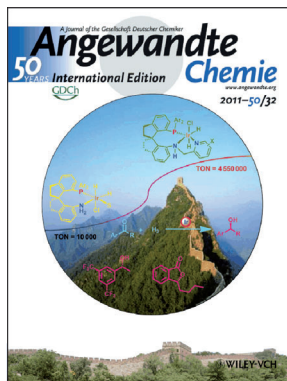




Q.-L. Zhou

The author presented on this page has published more than **10 articles** in *Angewandte Chemie* in the last 10 years, most recently: "Enantioselective Iridium-Catalyzed Hydrogenation of β,γ -Unsaturated Carboxylic Acids: An Efficient Approach to Chiral 4-Alkyl-4-aryl Butanoic Acids": S. Song, S.-F. Zhu, S. Yang, S. Li, Q.-L. Zhou, *Angew. Chem.* **2012**, 124, 2762–2765; *Angew. Chem. Int. Ed.* **2012**, 51, 2708–2711.



The work of Q.-L. Zhou has been featured on the back cover of *Angewandte Chemie*: "An Additional Coordination Group Leads to Extremely Efficient Chiral Iridium Catalysts for Asymmetric Hydrogenation of Ketones": J.-H. Xie, X.-Y. Liu, J.-B. Xie, L.-X. Wang, Q.-L. Zhou, *Angew. Chem.* **2010**, 122, 7467–7470; *Angew. Chem. Int. Ed.* **2011**, 50, 7329–7332.

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Awards:	2005 Prize for Creation in Organic Synthesis (Chinese Chemical Society); 2006 Yao-Zeng Huang Prize of Organometallic Chemistry (Chinese Chemical Society); 2007 JSPS Fellowship Award
Current research interests:	Development of highly efficient catalysts, synthetic methods, and synthesis of biologically active compounds
Hobbies:	Reading books, drinking tea, traveling, walking

The best stage in a scientist's career is ... the first ten years of independent research.

The best advice I have ever been given is ... studying science instead of liberal arts.

If I won the lottery, I would ... build a new laboratory and do my research without having to apply for grants.

The most important thing I learned from my parents is ... persistence, especially when things are difficult.

In my opinion, the word "scientist" means ... people who like to dream and try to realize their dreams.

If I could have dinner with three famous scientists from history, they would be ... Galileo, Darwin, and Einstein.

If I were not a scientist, I would be ... an excellent farmer because I always feel comfortable in the countryside and have planted crops for a couple of years.

My most exciting discovery to date have been ... chiral spiro ligands and catalysts, which are highly efficient in many asymmetric reactions.

When I'm frustrated I ... go for a walk alone.

My favorite song is ... the Chinese folk song "The Moon in Water".

My 5 top papers:

1. "An Additional Coordination Group Leads to Extremely Efficient Chiral Iridium Catalysts for Asymmetric Hydrogenation of Ketones": J.-H. Xie, X.-Y. Liu, J.-B. Xie, L.-X. Wang, Q.-L. Zhou, *Angew. Chem.* **2011**, 123, 7467–7470; *Angew. Chem. Int. Ed.* **2011**, 50, 7329–7332. (These catalysts can produce chiral alcohols with the highest turnover number reported to date.)
2. "Highly enantioselective palladium-catalyzed umpolung allylation of aldehydes": S.-F. Zhu, X.-C. Qiao, Y.-Z. Zhang, L.-X. Wang, Q.-L. Zhou, *Chem. Sci.* **2011**, 2, 1135–1140. (The most efficient reaction of this type reported to date.)
3. "Enantioselective iron-catalysed O–H bond insertions": S.-F. Zhu, Y. Cai, H.-X. Mao, J.-H. Xie, Q.-L. Zhou, *Nature Chemistry* **2010**, 2, 546–551. (The iron complexes of spirobisoxazoline ligands proved to be the most efficient chiral catalysts for these reactions.)
4. "Catalytic Asymmetric Reaction with Water: Enantioselective Synthesis of α -Hydroxyesters by a Copper–Carbenoid O–H Insertion Reaction": S.-F. Zhu, C. Chen, Y. Cai, Q.-L. Zhou, *Angew. Chem.* **2008**, 120, 946–948. (The enantioselective insertion reaction of α -diazoesters with water catalyzed by copper complexes.)
5. "Iridium-Catalyzed Enantioselective Hydrogenation of α,β -Unsaturated Carboxylic Acids": S. Li, S.-F. Zhu, C.-M. Zhang, S. Song, Q.-L. Zhou, *J. Am. Chem. Soc.* **2008**, 130, 8584–8585. (A useful method for the synthesis of enantiopure carboxylic acids.)

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