ENGLISH

李建功　　教授　　性别：男

材料物理与化学、凝聚态物理专业博士生导师

材料科学与工程研究所 所长

地址：兰州市天水南路222号，兰州大学物理科学与技术学院

电话：0931-8910364　　传真：0931-8910364

电子邮件：lijg@lzu.edu.cn

个人简介：

李建功，博士，教授，博士生导师，兰州大学材料科学与工程研究所所长。从事材料科学教学与纳米材料研究。曾在纳米材料研究领域开创者H. Gleiter院士指导下开展纳米材料研究。先后主持国家973计划课题1项，国家国际科技合作计划项目1项，国家自然科学基金项目5项，省部级项目10多项。在纳米晶合金的制备、结构与力学、磁学性能，金属纳米颗粒的形状、尺寸控制及结构与磁性，陶瓷纳米颗粒制备与纳米陶瓷致密化，磁性/非磁性纳米复合材料的制备、结构与磁性，纳米薄膜的制备、结构、磁性与高频磁性，纳米晶涂层的制备、结构、力学性能与耐磨抗氧化性能，复合铁氧体的电子结构等研究方面取得一些研究成果。先后在Appl. Phys. Lett.、Nanotechnology、J. Nanosci. Nanotechn.、J. Appl. Phys.、J. Am. Ceram. Soc.等国际著名期刊发表学术论文100余篇。获得授权发明专利1项。曾获甘肃省科技进步二等奖，教育部高校青年教师奖，甘肃省优秀教师“园丁奖”，甘肃省青年教师成材奖。遴选为甘肃省跨世纪学科带头人。享受政府特殊津贴。曾任兰州大学学术委员会委员，兼任中国体视学会理事、金相与显微分析学会副理事长，教育部高校材料物理与材料化学教学指导分委员会委员，中国材料研究学会青年委员会理事，甘肃省机械学会热处理与表面工程分会副主任委员，美国科学促进协会(AAAS)会员，美国材料研究学会(MRS)会员。

研究方向：

(1) 纳米陶瓷的制备、结构与性能；
(2) 纳米玻璃的制备、结构与性能；
(3) 纳米复合材料的制备、结构与性能；
(4) 纳米薄膜与涂层的制备、结构与性能。

研究工作：

在研主要项目：

(1) 科技部国际科技合作计划：纳米玻璃研究；
(2) 国家自然科学基金项目：氧化铝纳米陶瓷制备研究

1. Lei Zhang, Huazhi Wang, and Jiangong Li:
Solution reduction synthesis and characterizations of HCP Co nanoplatelets,
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Doi: 10.1016/j.matchemphys.2009.04.022

2. Qignshan Lu, Jiangong Li*, Zhongying Wang, and Peiyu Wang:
Structure and photoluminescent properties of ZnO encapsulated in mesoporous silica SBA-15 fabricated by two-solvent strategy,
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3. Peiyu Wang, Qingshan Lu, and Jiangong Li*:
In situ formation of palladium nanoparticles inside the pore channels of ordered mesoporous silica,
Catalysis Letters (accepted). DOI: 10.1007/s10562-009-9892-3

4. Zhibin Lu, Jiangong Li*, Hang Shao, H. Gleiter, and Xia Ni:
The correlation between elastic modulus and glass transition temperature of bulk metallic glasses,
Applied Phyiscs Letters 94, 091907 (2009).doi:10.1063/1.3093879

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5. Zhibin Lu and Jiangong Li*:
Correlation between average melting temperature and glass transition temperature in metallic glasses,
Applied Phyiscs Letters 94, 061913 (2009). doi:10.1063/1.3081028

6. 魏玉鹏 王姝 张旭东 李建功：
真空热处理对TbDyFe薄膜结构和磁学性能的影响
真空科学与技术(已接受) (SCI)

7. 王艳琴 杜雪莲 苏兴华 李建功*:
pH值对沉淀法制备的氧化铝的相转变的影响
化学工程(已接受) (EI)

8. 郭跃萍 李建功* 孙晓军：
电沉积Ni-Co-W合金的微结构与软磁性能研究，
稀有金属材料与工程（已接受）(SCI)

9. Xuelian Du, Yanqin Wang, Xinghua Su, and Jiangong Li*:
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10. Fei Ma, Xingdong Jiang, Jiangong Li*, Qing, Li, and Juanjuan Huang:
Microwave properties of sea-urchin-like Ni nanoparticles,
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11. Xuelian Du, Yanqin Wang, Xinghua Su, and Jiangong Li*:
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Powder Technology 192 (1), 40-46 (2009). doi:10.1016/j.powtec.2008.11.008

12. Zhongying Wang, Peiyu Wang, Jiangong Li*, and Qingshan Lu:
Structure and optical properties of ordered mesoporous titania-silica composite thin films,
Journal of Nanoscience and Nanotechnology 8 (12), 1-8 (2008). doi:10.1166/jnn.2008.461

13. Xudong Zhang, Shu Wang, Jun Zhou, Jiangong Li*, Dongmao Jiao, and Xinli Kou:
Soft magnetic properties, high frequency characteristics, and thermal stability of co-sputtered FeCoTiN films,
Journal of Alloys and Compounds 474 (1-2), 273-278 (2009).
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14. Xia Ni, Ji Ma, Jiangong Li*, Dongmao Jiao, Juanjuan Huang, and Xudong Zhang:
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Thermal decomposition of grinding activated bayerite,
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16. 高正宏 孙晓军 李建功*：
脉冲电沉积纳米晶锌涂层的微结构与性能，
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17. Yinping Ye, Jiangong Li, Huidi Zhou, and Jiangmin Chen:
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18. Xia Ni, Ji Ma, Jiangong Li*, Juanjuan Huang, Dongmao Jiao, and Zhibin Lu:
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19. Dongmao Jiao, Jiangong Li*, Xia Ni, and Xudong Zhang;
Microstructures and magnetic properties of cobalt thin films,
Modern Physics Letters B 22 (31), 3079-3086 (2008). doi:10.1142/S021798490801759X

20. Fei Ma, Juanjuan Huang, Qing Li, and Jiangong Li*:
Morphology control and characterizations of nickel sea-urchin-like and chain-like nanostructures,
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21. Peiyu Wang, Zhongying Wang, Jiangong Li*, and Yongxiao Bai:
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22. Juanjuan Huang, Yong Qin, Jiangong Li*, Xingdong Jiang, and Fei Ma:
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23. Huazhi Wang，[a]，Xinli Kou[a], Lei Zhang,[a] and Jiangong Li:
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Materials Research Bulletin 43, 3529-3536 (2008). doi:10.1016/j.materresbull.2008.01.012

24. X. J. Sun and J. G. Li
Tribological characterisation of electrodeposited nickel–titania nanocomposite coatings sliding against silicon nitride in high vacuum,
Surface Engineering 24(3), 236-239 (2008). doi: 10.1179/174329408X286060

25. Huazhi Wang, Jiangong Li*, Xinli Kou, Lei Zhang:
Synthesis and characterizations of size-controlled $FeNi_3$ nanoplatelets,
Journal of Crystal Growth 310 (12), 3072-3076 (2008). doi: 10.1016/j.jcrysgro.2008.03.015

26. Huazhi Wang, Xinli Kou, Jie Zhang, and Jiangong Li:
Large scale synthesis and characterization of Ni nanoparticles by solution reduction method,
Bulletin of Materials Science 30 (1), 97-100 (2008).

27. Zhongying Wang, Jiangong Li*, and Haoli Zhang:
Micron scale and nanoscale structure of mesoporous silica thin films,
Journal of Non-Crystalline Solids 354 (26), 3072-3077 (2008).
doi:10.1016/j.jnoncrysol.2008.01.027

28. Dongmao Jiao, Jiangong Li*, Xudong Zhang, and Shu Wang:
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29. Jiangong Li, Xudong Zhang, Dongmao Jiao, Xia Ni, and Shu Wang:
Magnetic properties and high frequency characteristics of $Fe_{81}Co_{19}N$ thin films,
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研究成果：	Under construction
研究组成员：	Under construction

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