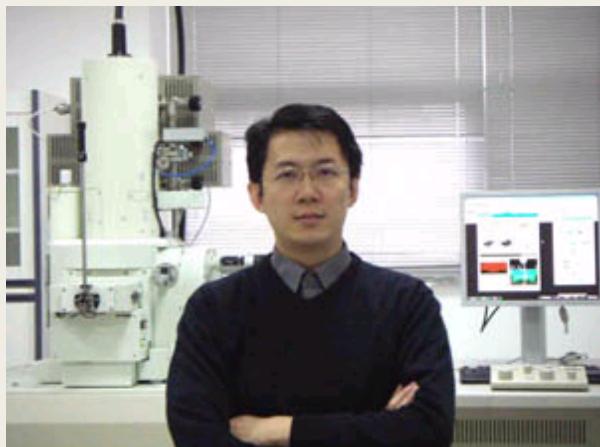


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研究方向：

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承担项目

1. 国家重点基础研究发展计划（973）项目：“有机/高分子发光材料重大基础问题研究”子课题：“有机分子电致发光材料、载流子流入传输材料等的设计与合成”（子课题负责人：王悦）部分研究任务，批准号：2002CB613401（2002-2007），经费：36万元。
2. 国家自然科学基金面上项目：“稀土配合物发光纳米结构在聚合物体系中的复合与组装”。批准号：20504011（2006-2008），经费：26万元。
3. 国家重点基础研究发展计划（973）项目：“仿生智能纳米复合材料”子课题：“仿生多重有序微结构的组装及制备”（子课题负责人：杨柏）部分研究任务，批准号：2007CB936402（2007-2011），经费：40万元。
4. 超分子结构与材料国家重点实验室青年骨干研究课题：“超分子作用调控的聚合物仿生智能微结构”（2007-2008），经费：15万元。
5. 国家自然科学基金面上项目：“聚合物仿生粘附功能微结构制备新方法”。批准号：20874039（2009-2011），经费：35万元。

代表文章：

1. Self-assembly of photonic crystals from polymer colloids
Junhu Zhang, Bai Yang*
Curr. Opin. Colloid Interface Sci., 2008, DOI: 10.1016j.cocis.2008.09.001.
2. A Versatile Approach to Fabricating Various Nanoring Arrays Based on Colloidal-Crystal-Assisted-Lithography Strategy
 Zhiqiang Sun, Yang Li, Junhu Zhang, Yunfeng Li, Zhihui Zhao, Kai Zhang, Gang Zhang, Jinrui Guo, Bai Yang*
Adv. Funct. Mater., 2008, DOI: 10.1002/adfm.200801103
3. Building Cavities in Micro- and Nano-Spheres
 Zhiyu Ren, Xuemin Zhang, Junhu Zhang, Xiao Li, and Bai Yang*
Nanotechnology 2008, In Press
4. From Two-Dimensional Metal Organic Coordination Networks to Near-Infrared Luminescent PbS Nanoparticle/Layered Polymer Composite Materials
 Fang Cui, Junhu Zhang, Tieyu Cui, Sen Liang, Bao Li, Quan Lin, and Bai Yang*
Nano Res., 2008, 1, 195-202.
5. Assembly of Non-Close-Packed 3D Colloidal Crystals from 2D Ones in a Polymer Matrix via in situ Layer-by-Layer Photopolymerization
 Zhiyu Ren, Xuemin Zhang, Junhu Zhang, Xiao Li, Xiaqian Pan, Xu Fei, Zhanchen Cui and Bai Yang*
J. Mater. Chem., 2008, 18, 3536-3538.
6. A Facile Solution-Phase Approach to the Synthesis of Luminescent Europium Methacrylate Nanowires and Their Thermal Conversion into Europium Oxide Nanotubes
 Fang Cui, Junhu Zhang, Tieyu Cui, Sen Liang, Luo Ming, Zhongmin Gao and Bai Yang*
Nanotechnology, 2008, 19, 065607 (1-6).
7. Electrospinning: A Facile Method to Disperse Fluorescent Quantum Dots in Nanofibers without Förster Resonance Energy Transfer
 Minjie Li, Junhu Zhang, Hao Zhang, Yifei Liu, Chunlei Wang, Xiang Xu, Yue Tang, and Bai Yang*
Adv. Funct. Mater., 2007, 17, 3650-3656.
8. Tunable Two-Dimensional Non-Close-Packed Microwell Arrays Using Colloidal Crystals as Templates
 Zhiyu Ren, Xiao Li, Junhu Zhang, Wei Li, Xuemin Zhang, and Bai Yang*
Langmuir, 2007, 23, 8272-8276.
9. Enhanced Light Extraction from Organic Light-Emitting Devices by Using Microcontact Printed Silica Colloidal Crystals
 Feng Li*, Xiao Li, Junhu Zhang, and Bai Yang*
Org. Electron., 2007, 8, 635-639.
10. From Monomeric Nanofibers to PbS Nanoparticles/Polymer Composite Nanofibers through the Combined Use of g-Irradiation and Gas/Solid Reaction
 Tieyu Cui, Fang Cui, Junhu Zhang, Jiayu Wang, Jing Huang, Changli Lu, Zhimin Chen, and Bai Yang*
J. Am. Chem. Soc., 2006, 128, 6298-6299.
11. Fabricating a Binary Pattern of Ordered Two-Dimensional Luminescent (mdppy)BF Arrays by Dewetting
 Wei Li, Yaru Nie, Junhu Zhang, Zheng Wang, Difu Zhu, Quan Lin, Bai Yang* and Yue Wang*
J. Mater. Chem., 2006, 16, 2135-2141.
12. CdS Nanoparticles/Polymer Composite Shells on Silica Nanospheres Grown by Atom Transfer Radical Polymerization
 Tieyu Cui, Junhu Zhang, Jiayu Wang, Fang Cui, Wei Chen, Zheng Wang, Kai Zhang, Bai Yang?*
Adv. Funct. Mater., 2005, 15, 481-486.
13. Nonspherical Colloidal Crystals Fabricated by the Thermal Pressing of Colloidal Crystal Chips
 Zhiqiang Sun, Xin Chen, Junhu Zhang, Zhimin Chen, Kai Zhang, Xin Yan, Yanfang Wang, Wenzhi Yu, and Bai Yang*
Langmuir, 2005, 21, 8987-8991.
14. The Mercaptoacetic Acid-Capped Silver Nanoparticles Colloid --- Formation, Morphology and SERS Activity
 Xiaoling Li, Junhu Zhang, Weiqing Xu, Huiying Jia, Xu Wang, Bai Yang, Bing Zhao, Bofu Li, Yukihiro Ozaki
Langmuir, 2003, 19 (10), 4285-4290.
15. A Novel Method for the Layer-by-Layer Assembly of Metal Nanoparticles Transported by Polymer Microspheres
Junhu Zhang, Litao Bai, Kai Zhang, Zhanchen Cui, Gang Zhang and Bai Yang
J. Mater. Chem., 2003, 13, 514-517.
16. Thin Films of Ag Nanoparticles Prepared from the Reduction of AgI Nanoparticles in Self-Assembled Films
Junhu Zhang, Xiaoling Li, Kun Liu, Zhanchen Cui, Gang Zhang, Bing Zhao, and Bai Yang
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