



T. Majima

The author presented on this page has recently published his **10th article** since 2000 in *Angewandte Chemie*: “Probing Photocatalytic Active Sites on a Single Titanosilicate Zeolite with a Redox-Responsive Fluorescent Dye”: T. Tachikawa, S. Yamashita, T. Majima, *Angew. Chem.* **2010**, 122, 442–445; *Angew. Chem. Int. Ed.* **2010**, 49, 432–435.

Tetsuro Majima

Date of birth:	July 25th, 1952
Position:	Professor, The Institute of Scientific and Industrial Research (SANKEN), Osaka University (Japan)
Education:	1971–1975 Undergraduate degree, Osaka University 1975–1977 Master, Osaka University 1977–1980 PhD with Prof. H. Sakurai and Dr. C. Pac, “Interactions and Reactions of Three Components Involving Photoelectron Transfer Mechanisms”, Osaka University 1980–1982 Postdoc with Prof. R. A. Caldwell, University of Texas at Dallas (USA) 1982–1994 Researcher, The Institute of Physical and Chemical Research (Japan)
Professional associations:	1994–1997 Associate Professor (Prof. S. Takamuku), SANKEN, Osaka University 1997–Present Professor, SANKEN, Osaka University 2007–Present Senior Editor of <i>Langmuir</i> , American Chemical Society 2009–Present WCU Adjunct Professor, Korea University (Korea)
Awards:	2000 The Japanese Photochemistry Association Award
Current research interests:	Laser photochemistry and radiation chemistry, energy transfer and electron transfer chemistry, DNA and protein chemistry, TiO ₂ photocatalysts, surface chemistry, metal clusters/nanoparticles, single-molecule chemistry, infrared multiple-photon chemistry
Hobbies:	Enjoying the beauty of nature changing from moment to moment

When I was eighteen I wanted to be ... the first person to live on the moon.

If I could be anyone for a day, I would be ... a scientist 1000 years from now.

If I could have dinner with three famous scientists from history, they would be ... Da Vinci, Newton, and Einstein.

If I were not a scientist, I would be ... a sports player and afterwards a sports writer. I want to be face-to-face with miraculous and sensational moments.

If I could be described as an animal it would be ... a whale.

The three things I would take to a desert island would be ... sake, food for the sake, and a comb (scientists should be elegant)!

In my spare time I ... enjoy delicious food and alcohol with my family, and visit historic sites.

My worst habit is ... always being positive about everything.

When I wake up I ... want to enjoy delicious cuisine with a fresh breeze, warm sunlight, birds singing, and full-bloomed cherry blossoms.

My biggest inspiration is ... talking with my co-workers, students, friends, and family.

The best advice I have ever been given is ... to perform research that is universal, creative, elegant, attractive, and inspirational to find an echo in the hearts of many young researchers in the world.

The part of my job which I enjoy the most is ... individual and original scientific research can spread over the world without any national borders.

My ultimate goal is to ... achieve world peace by means of science, and to share feelings with people in different times and spaces.

My 5 top papers:

1. “Direct Observation of Hole Transfer through double-helical DNA over 100 Å”: T. Takada, K. Kawai, M. Fujitsuka, T. Majima, *Proc. Natl. Acad. Sci.* **2004**, 101, 14002–14006.
2. “Two-laser-guided Three-dimensional Microfabrication and Processing in a Flexible Polymer Matrix”: M. Sakamoto, T. Tachikawa, M. Fujitsuka, T. Majima, *Adv. Mater.* **2008**, 20, 3427–3432.
3. “Single-Molecule Observation of Photocatalytic Reaction in TiO₂ Nanotube: Importance of Molecular Transport through Porous Structures”: K. Naito, T. Tachikawa, M. Fujitsuka, T. Majima, *J. Am. Chem. Soc.* **2009**, 131, 934–936.
4. “Sequence-Independent and Rapid Long-Range Charge Transfer through DNA”: K. Kawai, H. Kodera, Y. Osakada, T. Majima, *Nature Chem.* **2009**, 1, 156–159.
5. “Probing Photocatalytic Active Sites on a Single Titanosilicate Zeolite with a Redox-Responsive Fluorescent Dye”: T. Tachikawa, S. Yamashita, T. Majima, *Angew. Chem.* **2010**, 122, 442–445; *Angew. Chem. Int. Ed.* **2010**, 49, 432–435.

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