

李金华个人简介



李金华，男，湖北蕲春人，哲学博士。入选 2016 年湖北省“百人计划”。近年来主要从事有机薄膜晶体管及其功能器件、有机太阳能电池及二维材料在柔性功能器件中的应用方面研究。在 SCI 收录的杂志上发表论文 45 篇，其中在材料学国际顶级刊物 *Advanced Materials*(影响因子 18.96) 发表论文 6 篇，*Advanced Functional Materials* 发表论文 2 篇，*Materials Energy & Environmental Science* (影响因子 25.4) 1 篇，*ACS Nano* (影响因子 13.2) 2 篇，总引用 1500 次，h 因子 21，现为 *Adv. mater.*、*Adv. Funct. Mater.*、*Adv. Opt. Mater.*、*Adv. Electron. Mater.*、*Adv. Healthcare. Mater.*、*Small*、*Scientific Reports*、*Textile Research Journal* 等杂志审稿人。2006 获得湖北省自然科学二等奖一项。目前主持 2 项国家自然科学基金，1 项湖北省杰出青年基金及其他省级项目。

目前主要的研究方向：

1. 高性能有机场效应管及器件物理研究。
2. 基于有机场效应管、石墨烯场效应管的传感器应用研究（光、生物、化学传感器）
3. 有机太阳能电池的研究。
4. 石墨烯导电电极的应用研究。

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教育经历:

- ◆ 2009.1-2012.7 香港理工大学应用物理系应用物理专业，博士研究生，导师严锋教授和陈王丽华教授；
- ◆ 2005.9-2008.6 湖北大学材料科学与工程学院 材料学专业，硕士研究生，导师卢朝靖教授；
- ◆ 1998.9-2002.7 湖北大学物理学与电子技术学院电子科学与技术专业，本科。

工作经历

- ◆ 2015 年 12 月至今湖北大学材料科学与工程系；
- ◆ 2012.8-2015.11 香港理工大学应用物理系，博士后研究员；
- ◆ 2008.10-2009.1 香港理工大学应用物理系，助理研究员；
- ◆ 2002.7-2008.9 湖北大学，助教。

获奖

- ◆ 卢朝靖、**李金华**、王世敏、邝安祥，无机功能薄膜的制备、显微结构与生长机制研究，**湖北省自然科学奖二等奖**，证书编号：2006Z-033-2-013-004-R02(2006)。

主持参与的部分项目

- 高介电栅极有机薄膜晶体管的湿法制备及界面物理研究，**国家自然科学基金面上项目**(11574075)，86.8 万，2016.1-2019.12，主持人。
- 柔性低压高性能晶体管的湿法制备及应用研究，**湖北省自然科学杰出青年基金**(2016CFA036)，20 万，2017.1-2019.12，主持人。
- 柔性低压有机薄膜场效应管的制备、界面修饰及电荷传输机制研究，**国家自然科学基金青年项目**(51203045)，25 万，2013.1-2015.12，主持人。
- 柔性低压有机薄膜晶体管的应用，**湖北省人力资源和社会保障厅回国留学人员科技活动项目**，2 万，2017.01-2018.12，主持人。
- 高介电栅极柔性有机薄膜晶体管的制备及性能研究，**湖北省教育厅科学技术研究计划重点项目**(D201602)，4 万，2016.06-2018.12，主持人。
- 具有太阳能光热转换性能的碳基纳米复合材料的制备及应用研究，**湖北省自然科学基金一般重点**，2014CFA096，20 万(包括学校配套 10 万)，2014.1-2016.12，省科技厅，参与。
- 面向骨及关节修复与替代的纳米功能材料的基础研究，**973 前期研究专项**，(2014CB660809)，78 万，2014.10-2016.8，科技部，参与。
- TiO₂/P3HT 杂化太阳能电池的 CVD 法原位制备及激子分离动力学研究，**国家自然科学基金青年项目**(11304088)，30 万，2014.1-2016.12，参与。
- 医用钛合金骨植入体表面激光合金化 Ag-HA 复合纳米涂层的抗菌及生物相容性研究，**国家自然科学基金面上项目**(81271715)，65 万，2013.1-2016.12，参与。

发表论文

已在 SCI 国际期刊上发表论文 45 篇，总引用超过 1500 次，h 因子为 21。相关论文发表情况如下：

1. Guangchao Dai, Jianying Wang*, Yangying Zhao, Yuhua Zhu, Xiaofei Ma, Tao Mei, **Jinhua Li***, Pengchang Ma, and Xianbao Wang*, Dual-Mode High-Sensitive Detection of Fe(III) Ions via

Fluorescent Photonic Crystal Films Based on Co-Assembly of Silica Colloids and Carbon Dots, *Sci. Adv. Mater.*, 2017, 9, 873.

2. Weihai Zhang, Juan Xiong*, Sheng Wang, Wei-er Liu, Jun Li, Duofa Wang, Haoshuang Gu, Xianbao Wang, **Jinhua Li***, Highly conductive and transparent silver grid/metal oxide hybrid electrodes for low-temperature planar perovskite solar cells, *J. Power Sources*, 2017, 338, 118-124.
3. **Jinhua Li**, Zhenhua Sun, and Feng Yan, Solution processable low-voltage organic thin film transistors with high-*k* relaxor ferroelectric polymer as gate insulator, *Adv. Mater.* 2012, 24, 88-93.
4. **Jinhua Li**, Liyong Niu, Zijian Zheng and Feng Yan, Photosensitive Graphene Transistors, *Adv. Mater.* 2014, 26, 5239-5273.
5. **Jinhua Li**, Feng Yan, Solution Processable Low-Voltage and Flexible Floating-Gate Memories Based on a n-type Polymer Semiconductor and High-*k* Polymer Gate Dielectrics, *ACS Appl. Mater. Inter.* 2014, 6, 12815–12820.
6. **Jinhua Li**, Danqing Liu, Qian Miao, and Feng Yan, The application of a high-*k* polymer in flexible low-voltage organic thin film transistors, *J. Mater. Chem.*, 2012, 22, 15998-16004.
7. **Jinhua Li**, Jun Du, Jianbin Xu, Helen L. W. Chan, and Feng Yan, The influence of gate dielectrics on a high-mobility n-type conjugated polymer in organic thin-film transistors, *Appl. Phys. Lett.* 2012, 100, 033301.
8. **J. H. Li**, Y. Qiao, X. L. Liu, C.J. Nie, C. J. Lu, Z. X. Xu, S. M. Wang, N. X. Zhang, D. Xie, H.C. Yu and J.Q. Li, Microstructure and ferroelectric properties of sol-gel derived Bi_{3.15}Nd_{0.85}Ti₃O₁₂ thin films on Pt/Ti/SiO₂/Si(100), *Appl. Phys. Lett.* 2004, 85(15), 3193-3195.
9. Zhike Liu, **Jinhua Li**, and Feng Yan*, Package-Free Flexible Organic Solar Cells with Graphene Top Electrodes, *Adv. Mater.* 2013, 25, 4296-4301.
10. Zhenhua Sun, **Jinhua Li**, Chenming Liu, Shihe Yang, and Feng Yan, Enhancement of hole mobility of Poly(3-hexylthiophene) induced by titania nanorods in composite films, *Adv. Mater.* 2011, 23, 3648–3652.
11. Shenghua Liu, Peng You, **Jinhua Li**, Jun Li, Chun-Sing Lee, Beng S Ong, Charles Surya, Feng Yan, Enhanced Efficiency in Polymer Solar Cells by Adding a High-Mobility Conjugated Polymer, *Energ. Environ. Sci.* 2015, 8, 1463-1470.
12. Zhike Liu, **Jinhua Li**, Zhenhua Sun, Guoan Tai, Shu Ping Lau and Feng Yan, The application of highly doped single-layer graphene as the top electrodes of semitransparent organic solar cells, *ACS Nano*, 2012, 6, 810-818.
13. Zhenhua Sun, Zhike Liu, **Jinhua Li**, Guo-an Tai, Shu-Ping Lau, and Feng Yan, Infrared photodetectors based on CVD-grown graphene and PbS quantum dots with ultrahigh responsivity, *Adv. Mater.* 2012, 24, 5878–5883.
14. Yoshikazu Ito, Wenfeng Zhang, **Jinhua Li**, Haixin Chang,* Pan Liu, 3D Bicontinuous Nanoporous Reduced Graphene Oxide for Highly Sensitive Photodetectors. *Adv. Funct. Mater.* 2016, 26, 1271.
15. Pichaya Pattanasattayavong, Nir Yaacobi-Gross, Kui Zhao, Guy Olivier Ngongang Ndjawa, **Jinhua Li**, Feng Yan, Brian C. O' Regan, Aram Amassian and Thomas D. Anthopoulos, Hole-Transporting Transistors and Circuits Based on the Transparent Inorganic Semiconductor Copper(I) Thiocyanate (CuSCN) Processed from Solution at Room Temperature, *Adv. Mater.* 2013, 25, 1504–1509.
16. Lin Wang*, Changlong Liu, Xiaoshuang Chen*, Jing Zhou, Weida Hu, Xiaofang Wang, Jinhua Li, Weiwei Tang, Anqi Yu, Shao-Wei Wang, Wei Lu*, Toward Sensitive Room-Temperature Broadband Detection from Infrared to Terahertz with Antenna-Integrated Black Phosphorus Photoconductor. *Adv. Funct. Mater.* 2017, 27, 1604414.
17. Haixin Chang, Zhenhua Sun, Mitsuhiro Saito, Qinghong Yuan, Han Zhang, **Jinhua Li**, Zhongchang Wang, Takeshi Fujita, Feng Ding, Zijian Zheng, Feng Yan, Hongkai Wu, Mingwei Chen, and Yuichi Ikuhara, Regulating Infrared Photoresponses in Reduced Graphene Oxide Phototransistors by Defect and Atomic Structure Control, *ACS Nano* 2013, 7(7), 6310-6320.

18. Zhenhua Sun, **Jinhua Li** and Feng Yan, Highly sensitive organic near-infrared phototransistors based on poly(3-hexylthiophene) and PbS quantum dots, *J. Mater. Chem.* 2012, 22, 21673-21678.
19. Qidong Tai, **Jinhua Li**, Zhike Liu, Zhenhua Sun, Xingzhong Zhao and Feng Yan, Enhanced photovoltaic performance of polymer solar cells by adding fullerene end-capped polyethylene glycol, *J. Mater. Chem.* 2011, 21, 6838-6853.
20. Sujuan Wu, **Jinhua Li**, Qidong tai and Feng, Yan, Investigation of high-performance air-Processed Poly(3-hexylthiophene)/Methanofullerene bulk-heterojunction solar cells, *J. Phys. Chem. C*, 2010, 114, 21873-21877.
21. Sujuan Wu, **Jinhua Li**, Shing-chung Lo, Qingdong Tai and Feng Yan, Enhanced performance of hybrid solar cell based on ordered electrospun ZnO nanofibers modified with CdS on the surface. *Org. Electron.* 2012, 13, 3648-3642.
22. Wei Tang , **Jinhua Li** , Jiaqing Zhao , Weiming Zhang , Feng Yan , Xiaojun Guo, High-Performance Solution-Processed Low-Voltage Polymer Thin-Film Transistors with Low-k/High-k Bilayer Gate Dielectric, *IEEE Electr. Device L.*, 2015, 36, 950.
23. Feng Yan, **Jinhua Li**, and Sheung Man Mok, Highly photosensitive thin film transistors based on a composite of poly(3-hexylthiophene) and titania nanoparticles, *J. Appl. Phys.* 2009, 106, 074501.
24. Feng Yan, Meng Zhang and **Jinhua Li**, Solution-Gated Graphene Transistors for Chemical and Biological Sensors, *Adv. Healthcare Mater.* 2014, 3, 313.
25. Li Yan, Yu Wang, **Jinhua Li**, Sergii Kalytchuk, Andrei Sussha, Stephen Kershaw, Feng Yan, Andrey Rogach and Xianfeng Chen, Highly luminescent covalently bonded double hydroxide nanoparticle-fluorescent dye nanohybrids, *J. Mater. Chem. C*, 2014, 2, 4490-4494.
26. F. Chen, Q. F. Zhang, **J. H. Li**, Y. J. Qi, C. J. Lu, X. B. Chen, X. M. Ren and Y. Zhao, Sol-gel derived multiferroic BiFeO₃ ceramics with large polarization and weak ferromagnetism, *Appl. Phys. Lett.* 2006, 89, 092810.
27. Xinli Liu, Shusheng Li, **Jinhua Li**, Jian Wang, Zhan'ao Tan, Feng Yan, Hua Li, Yih Hsing Lo, Chung-Hin Chuih and Wai-Yeung Wong, Synthesis, characterization and photovoltaic properties of benzo[1,2-b:4,5-b[prime or minute]]dithiophene-bridged molecules, *RSC Adv.* 2014, 4, 63260-63267.
28. Yajun Qi, Hongyan, Qi, **Jinhua Li**, and Chaojing Lu, Synthesis, microstructure and UV-vis absorption properties and β -Ni(OH)₂ nanoplates and NiO nanostructures. *J. Cryst. Growth* 2008, 310, 4221-4225.
29. Shingchung Lo, ZhikeLiu, **Jinhua Li**, Helen Laiwa Chan, FengYann, Hybrid solar cells based on poly(3-hexylthiophene) and electrospunTiO₂ nanofibers modified with CdS nanoparticles, *Prog. Nat. Sci.: Mater. Int.*, 2013, 23(5), 514-518.
30. Zhixiong Liang, Qin Tang, Jing Liu, **Jinhua Li**, Feng Yan, and Qian Miao, N-type organic semiconductors based on π -deficient pentacenequinones: synthesis, electronic structures, molecular packing, and thin film transistors, *Chem. Mater.*, 2010, 22, 6438-6443.
31. Yalin Chen, Tao Mei*, Yi Chen, Jianying Wang, Jinhua Li, Xianbao Wang*, 8-aminoquinoline functionalized graphene oxide for simultaneous determination of guanine and adenine. *J. Solid State Electr.* 2017, doi:10.1007/s10008-016-3492-0. ([online](#))
32. Wenbo Pi, Tao Mei*, Zexian Zhang, Xiang Li, Jianying Wang, **Jinhua Li** and Xianbao Wang*, Synthesis of disk-like LiNi_{1/3}Co_{1/3}Mn_{1/3}O₂ nanoplates with exposed (001) planes and their enhanced rate performance of lithium ion battery, *CrystEngComm*, 2017, 19, 442-446.
33. Yalin Chen, Tao Mei*, Yi Chen, Jianying Wang, **Jinhua Li**, Yang Fu, Guangchao Dai, Sheng Wang, Weilai Xiong, Xianbao Wang*, A sensitive porphyrin/reduced graphene oxide electrode for simultaneous detection of guanine and adenine. *J. Solid State Electr.* 2016, 20, 2055-2062
34. Ming Hao, Yi Chen, Weilai Xiong, Liu Zhang, Liyang Wu, Yang Fu, Tao Mei, , Jianying Wang, **Jinhua Li**, Xianbao Wang , Coherent polyaniline/graphene oxides/multi-walled carbon nanotubes ternary composites for asymmetric supercapacitors, *Electrochim. Acta* 2016, 191, 165.
35. Tao Mei, , Wenbo Pi, Liu Zhang, Jianying Wang, **Jinhua Li**, Xianbao Wang, Synthesis of shell-in-shell LiNi_{0.5}Mn_{1.5}O₄ hollow microspheres and their enhanced performance for lithium ion batteries, *Mater. Lett.* 2016, 173, 141.

36. Luming Zhang, Huaquan Sun, Lai Xie, Jinnan Lu, Luyong Zhang, Sujuan Wu, Xingsen Gao, Xubing Lu, **Jinhua Li**, Jun-Ming Liu, Inorganic Solar Cells Based on Electrospun ZnO Nanofibrous Networks and Electrodeposited Cu₂O. *Nanoscale Res. Lett.*, 2015, 10, 465.
37. Ming Hao, Yi Chen, Weilai Xiong, Liu Zhang, Liyang Wu, Yang Fu, Tao Mei, Jianying Wang, **Jinhua Li**, Xianbao Wang, In situ synthesis of crosslinked-polyaniline nano-pillar arrays/reduced graphene oxide nanocomposites for supercapacitors. *J. Solid State Electr.*, 2015, 1-7
38. Weilai, Xiong, Yi Chen, Ming Hao, Liu Zhang, Tao Mei, Jianying Wang, **Jinhua Li**, Xianbao Wang, Facile synthesis of PEG based shape-stabilized phase change materials and their photo-thermal energy conversion. *Appl. Therm. Eng.*, 2015, 91, 630-637.
39. Liu Zhang, Tao Mei, Xianbao Wang, Jianying Wang, **Jinhua Li**, Weilai Xiong, Yi Chen and Ming Hao, Hierarchical architected MnCO₃ microdumbbells: facile synthesis and enhanced performance for lithium ion batteries, *CrystEngComm*, 2015, **17**, 6450-6455.
40. Yi Chen, Jia Yang, Ying Yang, Zhiyao Peng, **Jinhua Li**, Tao Mei, Jianying Wang, Ming Hao, Yalin Chen, Weilai Xiong, Liu Zhang, Xianbao Wang, A facile strategy to three-dimensional Pd@Pt core-shell nanoflowers supported on graphene nanosheets as an enhanced nanoelectrocatalyst for methanol oxidation, *Chem. Commun.*, 2015, **51**, 10490-10493.
41. Zhenfeng Zhao, Tao Mei, Yi Chen, Jiale Qiu, Doudou Xu, Jianying Wang, **Jinhua Li**, Xianbao Wang, One-pot synthesis of lightweight nitrogen-doped graphene hydrogels with supercapacitive properties, *Mater. Res. Bull.* 2015, 68, 245. (if=2.3)
42. Yi Chen, Jing Li, Tao Mei, Xian'gang Hu, Dengwu Liu, Juncheng Wang, Ming Hao, **Jinhua Li**, Jianying Wang and Xianbao Wang, Low-temperature and one-pot synthesis of sulfurized graphene nanosheets via in situ doping and their superior electrocatalytic activity for oxygen reduction reaction, *J. Mater. Chem. A* 2014, 2, 20714-20722.
43. Qian Liu, Hongmei Zhan, Cheuk-Lam Ho, Feng-Rong Dai, Yingying Fu, Zhiyuan Xie, Lixiang Wang, **Jin-Hua Li**, Feng Yan, Shu-Ping Huang Wai-Yeung Wong, Oligothiophene-bridged Bis(aryleneethynylene) Small Molecules for Solution-Processible Organic Solar Cells with High Open-Circuit Voltage, *Chem. Asian J.* 2013, 8(8), 1892-1900. (if= 3.935)
44. Feng-Rong Dai, Hong-Mei Zhan, Qian Liu, Ying-Ying Fu, **Jin-Hua Li**, Qi-Wei Wang, Zhiyuan Xie, Lixiang Wang, Feng Yan, and Wai-Yeung Wong, Platinum(II)-bis(aryleneethynylene) complexes for solution-processible molecular bulk heterojunction solar cells, *Chem. Eur. J.* 2012 18, 1052-1511.
45. Yang Fu, Tao Mei*, Gang Wang, Ankang Guo, Guangchao Dai, Sheng Wang, Jianying Wang, **Jinhua Li**, Xianbao Wang*, Investigation on enhancing effects of Au nanoparticles on solar steam generation in graphene oxide nanofluids. *Appl. Therm. Eng.* 2017 114, 961-968.
46. 王立华, **李金华**, 祁亚军, 卢朝靖, 在(001)SrRuO₃/(001)SrTiO₃上外延生长c轴取向Bi_{3.15}Nd_{0.85}Ti₃O₁₂铁电薄膜的显微结构研究, *电子显微学报*, 2008, 27(5), 92-96.
47. 叶万能, 王立华, 祁亚军, **李金华**, 卢朝靖, 层状钙钛矿型Bi_{3.15}Nd_{0.85}Ti₃O₁₂铁电薄膜在LaNiO₃/Si上取向生长的TEM研究, *电子显微学报*, 2008, 27(2), 92-96.
48. 卢朝靖, **李金华**, 段晓峰, 在c面蓝宝石上生长的InN外延薄膜中位错与极性的TEM研究, *电子显微学报(增刊)*, 2006, 25, 95-96.
49. 王立华, 梁坤, 贺小庆, **李金华**, 祁亚军, 卢朝靖, 层状钙钛矿型Bi_{3.15}Nd_{0.85}Ti₃O₁₂铁电单晶中畴结构的透射电镜研究, *电子显微学报(增刊)*2008, 34

参加的学术活动

1. Weihai zhang, Juan xiong, **Jinhua Li***(speaker), High Performance Planner Perovskite Solar Cells with Oxide Electron Transport Layer, Progress in Electromagnetics Research Symposium (PIERS), May 22-25, 2017, St Petersburg, Russia.(Invited talk).
2. Weihai zhang, Juan xiong, **Jinhua Li***(speaker), High performance planner perovskite solar cells with ZnO electron transport layer, the China PV Technology International Conference (CPTIC), March 30 - April 1, 2017, Xi'an, China. (Invited talk).
3. 江力, 王建颖, 梅涛, 王贤保, **李金华***, 低温溶液法制备高迁移率 ZnO 场效应晶体管,

- 全国第二届分子材料与器件学术研讨会, 2016.10.21-10.23, 武汉, 中国。(墙报)
- 刘维尔, 张为海, 熊娟*, 顾豪爽, 王贤保, **李金华***, 介孔钙钛矿太阳能电池, 中部四省化学年会 2016 年学术年会, 2016.9.23.-9.25, 南昌, 中国。(墙报)
 - 江力, **李金华***, 低压 PDVT-10 有机场效应晶体管的制备及性能研究, 中部四省化学年会 2016 年学术年会, 2016.9.23.-9.25, 南昌, 中国。(墙报)
 - 王圣, 王贤保, **李金华***, 宽波长响应 PbSe/石墨烯杂化光敏晶体管, 中国化学会第 30 届学术年会, 2016.7.1-7.4, 大连, 中国。(墙报)
 - 张为海, 刘维尔, 熊娟*, 顾豪爽, 王贤保, **李金华***, 基于氧化锌纳米晶的低温高效钙钛矿太阳能电池, 中国化学会第30届学术年会, 2016.7.1-7.4, 大连, 中国。(墙报)
 - 李金华***、严锋*, 高 k 栅极低压有机薄膜晶体管, 中国化学会第 30 届学术年会, 2016.7.1-7.4, 大连, 中国。(口头报告)
 - Jinhua Li *(invited talk)**, Feng Yan, The applications of high-k relaxor ferroelectric polymer in low voltage organic thin film transistors and floating gate transistor memories, 2015 International Conference for Top and Emerging Materials Scientists(IC-TEMS 2015), July 19-22, Lijiang, China.(邀请报告)
 - Jinhua Li*, Feng Yan*, Low voltage organic thin film transistors and low voltage floating gate transistor memories based on high-k relaxor ferroelectric polymer, 全国第十届有机固体电子过程暨华人有机光电功能材料学术研讨会, 2015年8月7日-10日, 北京, 中国。(墙报)
 - Jinhua Li*(Oral)**, Feng Yan, The applications of high-k relaxor ferroelectric polymer in low voltage organic thin film transistors, International Conference on Computer Aided Design for Thin-Film Transistors (CAD-TFT 2014), OCT. 15-17, 2014, Najing, China. (Oral talk) (口头报告)
 - Jinhua Li**, Feng Yan, The applications of high-k relaxor ferroelectric polymer in low voltage organic thin film transistors, Symposium on Nanoenergy and Nanomedicine: Materials, Science, and technology, May 23-25, 2014, Beijing, China. (Poster)
 - 李金华**, 严锋, 基于金属纳米悬浮栅极薄膜晶体管的低压非挥发性存储器, 第八届全国暨华人有机分子和聚合物发光与光电特性学术会议论文集, **Poster**.(2013年7月30-8月2日, 长春)
 - 李金华**, 严锋, 基于高介电常数栅极绝缘介质的低压有机场效应管, 全国第九届有机固体电子过程暨华人有机光电功能材料研讨会会议论文集, 310 页, , 分会报告(**口头报告**)。 (2012年11月9-12日, 扬州)
 - Jinhua Li**, Helen L. W. Chan and Feng Yan, The Top-Gate Organic Field-Effect Transistors based on poly(2,5bis(3-alkylthiophen-2-yl)-thieno[3,2-b]thiophene) semiconducting polymer, **E-MRS**, May 9-13, 2011, Nice, France.(poster)
 - Yajun Qi, Qiaofeng Zhang, Fang Chen, **Jinhua Li**, Lihua Wang and Chaojing Lu, "Polarization enhancement in sol-gel derived BiFeO₃/Bi_{3.15}Nd_{0.85}TiO₃ Bi-layers deposited on Pt/Ti/SiO₂/Si." International Symposium on Smart Materials and Devices(2007.12, 10-11), Hong Kong, organized by Department of Applied Physics of The Hong Kong Polytechnic University. **Smart Materials and Devices Symp. Proc.**, p.46 (oral talk)
 - 李金华**, 乔燕, 祁亚军, 卢朝靖, "Nano-scale grained Bi_{3.15}Nd_{0.85}Ti₃O₁₂ ferroelectric thin films with giant spontaneous polarization", 中国物理学会 2004 年秋季学术会议论文集, 《纳米结构与功能材料》分会邀请报告。(2004年9月, 太原)
 - 卢朝靖, **李金华**, 乔燕, 刘晓林, 徐祖勋, 王世敏, "剩余极化巨大且无疲劳的 Bi_{3.15}Nd_{0.85}Ti₃O₁₂ 纳米晶铁电薄膜", 湖北省物理学会 2004 年学术年会论文集, 大会专题报告。(2004年12月, 江汉大学)

发明专利

- 卢朝靖, 刘晓林, 陈晓琴, **李金华**, 乔燕, BNdT 铁电薄膜择优取向生长的制备方法, 专利号: ZL200610019125.4. (2008.02.20)

- 王贤保, 陈易, 李静, **李金华**, 梅涛, 王建颖, 一种硫掺杂石墨烯修饰电极及其制备方法和应用, 申请专利号: CN201410662187.1, 授权日期: 2014.11.20
- **李金华**, 王圣、王建颖、梅涛、王贤保, 一种近红外光敏晶体管及其制备方法, 专利申请号: 201611206641.8, 申请日期: 2016.12.23