**The** biggest problem that scientists face is ensuring the sustainability of mankind.

**When** I’m frustrated, I listen to classical music.

**The** most important thing I learned from my parents is to be honest, polite, and generous to others.

**My** favorite place on earth is my home.

**I** chose chemistry as a career because there was no other choice.

**My** most exciting discovery to date has been macroscopic self-assembly and self-healing of polymeric materials by molecular recognition.

### My 5 top papers:

1. “The molecular necklace: a rotaxane containing many threaded  $\alpha$ -cyclodextrins”: A. Harada, J. Li, M. Kamachi, *Nature* **1992**, *356*, 325. (An unexpected finding.)
2. “Macroscopic self-assembly through molecular recognition”: A. Harada, R. Kobayashi, Y. Takashima, A. Hashidzume, H. Yamaguchi, *Nat. Chem.* **2011**, *3*, 34. (Visualization of a molecular-level event on the macroscopic scale.)
3. “Artificial Molecular Clamp: A Novel Device for Synthetic Polymerases”: Y. Takashima, M. Osaki, Y. Ishimaru, H. Yamaguchi, A. Harada, *Angew. Chem. Int. Ed.* **2011**, *50*, 7524; *Angew. Chem.* **2011**, *123*, 7666. (A series of serendipitous findings.)
4. “Redox-responsive self-healing materials formed from host–guest polymers”: M. Nakahata, Y. Takashima, Y. Yamaguchi, A. Harada, *Nat. Commun.* **2011**, *2*, 511. (Self-healing processes take place through host–guest interactions and are controlled using redox reactions.)
5. “Metal-ion-responsive adhesive material via switching of molecular recognition properties”: T. Nakamura, Y. Takashima, A. Hashidzume, H. Yamaguchi, A. Harada, *Nat. Commun.* **2014**, *5*, 4622. (A molecular recognition event could be controlled by metal ions.)

International Edition: DOI: 10.1002/anie.201507766  
German Edition: DOI: 10.1002/ange.201507766