



S. Q. Yao

The author presented on this page has published more than **10 articles** in *Angewandte Chemie* in the last 10 years, most recently: "A Small-Molecule Protein–Protein Interaction Inhibitor of PARP1 That Targets Its BRCT Domain": Z. Na, B. Peng, S. Ng, S. Pan, J.-S. Lee, H.-M. Shen, S. Q. Yao, *Angew. Chem. Int. Ed.* **2015**, *54*, 2515; *Angew. Chem.* **2015**, *127*, 2545.

## Shao Q. Yao

**Date of birth:** January 31, 1970  
**Position:** Professor, Department of Chemistry, National University of Singapore  
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**Education:** 1993 BSc, Ohio State University  
 1998 PhD with Jean Chmielewski, Purdue University  
 1998–2001 Postdoctoral positions with Peter G. Schultz at the University of California, Berkeley, and The Scripps Research Institute, La Jolla  
**Awards:** **2002** BMRC Young Investigator Award; **2006** Mr. & Mrs. Sun Chan Memorial Award; **2008** ASAIHL-Scopus Young Scientist Award (Runner-up); **2013** Asia Rising Stars Lectureship, Singapore National Institute of Chemistry  
**Current research interests:** Chemical biology and chemical proteomics; chemical biology of enzymes; drug profiling; microarrays; two-photon enzyme-detecting sensors  
**Hobbies:** Traveling, watching TV/movies

### My favorite author (fiction) is Dan Brown.

My favorite motto is "Do your best".

My top three films of all time are *The Lord of the Rings* (Trilogy).

My favorite piece of music is whatever my two kids play on their piano.

If I won the lottery, I would retire and travel the world with my wife.

When I'm frustrated, I stop working for a while.

The most important thing I learned from my parents is that anything is possible.

My favorite place on earth is Toronto.

I chose chemistry as a career because when I was 20, I thought it was easier to get a job in chemistry.

My secret/not-so-secret passion is American football.

If I were not a scientist, I would be an architect.

My greatest achievement has been my two lovely daughters (Samantha and Cassandra).

The most exciting thing about my research is that I get to confirm my hypotheses.

My biggest motivation is my wife.

I would have liked to have discovered the polymerase chain reaction.

### My 5 top papers:

1. "Developing Photoactive Affinity Probes for Proteomic Profiling: Hydroxamate-Based Probes for Metalloproteases": E. W. S. Chan, S. Chattopadhyaya, R. C. Panicker, X. Huang, S. Q. Yao, *J. Am. Chem. Soc.* **2004**, *126*, 14435. (The concept of affinity-based proteome profiling (A/BP) was introduced.)
2. "Activity-Based Proteome Profiling of Potential Cellular Targets of Orlistat—An FDA-Approved Drug with Anti-Tumor Activities": P.-Y. Yang, K. Liu, M. H. Ngai, M. J. Lear, M. R. Wenk, S. Q. Yao, *J. Am. Chem. Soc.* **2010**, *132*, 656. (Cell-based proteome profiling and off-target identification of covalent drugs.)
3. "Microarray-Assisted High-Throughput Identification of a Cell-Permeable Small Molecule Binder of 14-3-3 Proteins": H. Wu, J. Ge, S. Q. Yao, *Angew. Chem. Int. Ed.* **2010**, *49*, 6528; *Angew. Chem.* **2010**, *122*, 6678. (Rapid discovery of cell-permeable, protein–protein-interaction (PPI) inhibitors.)
4. "Cell-Based Proteome Profiling of Potential Dasatinib Targets by Use of Affinity-Based Probes": H. Shi, C.-J. Zhang, G. Y. J. Chen, S. Q. Yao, *J. Am. Chem. Soc.* **2012**, *134*, 3001. (In situ off-target identification of noncovalent drugs.)
5. "A sensitive two-photon probe to selectively detect monoamine oxidase B activity in Parkinson's disease models": L. Li, C.-W. Zhang, G. Y. J. Chen, B. Zhu, C. Chai, Q.-H. Xu, E.-K. Tan, Q. Zhu, K.-L. Lim, S. Q. Yao, *Nat. Commun.* **2014**, *5*, 3276. (First reported MAOB-specific two-photon imaging probe.)

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