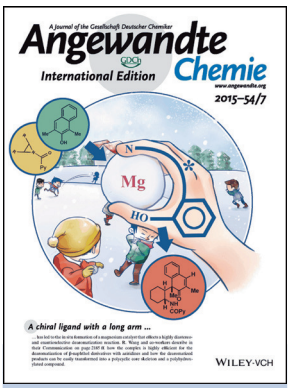
R. Wang

*The author presented on this page has published more than **10 articles** in Angewandte Chemie in the last 10 years, most recently:*
"Application of a C–C Bond-Forming Conjugate Addition Reaction in Asymmetric Dearomatization of β-Naphthols": D. Yang, L. Wang, M. Kai, D. Li, X. Yao, R. Wang, *Angew. Chem. Int. Ed.* **2015**, *54*, 9523; *Angew. Chem.* **2015**, *127*, 9659.




*The work of R. Wang has been featured on the inside back cover of Angewandte Chemie:*
"Intermolecular Enantioselective Dearomatization Reaction of β-Naphthol Using *meso*-Aziridine: A Bifunctional In Situ Generated Magnesium Catalyst": D. Yang, L. Wang, F. Han, D. Li, D. Zhao, R. Wang, *Angew. Chem. Int. Ed.* **2015**, *54*, 2185; *Angew. Chem.* **2015**, *127*, 2213.

# Rui Wang

| | |
|---|---|
| **Date of birth**: | May 25, 1963 |
| **Position**: | Professor of Medicinal Chemistry and Organic Chemistry, Lanzhou University |
| **E-mail**: | wangrui@lzu.edu.cn |
| **Education**: | 1982 BSc, Lanzhou University<br>1988 PhD supervised by Prof. Yaozu Chen and Prof. K. Fuji, Lanzhou University and Kyoto University<br>1989–1993, Postdoctoral work supervised by Prof. Yulin Li (Lanzhou University) and Prof. Fusao Takusagawa (University of Kansas, USA) |
| **Awards**: | **2004** Cheung Kong Professorship; **2005** Outstanding Young Scientist Award, National Natural Science Foundation of China; **2009** State Natural Science Award (2nd Class); **2013** Science and Technology Award (1st Class), Chinese Pharmaceutical Association; **2014** Natural Science Award (1st Class), Ministry of Education of China |
| **Current research interests**: | Asymmetric catalysis; medicinal chemistry; peptides; discovery of peptide drugs and chiral drugs |
| **Hobbies**: | Reading, travelling, table tennis |

**My favorite composer is** Ludwig van Beethoven.

**My favorite painter is** Qi Baishi (a famous Chinese painter).

**My favorite drinks are** green tea and wine.

**The most important thing I learned from my students is** to work hard and be smart.

**My favorite quote is** "Anyone who stops learning is old, whether at twenty or eighty. Anyone who keeps learning stays young" (Henry Ford).

**Chemistry is fun because** I like to create new molecules to treat disease.

**My biggest inspiration is** nature.

**My favorite time of day is** the evening, when I read or go for a walk.

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

**I advise my students to** first be a good person and second be a good chemist.

**My science "heroes" are** the co-workers and graduates in my lab.

**My 5 top papers:**

1. "A Unique Approach to the Concise Synthesis of Highly Optically Active Spirooxazolines and the Discovery of a More Potent Oxindole-Type Phytoalexin Analogue": X. Jiang, Y. Cao, Y. Wang, L. Liu, F. Shen, R. Wang, *J. Am. Chem. Soc.* **2010**, *132*, 15328. (Discovery of a novel type of thiourea catalyst for the synthesis of spirooxazolines with antipyretic activity.)
2. "Catalytic Asymmetric Activation of a $C_{sp^3}$–H Bond Adjacent to a Nitrogen Atom: A Versatile Approach to Optically Active α-Alkyl α-Amino Acids and C1-Alkylated Tetrahydroisoquinoline Derivatives": G. Zhang, Y. Zhang, R. Wang, *Angew. Chem. Int. Ed.* **2011**, *50*, 10429; *Angew. Chem.* **2011**, *123*, 10613. (The asymmetric cross-dehydrogenative coupling (CDC) reaction between two $C_{sp^3}$–H bonds was realized.)
3. "A New Class of Highly Potent and Selective Endomorphin-1 Analogues Containing α-Methylene-β-aminopropanoic Acids (Map)": Y. Wang, Y. Xing, X. Liu, H. Ji, M. Kai, Z. Chen, J. Yu, D. Zhao, H. Ren, R. Wang, *J. Med. Chem.* **2012**, *55*, 6224. (The analogues showed improved pharmacological activities compared to endomorphin-1 itself.)
4. "Enantioselective Metal/Organo-Catalyzed Aerobic Oxidative $sp^3$C–H Olefination of Tertiary Amines Using Molecular Oxygen as the Sole Oxidant": G. Zhang, Y. Ma, S. Wang, Y. Zhang, R. Wang, *J. Am. Chem. Soc.* **2012**, *134*, 12334. (An efficient and environmentally friendly approach.)
5. "Construction of Vicinal All-Carbon Quaternary Stereocenters by Catalytic Asymmetric Alkylation Reaction of 3-Bromooxindoles with 3-Substituted Indoles: Total Synthesis of (+)-Perophoramidine": H. Zhang, L. Hong, H. Kang, R. Wang, *J. Am. Chem. Soc.* **2013**, *135*, 14098. (Application of a $Ni^{II}$ catalyst in the key step of the asymmetric synthesis of (+)-perophoramidine.)

**International Edition: DOI: 10.1002/anie.201509705**
**German Edition: DOI: 10.1002/ange.201509705**