L. S. Wang

*The author presented on this page has published more than **20 articles** since 2000 in Angewandte Chemie, most recently:*
"$[B_{30}]^-$: A Quasiplanar Chiral Boron Cluster": W. L. Li, Y.-F. Zhao, H.-S. Hu, J. Li, L.-S. Wang, *Angew. Chem.* **2014**, *126*, 5646–5651; *Angew. Chem. Int. Ed.* **2014**, *53*, 5540–5545.

Lai-Sheng Wang

Date of birth:	August 20, 1961
Position:	Professor of Chemistry, Brown University
E-mail:	Lai-Sheng_Wang@brown.edu
Homepage:	http://casey.brown.edu/chemistry/research/LSWang/
Education:	1982 BS in Chemistry, Wuhan University 1989 PhD with Yuan T. Lee and David A. Shirley, University of California, Berkeley 1990–1992 Postdoctoral research associate with Richard E. Smalley, Rice University
Awards:	**2003** Fellow of the American Physical Society; **2005** John Simon Guggenheim Memorial Foundation Fellowship; **2006** Humboldt Research Award; **2007** Fellow of the American Association for the Advancement of Science; **2014** Earle K. Plyler Prize for Molecular Spectroscopy and Dynamics, American Physical Society
Current research interests:	Anion photoelectron spectroscopy; boron and boride clusters; gold and doped-gold clusters; synthesis of ligand-protected gold nanoclusters; photodetachment of multiply charged anions; electrospray ionization; cryogenic ion cooling; high-resolution photoelectron imaging; aromaticity; borophenes; all-boron fullerenes
Hobbies:	Music, biking, reading, nature

My favorite molecule is … C_{60}.

My favorite saying is … "Results not published equals experiments not done".

If I could be any age I would be … 20.

My favorite time of day is … the morning.

I advise my students to … enjoy what they are doing.

My favorite way to spend a holiday is … with my family.

If I had one year of paid leave I would … travel the world.

My favorite painter is … Marc Chagall.

My favorite composer is … Ludwig van Beethoven.

My motto is … "one footprint per step" (a literal translation of a Chinese saying that means make a mark for every step).

When I was eighteen I wanted to be … a chemistry teacher.

If I could be described as an animal it would be … a bull, which also happens to be the zodiac sign of the year I was born.

Chemistry is fun because … there are infinite ways to put atoms together to make new molecules and new substances.

My favorite drink is … beer.

My 5 top papers:

1. "Observation of negative electron-binding energy in a molecule": X. B. Wang, L. S. Wang, *Nature* **1999**, *400*, 245–248. (The first experimental observation that a multiply charged anion possesses a negative electron binding energy.)
2. "Observation of All-Metal Aromatic Molecules": X. Li, A. E. Kuznetsov, H. F. Zhang, A. I. Boldyrev, L. S. Wang, *Science* **2001**, *291*, 859–861. (The first observation that a metal cluster consisting of four aluminum atoms can display aromatic properties.)
3. "Au_{20}: A Tetrahedral Cluster": J. Li, X. Li, H. J. Zhai, L. S. Wang, *Science* **2003**, *299*, 864–867. (The smallest golden pyramid and the most beautiful gold cluster, which one day may become a valuable catalyst.)
4. "Observation of the Highest Coordination Number in Planar Species: Decacoordinated $Ta©B_{10}^-$ and $Nb©B_{10}^-$ Anions": T. R. Galeev, C. Romanescu, W. L. Li, L. S. Wang, A. I. Boldyrev, *Angew. Chem.* **2012**, *124*, 2143–2147; *Angew. Chem. Int. Ed.* **2012**, *51*, 2101–2105. (Metal–boron molecular wheels that completely defy chemical rules.)
5. "Planar hexagonal B_{36} as a potential basis for extended single-atom layer boron sheets": Z. A. Piazza, H. S. Hu, W. L. Li, Y. F. Zhao, J. Li, L. S. Wang, *Nature Commun.* **2014**, *5*, 3113. (The first report of the concept of borophene and experimental evidence for its viability.)

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