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简历：

丁宝全，2000年毕业于吉林大学化学系获学士学位。2006年9月在美国纽约大学化学系获博士学位，导师Nadrian C. Seeman 教授。其后在美国劳伦斯伯克利国家实验室进行博士后研究，合作者为 Jeffrey Bokor 教授。2009年10月到2010年10月在亚利桑那州立大学作研究助理教授，合作者Hao Yan教授。2010年11月进入国家纳米科学中心，被评为博士生导师。

研究工作包括：1) 生物纳米材料 主要是核酸纳米结构，DNA折纸术的合理设计与制备，及其与多种其他纳米材料的复合结构的性能研究。2) 自组装的生物纳米材料与电子束光刻等方法向结合制备的纳米器件的研究及其在纳米光子学，等离子体光子学，分子电子学方面的可能应用。

课题组主页：www.bdinglab.com (<http://www.bdinglab.com>)

研究领域：

生物纳米材料与器件

代表论著：

25. N. Li, A. Tittl, S. Yue, H. Giessen, C. Song, B. Ding* and N. Liu*
DNA-Assembled Bimetallic Plasmonic Nanosensors
Light: Science & Applications, 2014, 3, e226; doi:10.1038/lsa.2014.107.
24. Pengfei Zhan, Qiao Jiang, Zhen-gang Wang, Na Li, Haiyin Yu,* and Baoquan Ding*
DNA Nanostructure-Based Imaging Probes and Drug Carriers
ChemMedChem, 2014, 9, 2013-2020
23. Q. Zhang, Q. Jiang, N. Li, L. Dai, Q.Liu, L. Song, J. Wang, Y. Li, J. Tian, B. Ding*, and Y. Du*
DNA Origami as an In Vivo Drug Delivery Vehicle for Cancer Therapy
ACS Nano, 2014, 2014, 8, 6633-6643
22. Z.-G. Wang*, Q. Liu and B. Ding*
Shape-Controlled Nanofabrication of Conducting Polymer on Planar DNA Templates
Chem. Mater., 2014, 26, 3364-3367
21. Z.-G. Wang and B. Ding*
Engineering DNA Self-Assemblies as Templates for Functional Nanostructures
Acc. Chem. Res., 2014, 47, 1654-1662
20. H. Liu, X. Shen, Z. -G. Wang, A. Kuzyk, B. Ding* ,
Helical nanostructures based on DNA self-assembly
Nanoscale, 2014, 16, 9331-9338
19. Q. Liu, C. Song, Z.-G. Wang, N. Li, B. Ding*

- Precise organization of metal nanoparticles on DNA origami template
Methods, 2014, 67, 205-214
18. X. Shen, P. Zhan, A. Kuzyk, Q. Liu, A. Asenjo-Garcia, H. Zhang, F. J. Garcia de Abajo, A. Govorov, B. Ding*, and N. Liu*
 3D plasmonic chiral colloids
Nanoscale, 2014, 6, 2077-2081
17. P. Zhan, J. Wang, Z.-G. Wang*, B. Ding*
 Engineering the pH-Responsive Catalytic Behavior of AuNPs by DNA
Small, 2014, 10, 399-406
16. Z.-G. Wang, and B. Ding*
 DNA-Based Self-Assembly for Functional Nanomaterials
Adv. Mater. **2013**, 25, 3905-3914
15. C. Song, Z.-G. Wang*, and B. Ding*
 Smart Nanomachines Based on DNA Self-Assembly
Small, 2013, 9, 2382-2392
14. Zhen-Gang Wang, Chen Song and Baoquan Ding*
 Functional DNA Nanostructures for Photonic and Biomedical Applications
Small, 2013, 9, 2210-2222
13. Xibo Shen, Ana Asenjo-Garcia, Qing Liu, Qiao Jiang, Javier Garcia de Abajo, Na Liu*, Baoquan Ding*,
 3D Plasmonic Chiral Tetramers Assembled by DNA Origami
Nano Letters, 2013, 13, 2128-2133
12. Dangwei Shi, Chen Song, Qiao Jiang, Zhen-Gang Wang and Baoquan Ding*
 A Facile and Efficient Method to Modify Gold Nanorods with Thiolated DNA at Low pH Value
Chemical Communications, 2013, 49, 2533-2535
11. Zhen-Gang Wang*, Pengfei Zhan and Baoquan Ding*
 Self-Assembled Catalytic DNA Nanostructures for Synthesis of Para-directed Polyaniline
ACS Nano, 2013, 7(2), 1591-1598
10. Qiao Jiang, Zhen-Gang Wang*, Baoquan Ding*
 Programmed Colorimetric Logic Devices Based on DNA-Gold Nanoparticle Interactions
Small, 2013, 9, 1016-1020.
9. Xibo Shen, Qiao Jiang, Jinye Wang, Luru Dai, Guozhang Zou, Zhen-Gang Wang, Wei-Qiang Chen, Wei Jiang* and Baoquan Ding*
 Visualization of the intracellular location and stability of DNA origami with a label-free fluorescent probe
Chemical Communications, 2012, 48, 11301-11303
8. Qiao Jiang, Chen Song, Jeanette Nangreave, Xiaowei Liu, Lin Lin, Dengli Qiu, Zhen-Gang Wang, Guozhang Zou, Xingjie Liang, Hao Yan*, Baoquan Ding*
 DNA Origami as a Carrier for Circumvention of Drug Resistance
Journal of the American Chemical Society, 2012, 134(32), 13396-13403
7. Xibo Shen, Chen Song, Jinye Wang, Dangwei Shi, Zhengang Wang, Na Liu*, and Baoquan Ding*
 Rolling Up Gold Nanoparticle-Dressed DNA Origami into Three-Dimensional Plasmonic Chiral Nanostructures
Journal of the American Chemical Society, 2012, 134 (1), 146-149
6. Baoquan Ding, Hao Wu, Wei Xu, Zhao Zhao, Yan Liu, Hongbin Yu*, Hao Yan *
 Interconnecting Gold Islands with DNA Origami Nanotubes.
Nano Letters, 2010, 10 (12), 5065-5069.
5. Suchetan Pal, Zhengtao Deng, Baoquan Ding, Hao Yan* and Yan Liu*
 DNA Origami Directed Self-assembly of Discrete Silver Nanoparticle Architectures.
Angewandte Chemie International Edition, 2010, 49, 2700-2704
4. Baoquan Ding*, Zhengtao Deng, Han Yan, Stefano Cabrini, Ronald Zuckermann and Jeffrey Bokor*
 Gold Nanoparticles Self-similar Chain Structure Organized by DNA Origami
Journal of the American Chemical Society, 2010, 132 (10), 3248-3249
3. Baoquan Ding*, Stefano Cabrini*, Ronald Zuckermann and Jeff Bokor
 DNA Directed Assembly of Nanoparticles Linear Structure for Nanophotonics.
Journal of Vacuum Science and Technology B, 2009, 27(1), 184-187
2. Baoquan Ding, Nadrian C. Seeman*
 Operation of a DNA Robot Arm Inserted into a 2D DNA Crystalline Substrate.
Science, 2006, 314, 1583-1585
1. Baoquan Ding, Ruojie Sha, Nadrian C. Seeman*
 Pseudo-hexagonal 2D DNA crystals from double crossover cohesion.
Journal of the American Chemical Society, 2004, 126(33), 10230-10231.

承担科研项目情况：

科技部973子课题