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## 研究兴趣

不对称合成，有机光化学

## 代表性论文

1. Fengnian Ma, Lin Ai, Xiumin Shen, and Cong Zhang\*, New Macrocyclic Compound as Chiral Shift Reagent for Carboxylic Acids, *Organic Letters*, 9, 125-127, (2007)
2. Wenge Wang, Fengnian Ma, Xiumin Shen and Cong Zhang\*, New chiral auxiliaries derived from (S)- $\alpha$ -phenylethylamine as chiral solvating agents for carboxylic acids, *Tetrahedron: Asymmetry* 18, 832-837, (2007)
3. Fengnian Ma, Xiumin Shen, Jie Ou-Yang, Zhiwei Deng and Cong Zhang\*, Macrocyclic compounds as chiral solvating agents for phosphinic, phosphonic, and phosphoric acids, *Tetrahedron: Asymmetry* 19, 31-37, (2008)
4. Wenge Wang, Xiumin Shen, Fengnian Ma, Zijing Li, Cong Zhang\*, Chiral amino alcohols derived from natural amino acids as chiral solvating agents for carboxylic acids, *Tetrahedron: Asymmetry* 19, 1193-1199, (2008)
5. Fengnian Ma, Xiumin Shen, Xin Ming, Junmei Wang, Jie Ou-Yang, Cong Zhang\*, The novel macrocyclic compounds as chiral solvating agents for determination of enantiomeric excess of carboxylic acids, *Tetrahedron: Asymmetry* 19, 1576-1586, (2008)