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人才队伍

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- > 青年创新促进会 (<http://www.nanoctr.cas.cn/rcdw2017/qch2017/>)

人才队伍

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简历:

王浩, 博士生导师。2005年在南开大学获得博士学位, 其后在德国维尔茨堡大学作为洪堡研究员进行研究, 从事染料分子的自组装及其光学行为的研究。2007-2011年在美国加州大学洛杉矶分校医学院 Crump 分子成像研究所 (Crump Institute for Molecular Imaging) 和加州纳米系统研究中心 (California NanoSystems Institute) 从事纳米技术在癌症诊断与治疗方面的研究。利用微流控生物芯片成功的实现了可编程的自组装制备超分子纳米粒子组合库, 用于癌症诊断和治疗。2011年加入国家纳米科学中心, 中国科学院纳米生物效应与安全性重点实验室。到目前为止, 发表文章30余篇, 参编专著2部, 授权专利2项。

王浩课题组中文网页: <http://www.nanoctr.cn/wanghao> (<http://www.nanoctr.cn/wanghao>)

王浩课题组英文网页: <http://www.nanoctr.cas.cn/wanghaoen/> (<http://www.nanoctr.cas.cn/wanghaoen/?>位置就加到中文网页链接的下面即可。)

研究领域:

纳米生物材料的设计与合成
微流芯片用于纳米材料的初筛和癌症的体外诊断
癌症的体外、体内早期诊断纳米技术

获奖及荣誉:

2007 天津市优秀博士论文
2005 德国洪堡奖学金
2004 “南开十杰”称号

代表论著:

[1]. Host-Guest Supramolecular Nanosystems for Cancer Diagnostics and Therapeutics

Lei Wang, Lili Li, Yuanshan Fan and **Hao Wang***

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[2]. A Non-Contact Strategy for Precisely Controlled Enrichment, Manipulation and Separation of Carbon Nanotubes by Surface Acoustic Waves

Qian Zeng, Lili Li, Horse L. Ma, Junhua Xu, Yunshan Fan and **Hao Wang***

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Jun-Hua Xu, Fu-Ping Gao, Xuefeng Liu, Qian Zeng, Shi-Shang Guo, Zhi-Yong Tang, Xing-Zhong Zhao* and **Hao Wang***

Chem. Commun. 2013, 49, 4462 - 4464. (back cover)

[4]. Enzyme-Coated Mesoporous Silica Nanoparticles as Efficient Anti-bacterial Agents *In Vivo*

Li Lili and **Hao Wang***

Adv. Healthcare Mater. 2013, in press.

[5]. Delivery of Intact Transcription Factor Using Self-Assembled Supramolecular Nanoparticles

Yang Liu, **Hao Wang***, Ken-ichiro Kamei, Ming Yan, Kuan-Ju Chen, Linqi Shi*, Yunfeng Lu*, and Hsian-Rong Tseng*

Angew Chem. Int. Ed. 2011, 50, 3058-3062.

Selected as "VIP" paper

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Press release: UCLA newsroom, UCLA weekly news, CNSI news.

Highlight: Lab on a Chip

[7]. A Small Library of DNA-Encapsulated Supramolecular Nanoparticles for Targeted Gene Delivery

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[8]. A Supramolecular Approach for Preparation of Size-Controllable Nanoparticles

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[10]. Supramolecular Construction of Fluorescence J-Aggregates Based on Hydrogen-Bonded Perylene Dyes

Theo. E. Kaiser, **Hao Wang***, Vladimir Stepanenko, Frank Würthner*

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[11]. 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.

[12]. Water-Soluble Supramolecular Fullerene Assembly Mediated by Metallobridged β -Cyclodextrins

Yu Liu*, **Hao Wang***, Peng Liang, and Heng-Yi Zhang

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[9]. Perylene Bisimide J-Aggregates with Absorption Maxima in the NIR

Hao Wang*, Theo E. Kaiser, Shinobu Uemura and Frank Würthner*

Chem. Commun. 2008, 1181-1183.

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