R.-S. Liu

*The author presented on this page has published more than **10 articles** in Angewandte Chemie in the last 10 years, most recently:* "Gold-Catalyzed Cyclization/Oxidative [3+2] Cycloadditions of 1,5-Enynes with Nitrosobenzenes without Additional Oxidants": C.-H. Chen, Y.-C. Tsai, R.-S. Liu, *Angew. Chem.* **2013**, 4697–4701; *Angew. Chem. Int. Ed.* **2013**, 4599–4603.

Rai-Shung Liu

Date of birth: October 25, 1954
Position: Professor of Chemistry, National Tsing-Hua University
E-mail: rsliu@mx.nthu.edu.tw
Homepage: http://my.nthu.edu.tw/~chem/faculty/rsliu_web/rslweb.html
Education: 1976 Bachelor's degree in Chemistry, National Tsing-Hua University
1981 PhD with Walter G. Klemperer, Columbia University, New York
1981–1982 Postdoctoral work with Jack H. Lunsford, Texas A&M University
Research: Homogeneous catalysis and new synthetic methods
Hobbies: Growing plants and flowers

My favorite food is … sashimi and Peking duck.

If I were not a scientist, I would be … a security guard for the National Parks of Taiwan.

My worst nightmare is … the administrative job I recently took over at my institute.

The most exciting thing about my research was … getting my first paper accepted by *Organometallics* in 1986.

I lose track of time when … I am reading one of my favorite fiction books.

Guaranteed to make me laugh is … to see myself dancing.

The best advice I have ever been given is … to begin your independent research on work unrelated to your PhD.

The worst advice I have ever been given was … to get A+ for every course.

I celebrate success by … taking my family or students out to dinner.

When I'm frustrated, I … share my feelings with my wife.

The most amusing chemistry adventure in my career was … to get a good crystal by using "incorrect" solvents.

If I could have dinner with three famous scientists from history, they would be … Bohr, Einstein, and Pauling.

And I would ask them … about the unforgettable things in their childhood and teenage years.

My favorite place on earth is … on the seashore in Eastern Taiwan.

My 5 top papers:

1. "Retention of Stereochemistry in Gold-Catalyzed Formal [4+3] Cycloaddition of Epoxides with Arenynamides": S. N. Karad, S. Bhunia, R.-S. Liu, *Angew. Chem.* **2012**, *124*, 8852–8856; *Angew. Chem. Int. Ed.* **2012**, *51*, 8722–8725. (A front-side S_N2-type attack can occur with the retention of configuration.)
2. "Gold-Catalyzed Intermolecular [4+2] and [2+2+2] Cycloadditions of Ynamides with Alkenes": R. B. Dateer, B. S. Shaibu, R.-S. Liu, *Angew. Chem.* **2012**, *124, 117–121; Angew. Chem. Int. Ed.* **2012**, 51, 113–117; *Angew. Chem. Int. Ed.* **2012**, *51*, 113–117. (A Lewis acid catalyzed intermolecular reaction between alkenes and alkynes.)
3. "Gold-Catalyzed Oxidative Cyclizations on 1,4-Enynes: Evidence for a γ-Substituent Effect on Wagner–Meerwein Rearrangements": S. Ghorpade, M.-D. Su, R.-S. Liu, *Angew. Chem.* **2013**, *125*, 4323–4328; *Angew. Chem. Int. Ed.* **2013**, *52*, 4229–4234. (A stereospecific 1,2-shift is determined by the orientation of the neighboring gold complex fragment, rather by the migrating group.)
4. "Gold-Catalyzed 1,2-Difunctionalizations of Aminoalkynes Using only N- and O-Containing Oxidants": A. Mukherjee, R. B. Dateer, R. Chaudhuri, S. Bhunia, S. N. Karad, R.-S. Liu, *J. Am. Chem. Soc.* **2011**, *133*, 15372–15374. (Two distinct 1,2-difunctionalizations of aminoalkynes using two different oxidants.)
5. "Gold-Catalyzed Stereoselective Synthesis of Azacyclic Compounds through a Redox/[2+2+1] Cycloaddition Cascade of Nitroalkyne Substrates": A. M. Jadhav, S. Bhunia, H.-Y. Liao, R.-S. Liu, *J. Am. Chem. Soc.* **2011**, *133*, 1769–1771. (The title reaction can be applied to readily available 1-ethynyl-2-nitrobenzenes and alkenes.)

DOI: 10.1002/anie.201303136