

姓 名: 钟海政
出生年月: 不详
学 位: 博士
职 称: 教授 博导
联系地址: 北京市海淀区中关村南大街5号北
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个人介绍

目前研究兴趣主要集中在无机纳米晶以及聚合物/无机纳米晶杂化材料在发光、显示以及太阳能转换器件中的应用。

正在主持自然科学基金委青年基金项目 1 项, 北京理工大学优秀青年教师资助计划, 参加 973 计划项目 1 项、总装基础研究项目 1 项。截止目前(2014 年 3 月), 已经在 JACS, PRL, ACS NANO, AFM, JPPC 国际期刊发表论文 46 篇, 所发表论文被引用 1200 余次, H-因子为 20, 申请中国专利 5 项(授权 2 项), 其中 2 项并提交国际专利申请, 并为 2 本英文专著撰写章节。已经在国内外学术会议上做学术报告 17 次, 其中邀请报告 5 次。

Dr. Haizheng Zhong is a Professor of Materials Chemistry in the School of Material Science & Engineering at the Beijing Institute of Technology since August 2010. He got his bachelor degree from Jilin University at 2003, then he undertook his PhD studies at the Institute of Chemistry, Chinese Academy of Sciences with Prof. Yongfang Li during 2003-2008. During his PhD period he spent time at University of California, Los Angeles as a visiting student with Prof. Qibing Pei, then pursued his postdoctoral work at the University of Toronto with Prof. Gregory Scholes from 2008-2010. Dr. Zhong's research interests are in the area of semiconductor nanocrystals and hybrid polymer and nanocrystals materials for light based technology. He has author and coauthored 40 papers in peer reviewed journals such as Journal of American Chemistry Society, Advanced Functional Materials, ACS Nano, Optics Express etc.

Research webpage: <http://www.researcherid.com/rid/B-2779-2011>

Google Scholar: http://scholar.google.com/citations?user=AD_HhKkAAAAJ&hl=en

招生要求: 积极进取、好学慎思者优先。

教育经历

1999.09-2003.07 吉林大学 化学系, 大学本科
2003.07-2008.07 中国科学院化学研究所, 硕博连读研究生
2007.04-2007.10 加州大学洛杉矶分校, 访问研究生

工作经历

2008.08-2010.08 多伦多大学 博士后
2010.08-今 北京理工大学 材料学院 教师
2011.02 日本国立材料研究所 访问学者
2013.07 晋升教授

研究领域

光电子材料与器件：从材料的物质结构控制、物理化学调控以及光电功能构造三个方面出发开展研究，目前主要研究包括：

一、基于半导体纳米晶的 LED 发光器件（应用基础研究方向）

半导体纳米晶，量子尺寸下又称量子点，是一类新型发光材料，具有溶液化学法制备、容易分散加工、发射光谱可调、发光效率高等特点，可以明显提升 LED 的显色性质和流明效率，有希望在液晶显示背光源、暖色室内照明灯具、白光标准光源、高性能平板显示等领域获得应用。国内外在此领域已经有很多进展，索尼、三星、飞利浦、QD Vison、TCL、京东方等公司都已经开始纳米晶 LED 商业化，相继推出展示产品。本实验室在此方面有多年的积累，目前主要关注以下方面研究：

- (1) 基于非稀土纳米晶荧光粉的高显色指数白光 LED 器件
- (2) 全溶液加工的量子点电致发光器件
- (3) 偏振发光纳米材料与器件
- (4) 液晶背光用量子点增强光转换膜

参考文献：

信息技术及标准化 2013, 10, 40-43; Chem. Mater. 2013, 25, 3260
Nanoscale 2013, 5, 3514; Opt. Express 2013, 21, 10105
Adv. Funct. Mater. 2012, 22, 2081; J. Phys. Chem. Lett. 2012, 3, 3167
RSC Adv. 2012, 2, 2675-2677; J. Phys. Chem. C 2011, 115, 12396

二、半导体纳米晶在三维显示技术中的应用（学科交叉基础研究，与本校光电学院合作）

与目前基于双目视差眼镜的 3 D 显示不同，全息术因可以记录和再现物体发出的光波，并能提供物体的全部深度信息是理想的 3 D 显示技术。本实验室主要针对三维显示器件的频响特性和视场角扩展的问题，研究纳米晶光折变材料和图像承接材料。

参考文献：

Advanced Optical Materials 2014, DOI: 10.1002/adom.201300517

三、新型光功能材料的探索（基础研究）

新材料是推进技术进步的主要动力之一，本实验室重点关注与光相关的功能材料，目前主要感兴趣的方面包括：

- (1) 宽吸收材料
- (2) 环境响应材料

Research Interests: Materials for Light based Technology. "Light-based technologies directly respond to the needs of humankind by providing access to information, promoting sustainable development, and increasing well-being and standard of living -- perfect examples include the inexpensive solar-powered

solid-state lighting and bioimaging techniques for disease detection." Adapted from SPIE

社会任职

Hindawi 出版社 *Advances in Chemistry* 期刊编委 <http://www.hindawi.com/24608917/>

《中国光学》第一届青年编委会委员 (2014-)

中国材料研究会 会员 (2010-)

学术期刊审稿: *Journal of American Chemical Society*, *Advanced Materials*, *Angew Chem. Int. Ed.*, *ACS Nano*, *Advanced Functional Materials*, *Small*, *Chemistry of Materials*, *Journal of Materials Chemistry*, *Journal of Physical Chemistry* 等期刊审稿人

Member of CMRS since 2010;

Reviewers of *Journal of American Chemical Society*, *Advanced Materials*, *Angew Chem. Int. Ed.*, *ACS Nano*, *Advanced Functional Materials*, *Small*, *Chemistry of Materials*, *Journal of Materials Chemistry*, *Journal of Physical Chemistry*

获奖情况

个人获奖(Award):

2014 年 入选北京市“科技新星”计划

2013 年 入选北京市“青年英才”计划

2013 年 第 6 届徐叙瑢发光学优秀青年学术论文二等奖

2012 年 入选北京理工大学优秀青年教师持续支持计划

2010 年 入选北京理工大学优秀青年教师择优支持计划

2007 年 中国科学院化学所所长奖学金

2007 年 化学所中科纳米奖学金

2007 年 中科院化学所青年报告优秀奖

2006 年 中科院化学所青年报告优秀奖

学生获奖(Award of Students):

2014 年 博士后陈冰昆入选 2014 年度“香江学者”计划 (全国共 57 名)

2014 年 本科生周青超入选第三届“青春北理”年度十大榜样人物

2014 年 本科生赵传真同学被 UCLA Summer School 录取

2013 年 博士生杨高岭获得 2013 年度徐特立奖学金 (一等)

2013 年 本科生周青超、肖静、李东海、李俊飞、郭旭祯、袁泉获得第十三届全国挑战杯科技发明类一等奖

2013 年 本科生周青超、郭旭祯、李俊飞、肖静、代华湘获得第七届首都挑战杯二等奖

2013 年 本科生周青超、郭旭祯、李俊飞、肖静、代华湘获得第十届世纪杯技术发明类特等奖

2012 年 博士生陈冰昆入选教育部学术新人奖和北京理工大学育苗基金重点资助项目

2012 年 博士生陈冰昆获得材料学院第九届研究生论坛“材料之星”与最佳 Poster 奖

2012 年 北京市大学生创新实验计划项目(柏泽龙、朱敏、邓银萍、陈思祺) 验收优秀

2012 年 本科生周青超、李俊飞获得第九届世纪杯技术发明类一等奖

科研项目

教学(Teaching)

- 北京理工大学学科通识选修课“太阳能应用导论” 主讲人
- 本科生材料化学专业“专业外语” 主讲人
- 研究生“固体光谱学” 主讲人

科研项目(Research Projects):

- 自然科学基金青年基金项目 “可用于荧光太阳能聚光器的聚合物/无机纳米晶杂化材料的制备及其应用研究” 主持 2011-2013
- 科技部重大研究计划 “量子点标记技术研究病毒侵染过程及宿主应答” 项目骨干 2011-2015
- 北京理工大学优秀青年教师择优资助计划“I-III-VI 族荧光纳米晶的合成、光学性质及其应用的研究”主持人 2011-2012
- 北京理工大学校内 111“微纳光电材料与器件创新引智计划” 2011-2013 国内学术骨干
- 北京理工大学“微纳光子学材料与技术”科技创新团队 学术骨干

论文专著

学术论文(Journal papers):

2014 年

- (52) Yuwei Niu, Feng Zhang, Zelong Bai, Yuping Dong, Jian Yang, Bingsuo Zou, Jingbo Li, Haizheng Zhong,* “The Aggregation-Induced Emission Features of Organometal Halide Perovskites and Their Fluorescence Probes Application” *Advanced Optical Materials* accepted
- (51) Lige Liu, Bin Zhou, Luogen Deng, Wenping Fu, Jiatao Zhang, Min Wu, Wenhua Zhang, Bingsuo Zou and Haizheng Zhong* “Thermal Annealing Effects of Plasmonic Cu_{1.8}S Nanocrystal Films and Their Photovoltaic Applications” *Journal of Physical Chemistry C* 2014, 118 (46), 26964–26972
- (50) Min Zhu, Xiaoqing Peng, Ziwei Wang, Zelong Bai, Bingkun Chen, Yongtian Wang, Hongying Hao, Ziqiang Shao,* and Haizheng Zhong,* “Highly-Transparent and Colour-Tunable Composite Films with Increased Quantum Dots Loading” *Journal of Materials Chemistry C* 2014, 2, 10031-10036.
- (49) Gaoling Yang, Haizheng Zhong*, Zelong Bai, Ruibin Liu and Bingsuo Zou* “Ultralong Homogeneously Alloyed Cd_{1-x}Se_x Nanowires with Highly-Polarized and Color-Tunable Emission” *Advanced Optical Materials* 2014, 2, 885-891.
- (48) Min Zhu, Haizheng Zhong*, Jia Jia, Wenping Fu, Juan Liu, Bingsuo Zou and Yongtian Wang* “Luminescent Quantum Dots in PVA Hydrogel: A Potential Scalable and Repairable Display Medium for Holographic 3D Display” *Advanced Optical Materials* 2014, 2, 338-342.
- (47) Shuai Li, Xiaodi Zhong, Yujun Song, Jiaguang Sun, Xiaomiao Shen, Yuanjun Song, Rongming Wang, Min Zhu, Haizheng Zhong and Aiguo Zheng Controlled Hybridization of Sn-SnO₂ Nanoparticles via Simple-Programmed Microfluidic Processes for Tunable Ultraviolet and Blue Emissions *J. Mater. Chem. C* 2014, 2, 7687-7694.
- (46) Menglong Zhu, Yulan Dong, Haizheng Zhong, Jun He “Exciton spin relaxation dynamics in CdTe quantum dots at room temperature” *Acta Phys. Sin.* 2014, 63, 127202.
- (45) Rui Zhang, Dongxu Zhao, Hui-Guo Ding, Yan-Xiang Huang, Hai-Zheng Zhong, Hai-Yan Xie* “Sensitive single-color fluorescence “off-on” switch system for dsDNA detection based on quantum dots-ruthenium assembling dyads” *Biosensors and Bioelectronics* 2014, 56, 51-57.
- (44) Jing Li, Xiaoxu Wang, Ruibin Liu*, Lijie Shi, Muhammad Arshad Kamran, Haizheng Zhong, Bingsuo

Zou*, "The Length Controllable Synthesis and Near-infrared Photoluminescence of One Dimensional Ternary Cu₄Bi₄S₉ Semiconductor Nanobelts" *Materials Research Bulletin*, 2014, 49, 180-186.

2013 年

(43) Lige Liu, Haizheng Zhong*, Zelong Bai, Teng Zhang, Wenping Fu, Haiyan Xie,* Lijie Shi, Luogen Deng,* and Bingsuo Zou Controllable Transformation from Rhombohedral Cu_{1.8}S Nanocrystals to Hexagonal CuS Clusters: Phase- and Composition- Dependent Plasmonic Properties *Chemistry of Materials* 2013,25,4828-4834.

(42) 钟海政、柏泽龙 “纳米晶白光 LED 技术研究现状及应用前景” *信息技术及标准化* 2013, 10, 40-43. 邀请稿

(41) Gaoling Yang, Guangyuan Xu, Bingkun Chen, Shuangyang Zou, Ruibin Liu, Haizheng Zhong,* Bingsuo Zou* General Synthesis and White Light Emission of Diluted Magnetic Semiconductor Nanowires Using Single-Source Precursors *Chemistry of Materials* 2013, 25, 3260-3266.

(40) Bingkun Chen,† Qingchao Zhou,† Junfei Li, Feng Zhang, Ruibin Liu, Haizheng Zhong* and Bingsuo Zou "Red Emissive CuInS₂-based Nanocrystals: A Potential Phosphor for Warm White Light-Emitting Diodes" *Optics Express* 2013, 21, 10105-10110

北美 *Advances in Engineering* 网站报道

<https://advanceseng.com/nanotechnology-engineering/red-emissive-cuins2-based-nanocrystals-potential-phosphor-warm-white-light-emitting-diodes/>

(39) Bingkun Chen, Haizheng Zhong,* Meixu Wang, Ruibin Liu, Bingsuo Zou "High Efficiency and High Color Rendering White Light-Emitting Diodes with Tunable Color Temperature using CuInS₂ Based Nanocrystals" *Nanoscale*, 2013, 5, 3514-3519.

(38) Gaoling Yang, Haizheng Zhong,* Ruibin Liu, Yongfang Li, Bingsuo Zou, "In-situ Aggregation of ZnSe Nanoparticles into Supraparticles: Shape Control and Doping Effects" *Langmuir* 2013, 29, 1970-1976.

(37) Haozhi Zhao, Juan Liu,* Ru Xiao, Xin Li, Rui Shi, Peng Liu, Haizheng Zhong, Bingsuo Zou, and Yongtian Wang "Modulation of Optical Intensity on Curved Surfaces and Its Application to Fabricate DOEs with Arbitrary Profile by Interference" *Optics Express* 2013, 2, 5140-5150.

(36) Na Zhao, Shengyi Yang, Li Zhang, Haizheng Zhong, Ruibin Liu, Bingsuo Zou "Enhanced Photocurrent from Organic Polymers-Based Photodiodes by Blending PbS Colloidal Quantum Dots" *Journal of Nanoscience and Nanotechnology* 2013, 13, 1163-1167.

2012 年

(35) Haizheng Zhong,* Zelong Bai, Bingsuo Zou "Tuning the Luminescence Properties of Colloidal I-III-VI Semiconductor Nanocrystals for Optoelectronics and Biotechnology Applications" *J. Phys. Chem. Lett.* 2012, 3, 3167-3175 (Perspective)

(34) Bingkun Chen, Haizheng Zhong,* Wenqing Zhang, Zhan'ao Tan,* Yongfang Li, Cairan Yu, Tianyou Zhai, Yoshio Bando, Shengyi Yang and Bingsuo Zou "Highly Emissive and Color-Tunable CuInS₂ based Colloidal Semiconductor Nanocrystals: Off-Stoichiometry Effects and Improved Electroluminescence Performance" *Adv. Funct. Mater.* 2012, 22, 2081-2088 ESI 高引论文

(33) Yang Yang, Haizheng Zhong,* Zelong Bai, Bingsuo Zou, Yongfang Li,* Gregory D. Scholes*, Transition from Photoconductivity to Photovoltaic Effect in P3HT/CuInSe₂ Composites *J. Phys. Chem. C* 2012, 116, 7280-7286

(32) Huiqing Wang, Ziqiang Shao*, Bingkun Chen, Teng Zhang, Feijun Wang, Haizheng Zhong*, "Transparent, Flexible and Color-tunable Luminescent Composite Films by Incorporating CuInS₂ based

- Quantum Dots into Cyanoethyl Cellulose Matrix" RSC Advances 2012, 2, 2675-2677
- (31) Bingkun Chen, Haizheng Zhong*, Rui Li, Yi Zhou, Yuqin Ding, Yongfang Li, Bingsuo Zou, "Conjugated Polymer-Assisted Preparation of CdSe Nanospheres and Their Photovoltaic Properties" Science of Advanced Materials 2012, 4, 342-345
- (30) Yun Lei, Haiyan Tang, Haizheng Zhong, Haiyan Xie, Ruibing Liu, Mingfu Feng,* Bingsuo Zou,* Labeling of Hematopoietic Stem Cells by Tat Peptide Conjugated Quantum Dots for Cell Tracking in Mouse Body Journal of Nanoscience and Nanotechnology 2012, 12, 6880
- (29) Jing Li, Haizheng Zhong, Huijuan Liu, Tianyou Zhai,* Xi Wang, Meiyong Liao, Yoshio Bando, and Bingsuo Zou* "One Dimensional Ternary Cu-Bi-S based Semiconductor Nanowires: Synthesis, Optical and Electrical Properties" Journal of Materials Chemistry 2012, 22, 17813-17819
- (28) Shengyi Yang,* Na Zhao, Li, Zhang, Haizheng Zhong, Ruibin Liu, Bingsuo Zou "Field-effect transistor-based solution-processed colloidal quantum dot photodetector with broad bandwidth into near-infrared region" Nanotechnology, 2012, 23, 255203

2011 年

- (27) 陈冰昆, 钟海政*, 邹炳锁 "I-III-VI 族纳米晶的研究进展"化学进展 2011 23(11) 2776-2786.
- (26) Haizheng Zhong*, Zhibin Wang, Zhenghong Lu, Enrico Bovero, Frank C. J. M. vanVeggel, Gregory D. Scholes* "Colloidal CuInSe₂ Nanocrystals in Quantum Confinement Regime: Synthesis, Optical Properties and Electroluminescence" J. Phys. Chem. C 2011, 115, 12396-12402.

2005 年-2010 年

- (25) Haizheng Zhong, Shun S. Lo, Tihana Mirkovic, Yunchao Li, Yuqin Ding, Yongfang Li, Gregory D. Scholes "Non-injection Gram-scale Synthesis of Monodisperse Pyramidal CuInS₂ Nanocrystals and Their Size-Dependent Properties" ACS Nano 2010, 4 5253-5262 ESI 高引论文
- (24) Jun He, Haizheng Zhong, Gregory D. Scholes, "Electron-hole overlap dictates the hole spin relaxation rate in nanocrystal heterostructures" Phys. Rev. Lett. 2010, 105, 046601.
- (23) Minfu Ye, Yunchao Li*, Haizheng Zhong, Yi Zhou, Yi Yang, Yuqin Ding, Yongfang Li*, "Synthesis of Sb₂E₃ (E = S, Se) Nanorods with a Flat Cross Section by a Rapid Hot Injection Method" J. Nanosci. Nanot. 2010, 10, 7778-7782.
- (22) Yang, Zhang, Wei Liu, Lang Jiang, Louzhen Fan*, Chunlu Wang, Wenping Hu, Haizheng Zhong, Yongfang Li, Shihe Yang, J. Mater. Chem. 2010, 20, 953-956.
- (21) Haizheng Zhong, Gregory D. Scholes* "Shape Tuning of Type II CdTe-CdSe Nanocrystal Heterostructures through Seeded Growth" J. Am. Chem. Soc. 2009, 131, 9170-9171.
- (20) Haizheng Zhong, Michelle Nagy, Jones Marcus, Gregory D. Scholes* "Electronic states and exciton fine structures in colloidal CdTe nanocrystals" J. Phys. Chem. C 2009 113, 10465-10470.
- (19) Haizheng Zhong, Yi Zhou, Mingfu Ye, Youjun He, Jianping Ye, Chang He, Chunhe Yang, Yongfang Li* "Controlled Synthesis and Optical Properties of Colloidal Ternary Chalcogenide CuInS₂ Nanocrystals" Chem. Mater. 2008, 20, 6434-6443. ESI 高引论文
- (18) Yongsheng Zhao, Haizheng Zhong, Qibing Pei* "Fluorescence resonance energy transfer in conjugated polymer composites for radiation detection" Phys. Chem. Chem. Phys. 2008, 10, 1848.
- (17) Yi Zhou, Qingguo He*, Yi Yang, Haizheng Zhong, Chang He, Guangyi Sang, Wei Liu, Chunhe Yang, Fenglian Bai, Yongfang Li* "Binaphthyl-Containing Green- and Red-Emitting Molecules for Solution-Processable Organic Light-Emitting Diodes" Adv. Funct. Mater. 2008, 18, 3299-3306.
- (16) Haizheng Zhong, Yongsheng Zhao, Yongfang Li, Qibing Pei* "Photoluminescence quenching of

- conjugated polymer nanocomposites for gamma ray detection" *Nanotechnology* 2008, 19, 505503.
- (15) Haizheng Zhong, Yi Zhou, Yi Yang, Chunhe Yang, Yongfang Li*, "Synthesis of Type II CdTe-CdSe nanocrystal heterostructures with multiple-branched rods morphology and their photovoltaic applications", *J. Phys. Chem. C* 2007, 111, 6538-6543.
- (14) Haizheng Zhong, Zhixiang Wei, Minfu Ye, Yong Yan, Yi Zhou, Yuqin Ding, Chunhe Yang, Yongfang Li*, "Preparation of Monodispersed ZnSe Microspheres and Their 2D Arrays", *Langmuir* 2007, 23, 9008-9013. (ACS 网站该杂志 2007 年 6 月-9 月 20 篇热门文章之一)
- (13) Haizheng Zhong, Yunchao Li, Minfu Ye, Zhongzheng Zhu, Chunhe Yang, Yongfang Li*, "A facile route to synthesize chalcopyrite CuInSe_2 nanocrystals in non-coordinating solvent", *Nanotechnology* 2007, 18, 025602.
- (12) Haizheng Zhong, Minfu Ye, Yi Zhou, Chunhe Yang, Yongfang Li*, "Synthesis of In_2S_3 Nanoplates and Their Self-assembly into Superlattices", *J. Nanosci and Nanotel.* 2007, 7, 4346-4352.
- (11) Mingfu Ye, Haizheng Zhong, Wenjun Zheng, Rui Li, Yongfang Li*, "Ultralong cadmium hydroxide nanowires: synthesis, characterization and transformation into CdO nanostrands", *Langmuir* 2007, 23, 9064-9068.
- (10) Tianyou Zhai, Haizheng Zhong, Zhanjun Gu, Aidong, Peng, Hongbing Fu, Ying Ma*, Yongfang Li, Jiannian Yao*, "Manipulation of the Morphology of ZnSe Sub-Micron Structures Using CdSe Nanocrystals as the Seeds" *J. Phys. Chem. C* 2007, 111, 2980-2986.
- (9) 李瑞, 钟海政, 杨春和, 李永航 "胶体法制备 Mn^{2+} 掺杂 II-VI 族稀磁性半导体纳米晶体材料的研究进展" *化学通报* 2007,
- (8) Tianyou Zhai, Zhanjun Gu, Haizheng Zhong, Yang Dong, Hongbing Fu, Ying Ma*, Yongfang Li, Jiannian Yao* "Design and Fabrication of Rocketlike Tetrapodal CdS Nanorods by Seed-Epitaxial Metal-Organic Chemical Vapor Deposition" *Crystal Growth & Design* 2007, 7, 488-491.
- (7) Yue Zhao, Louzhen Fan*, Haizheng Zhong, Yongfang Li, "Platinum Nanoparticle Clusters Immobilized on Multi-Walled Carbon Nanotubes: Electrodeposition and Enhanced Electrocatalytic Activity for Methanol Oxidation", *Adv. Funct. Mater.* 2007, 17, 1537-1541
- (6) Yue Zhao, Louzhen Fan*, Haizheng Zhong, Yongfang Li, "Electrodeposition and electrocatalytic properties of platinum nanoparticles on multi-walled carbon nanotubes: effect of the deposition conditions" *Microchimica Acta* 2007, 158 (3-4), 327-334.
- (5) Tianyou Zhai, Zhanjun Gu, Yang Dong, Haizheng Zhong, Hongbing Fu, Ying Ma*, Yongfang Li, Jiannian Yao* "Synthesis and Cathodoluminescence of Morphology-Tunable SiO_2 Nanotubes and ZnS/ SiO_2 Core-Shell Structures Using CdSe Nanocrystals as the Seeds" *J. Phys. Chem. C* 2007, 111, 11604-11611.
- (4) Yi Zhou, Qingjiang Sun, Zhanao Tan, Haizheng Zhong, Chunhe Yang, Yongfang Li*, "Double-Layer Structured WPLEDs Based on Three Primary RGB Luminescent Polymers: Toward High Luminous Efficiency, Color Purity, and Stability." *J. Phys. Chem. C* 2007, 111, 6862-6867.
- (3) Yi Zhou, Yunchao Li, Haizheng Zhong, Jianhui Hou, Yuqin, Ding, Chunhe Yang, Yongfang Li*, "Hybrid nanocrystal/polymer solar cells based on tetrapod-branched CdTe, $\text{Cd}_{\text{Sex}}\text{Te}_{1-x}$ and CdSe nanorods", *Nanotechnology*, 2006, 17, 4041
- (2) Haizheng Zhong, Yunchao Li, Yi Zhou, Chunhe Yang, Yongfang Li*, "Controlled synthesis of 3D nanostructured $\text{Cd}_4\text{Cl}_3(\text{OH})_5$ templates and their transformation into $\text{Cd}(\text{OH})_2$ and CdS nanomaterials", *Nanotechnology* 2006, 17, 772 (IF: 3.446) (封面文章, 并且被英国皇家物理学会选做当年圣诞贺卡封面)
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