



T. Akasaka

The author presented on this page has recently published his **10th article** since 2000 in *Angewandte Chemie*: “Nitrated Benzyne Derivatives of La@C_{82} : Addition of NO_2 and Its Positional Directing Effect on the Subsequent Addition of Benzyne”: X. Lu, H. Nikawa, T. Tsuchiya, T. Akasaka, M. Toki, H. Sawa, N. Mizorogi, S. Nagase, *Angew. Chem.* **2010**, 122, 604–607; *Angew. Chem. Int. Ed.* **2010**, 49, 594–597.

Takeshi Akasaka

Date of birth:	August 14th, 1948
Position:	Professor of Chemistry, Center for Tsukuba Advanced Research Alliance and Graduate School of Pure and Applied Sciences, University of Tsukuba (Japan)
Education:	1974 Graduated from the Dept of Chemistry, Graduate School of Science, Tokyo University of Education, Tokyo (Japan) 1979 PhD with Prof. Shigeru Oae, University of Tsukuba (Japan) 1979–1981 Postdoc with Dr. Alfred P. Wolf, Brookhaven National Laboratory (USA)
Awards:	2001 The Chemical Society of Japan Award for Creative Work; 2000 Niigata Nippou Culture Prize; 2003 ITE Research Award, International Technology Exchange Society
Current research interests:	Development of fullerenes, metallofullerenes, endofullerenes, and carbon nanotubes with novel molecular structures and properties
Hobbies:	Tennis and baseball

My most exciting discovery to date has been ... the functionalization of endohedral metallofullerenes.

My biggest motivation is ... to realize that where there is a will, there is a way.

My favorite subject at school was ... science.

When I was eighteen I wanted to be ... a scientist.

The most significant scientific advance of the last 100 years has been ... the discovery of fullerene.

My biggest inspiration is ... my father.

The most exciting thing about my research is ... to control a circular motion of encapsulated metal atoms inside fullerene cages.

The best advice I have ever been given is ... one cannot have pain without pleasure, and one cannot have pleasure without pain.

The part of my job which I enjoy the most is ... motivating and encouraging young people.

My favorite author (fiction) is ... Arthur Conan Doyle.

My favorite collection of books is ... “The Adventures of Sherlock Holmes”.

My 5 top papers:

1. “Endohedral Metal Atoms in Pristine and Functionalized Fullerene Cages”: M. Yamada, T. Akasaka, S. Nagase, *Acc. Chem. Res.* **2010**, 43, 92–102.
2. “Isolation and Characterization of a Carbene Derivative of La@C_{82} ”: Y. Maeda, Y. Matsunaga, T. Wakahara, S. Takahashi, T. Tsuchiya, M. O. Ishitsuka, T. Hasegawa, T. Akasaka, M. T. H. Liu, K. Kokura, E. Horn, K. Yoza, T. Kato, S. Okubo, K. Kobayashi, S. Nagase, K. Yamamoto, *J. Am. Chem. Soc.* **2004**, 126, 6858–6859.
3. “ La@C_{82} Anion. An Unusually Stable Metallofullerene”: T. Akasaka, T. Wakahara, S. Nagase, K. Kobayashi, M. Waelchli, K. Yamamoto, M. Kondo, S. Shirakura, S. Okubo, Y. Maeda, T. Kato, M. Kako, Y. Nakadaira, R. Nagahata, X. Gao, E. Van Caemelbecke, K. M. Kadish, *J. Am. Chem. Soc.* **2000**, 122, 9316–9317.
4. “ ^{13}C and ^{139}La NMR Studies of $\text{La}_2\text{@C}_{80}$: First Evidence for Circular Motion of Metal Atoms in Endohedral Dimetallofullerene”: T. Akasaka, S. Nagase, K. Kobayashi, M. Waelchli, K. Yamamoto, H. Funasaka, M. Kako, T. Hoshino, T. Erata, *Angew. Chem.* **1997**, 109, 1716–1719; *Angew. Chem. Int. Ed. Engl.* **1997**, 36, 1643–1645.
5. “Exohedral Adducts of La@C_{82} ”: T. Akasaka, T. Kato, K. Kobayashi, S. Nagase, K. Yamamoto, H. Funasaka, T. Takahashi, *Nature* **1995**, 374, 600–601.

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