

# CURRICULUM VITAE

## HAO WANG

Department of Molecular & Medical  
Pharmacology  
Crump Institute for Molecular Imaging  
David Geffen School of Medicine at UCLA  
700 Westwood Plaza  
Los Angeles, CA 90095-1770  
Lab: (310) 206-7320  
Email: haowang@mednet.ucla.edu

## EDUCATION

- July, 2007 – up to now      Postdoctoral Researcher, Department of Molecular and Medical Pharmacology, David Geffen School of Medicine at UCLA
- Sept., 2005 – July, 2007      Alexander von Humboldt Fellow and Postdoctoral Research Associate in Institute of Organic Chemistry, Röntgen Research Center for Complex Material Systems, University of Würzburg, Germany.
- Sept., 2000 – July, 2005      As a Ph. D. Candidate Under the Supervision of Professor Yu LIU (at Department of Chemistry, Nankai University, Tianjin, CHINA), and Obtain the Ph. D Degree in July, 2005.
- Sept., 1996 – June, 2000      B.S. at the Department of Chemistry, Nankai University, China.

## AWARDS AND HONORS

Alexander von Humboldt Fellowship in 2005.  
Scholarship of Chinese Academy of Science in 2004.  
“Yang Shi-xian” award in 2004.  
“Top Ten Graduates of Nankai University” award in 2004.  
Second-Class Scholarship of Nankai University in 2001, 2002 and 2003.  
Excellent Graduate of Nankai University in 2000.

## LIST OF PUBLICATIONS AND BOOKS

### BOOKS

Liu, Y., Zhang, H.-Y., Li, L. and **Wang, H.** (2005): Nano-sized Supramolecular Chemistry: From Artificial Receptors to Functional Assemblies (*in Chinese*). *Chemical Industry Press*.

### PAPERS

- [1]. Supramolecular Construction of Fluorescence *J*-Aggregates Based on Hydrogen-Bonded Perylene Dyes  
Theo. E. Kaiser, **Hao Wang**, Vladimir Stepanenko, Frank Würthner\*. *Angew Chem.*

*Int. Ed.* **2007**, *46*, 5541-5544.

- [2]. Colorimetric Sensor and Inverse Fluorescent Behavior of Anions by Calix[4]arene Possessing Imidazo[4,5-f]-1,10-phenanthroline Groups and Its Ru(II) Complex  
Yu Liu,\* Zhe Li, Heng-Yi Zhang, **Hao Wang**, and Chun-Ju Li  
*Supramol. Chem.*, 2007, in press.
- [3]. Synthesis of Oligo(ethylenediamino)- $\beta$ -Cyclodextrins Modified Gold Nanoparticle as a DNA Concentrator  
**Hao Wang**, Yong Chen, Xiao-yun Li and Yu Liu\*  
*Molecular Pharmaceutics* **2007**, *4*, 189-198.
- [4]. 下缘含有杂原子杯芳烃的合成及其阳离子选择性的研究  
王浩, 李喆, 刘育\*  
中国科学(B 辑), **2007**, 接受发表 (Chinese version)  
Synthesis and Cationic Selectivity Studies of Novel Heteroatom Modified Calix[4]arenes at the Lower Rim.  
**Hao Wang**, Zhe Li, Yu Liu\*  
*Sci. China Ser. B-Chem.* **2007**, Accepted for publication. (English version)
- [5]. Diastereomeric Molecular Recognition and Binding Behavior of Bile Acids by L/D-Tryptophan-Modified  $\beta$ -Cyclodextrins  
**Hao Wang**, Rui Cao, Chen-Feng Ke, Yu Liu,\* Takehiko Wada, and Yoshihisa Inoue\*  
*J. Org. Chem.* **2005**, *70*(22), 8703-8711.
- [6]. Supramolecular Assembly of *p*-Sulfonatecalix[4]arene through Aquated Neodymium (III) Ions  
Bang-Tun Zhao, \* **Hao Wang**, Heng-Yi Zhang, and Yu Liu  
*J. Mol. Struct.* **2005**, *740*, 101-105.
- [7]. Crystal Structures of Two Calix[4]arene Isomers with Benzaldehyde Groups and Their Photophysical Properties with Terbium(III) Ions  
**Hao Wang**, Heng-Yi Zhang, and Yu Liu,\*  
*Chin. J. Chem.*, **2005**, *23*, 740-744.
- [8]. Supramolecular Aggregates Constructed From Gold Nanoparticles and L-Try-CD Polypseudorotaxenes as a Captor for Fullerenes  
Yu Liu,\* **Hao Wang**, Yong Chen, Chen-Feng Ke and Min Liu  
*J. Am. Chem. Soc.* **2005**, *127*, 657-666.
- [9]. Layered Assembly Formed by Benzyl Viologen and *p*-Sulfonatothiacalix[4]arene and Their Complexation Thermodynamics  
Yu Liu\*, **Hao Wang**, Heng-Yi Zhang, and Li-Hua, Wang  
*Cryst. Growth. & Des.* **2005**, *5*, 231-235.
- [10]. Water-Soluble Supramolecular Fullerene Assembly Mediated by Metallobridged  $\beta$ -Cyclodextrins

Yu Liu\*, **Hao Wang**, Peng Liang, and Heng-Yi Zhang  
*Angew Chem. Int. Ed.* **2004**, *43*, 2690-2694.

- [11]. A Metallo-Capped Polyrotaxane Containing Calix[4]arenes and Cyclodextrins and Its Highly Selective Binding for Ca<sup>2+</sup>  
Yu Liu\*, **Hao Wang**, Heng-Yi Zhang, and Peng Liang  
*Chem. Commun.* **2004**, 2266-2267.
- [12]. Bis(polypseudorotaxane)s Formed by Multiple Metallo-Bridged  $\beta$ -Cyclodextrins and the Thermodynamic Origin of Their Molecular Aggregation  
Yu Liu\*, Yun Song, **Hao Wang**, Heng-Yi Zhang, and Xue-Qing Li  
*Macromolecules* **2004**, *37*, 6370-6375.
- [13]. Complexation Thermodynamics of Water-Soluble Calix[4]arene Derivatives With Lanthanoid(III) Nitrates in Acidic Aqueous Solution  
Yu Liu\*, **Hao Wang**, Li-Hua Wang, and Heng-Yi Zhang  
*Thermochimica. Acta.* **2004**, *414*, 65-70.
- [14]. Synthesis of Novel *p*-(tert-Butyl)Calix[4]arene Derivatives and Their Cation Binding Ability: Chromogenic Effect upon Side Arms Binding  
Yu Liu\*, **Hao Wang**, Li-Hua Wang, Zhei Li, Heng-Yi Zhang, and Qiang Zhang  
*Tetrahedron*, **2003**, *59*(40), 7967-7972.
- [15]. Selective Binding of Steroids by Bridged Bis( $\beta$ -cyclodextrin)s with 2,2'-Biquinoline-4,4'-Dicarboxylate: Fluorescence Enhancement Induced by Chiral Guest Molecules  
Yu Liu\*, Yun Song, **Hao Wang**, Heng-Yi Zhang, Takehiko Wada, and Yoshihisa Inoue  
*J. Org. Chem.*, **2003**, *68*(9), 3687-3690.
- [16]. Nanowires Compactness Controlled by Molecular Selective Binding of Bridged Bis( $\beta$ -cyclodextrin)s  
Yu Liu\*, **Hao Wang**, Heng-Yi Zhang, Li-Hua Wang and Yun Song  
*Chem. Lett.*, **2003**, *32* (10), 884-885.
- [17]. Two Different Conformations of 25,27-Bis(3-pyridylcarboxylate)-26,28-Dihydroxy calix[4]arene in Solid State  
Heng-Yi Zhang, **Hao Wang**, Yu Liu\*  
*Arkivoc.*, **2003**, (II), 92-97.
- [18]. Inclusion Complexation Behavior of Dyestuff Guest Molecules by A Bridged Bis(cyclomaltoheptaose)[bis( $\beta$ -cyclodextrin)] with A Pyromellitic Acid Diamide Tether  
Yu Liu\*, Li Li, Heng-Yi Zhang, Peng Liang, and **Hao Wang**  
*Carbohydrate Res.*, **2003**, *338*(17), 1751-1757.
- [19]. Novel Linear Molecular Aggregation Tethered by Hydrogen-Bonded Interaction Within the Crystalline Calix[4]arene Derivatives

Yu Liu\*, **Hao Wang**, Heng-Yi Zhang, Bang-Tun Zhao and Li-Hua Wang  
*J. Supram. Chem.*, **2002**, 2(6), 515–519.

[20].Molecular Design of Calixarene 5. Synthesis and Cation Selectivities of Novel Schiff's Base *p*-tert-Butylcalix[4]arene

Yu Liu\*, Bang-Tun Zhao, **Hao Wang**, Qi-Fa Chen and Heng-Yi Zhang  
*Chin. J. Chem.* **2001**, 19, 291-295.

[21].An Common Calix[4]azacrown-4 Dimer Assembled by Hydrogen-Bonded Interaction

Yu Liu\*, Bang-Tun Zhao, Gang Huang, Heng-Yi Zhang and **Hao Wang**  
*J. Chem. Res.* **2001**, 468-469.

*Updated in Aug. 2007*