



H. Tian

The author presented on this page has recently published his **10th article** in *Angewandte Chemie* in the last 10 years:

“Separation of Photoactive Conformers Based on Hindered Diarylethenes: Efficient Modulation in Photocyclization Quantum Yields”: W. Li, C. Jiao, X. Li, Y. Xie, K. Nakatani, H. Tian, W. Zhu, *Angew. Chem.* **2014**, 126, 4691–4695; *Angew. Chem. Int. Ed.* **2014**, 53, 4603–4607.



The work of H. Tian has been featured on the inside back cover of *Angewandte Chemie*:

“Electrodeposition of Single-Metal Nanoparticles on Stable Protein 1 Membranes: Application of Plasmonic Sensing by Single Nanoparticles”: L.-X. Qin, Y. Li, D.-W. Li, C. Jing, B.-Q. Chen, W. Ma, A. Heyman, O. Shoseyov, I. Willner, H. Tian, Y.-T. Long, *Angew. Chem.* **2012**, 124, 144–148; *Angew. Chem. Int. Ed.* **2012**, 51, 140–144.

He Tian

Date of birth: July 22, 1962
Position: Professor, Institute of Fine Chemicals, East China University of Science & Technology (ECUST), Shanghai
E-mail: tianhe@ecust.edu.cn
Education: 1978–1982 BS, Nanjing University of Science & Technology
 1983–1986 MS, ECUST
 1986–1989 PhD supervised by Prof. Zhenghua Zhu, ECUST
 1991–1993 Postdoctoral researcher (supported by the Alexander von Humboldt Foundation) with Prof. Karl H. Drexhage, University of Siegen
Awards: **2000** Second Prize of the National Scientific and Technology Advancement Awards;
2007 Second Prize of the State Natural Science Award of China
Current research interests: Functional organic dyes; fluorescent chemosensors; supramolecular machines; organic photochromic materials
Hobbies: Reading, watching movies

My worst nightmare is ... falling off a high mountain.

I lose track of time when ... I read my favorite fiction books.

Guaranteed to make me laugh is ... Mr. Bean.

The best advice I have ever been given is ... to be pure both in soul and wisdom (心智双清).

I celebrate success by ... climbing a mountain.

When I'm frustrated, I ... stop what I am doing and go outside or read a novel.

My favorite fiction is ... *Three Body* (三体) by Liu Cixin.

My favorite food is ... Xinjiang cuisine.

My favorite saying is ... “just make your best effort”.

What I look for first in a publication is ... the motivation and idea behind the work.

If I won the lottery, I would ... buy or build an art museum.

The most important thing I learned from my parents is ... persistence.

I chose chemistry as a career because ... my high school teacher selected it for me when I was 16, and then I liked it.

If I were not a scientist, I would be ... a painter.

My 5 top papers:

1. “A Half-Adder Based on a Photochemically Driven [2]Rotaxane”: D.-H. Qu, Q.-C. Wang, H. Tian, *Angew. Chem.* **2005**, 117, 5430–5433; *Angew. Chem. Int. Ed.* **2005**, 44, 5296–5299. (The first step toward the construction of a supramolecular abacus for direct and complicated arithmetic.)
2. “A selective fluorescent ratiometric chemodosimeter for mercury ion”: B. Liu, H. Tian, *Chem. Commun.* **2005**, 3156–3158. (The first reported dual fluorescent and colorimetric-reaction-based indicator for mercury ions.)
3. “Color-tunable Solid State Emission of 2,2'-Biindenyl-Based Fluorophores”: Z. Zhang, B. Xu, J. Su, L. Shen, Y. Xie, H. Tian, *Angew. Chem.* **2011**, 123, 11858–11861; *Angew. Chem. Int. Ed.* **2011**, 50, 11654–11657. (Highly valuable for the further design of relevant compounds with tunable solid-state emissions.)
4. “A Dual-Modality Photoswitchable Supramolecular Polymer”: Q. Zhang, D.-H. Qu, J. Wu, X. Ma, Q. Wang, H. Tian, *Langmuir* **2013**, 29, 5345–5350. (An unusual material can switch between polymers from two different classes upon irradiation with light.)
5. “Starburst Triarylamine Based Dyes for Efficient Dye-sensitized Solar Cells”: Z. Ning, Q. Zhang, W. Wu, H. Pei, B. Liu, H. Tian, *J. Org. Chem.* **2008**, 73, 3791–3797. (Dyes with starburst triphenylamine donor or larger donors would be promising candidates for efficient dye-sensitized solar cells.)

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