

李景虹（生物电分析化学，材料电化学，能源电化学）

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学历

1986 年 9 月-1991 年 7 月

中国科学技术大学 化学物理专业和高分子材料工程专业双学士学位

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中国科学院长春应用化学研究所 理学博士学位

经历

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清华大学化学系 教授、博士生导师

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中科院长春应化所电分析化学国家重点实验室 研究员、博士生导师

1997 年-2001 年

美国伊利诺伊大学(University of Illinois at Urbana-Champaign)化学学院, 加利福尼亚大学(University of California at Santa Barbara)化学和生物化学系, 克莱姆森大学(Clemson University)和 Evonyx Inc. 从事研究

研究方向

- 1、生物电分析化学：生物电化学与生物传感、生物界面电化学、分子识别与分子间相互作用、现场即时检测
- 2、材料电化学：纳米电化学、功能电极界面构筑与组装、室温离子液体电化学
- 3、能源电化学：先进功能电池材料、电催化、锂电池、超电容器、电催化、光电化学

奖励

- 全国百篇优秀博士论文获得者（2000 年）
- 国家杰出青年科学基金获得者（2001 年）

- 中国科学院引进国外杰出人才计划（百人计划）入选者（2001 年）
- 国家人事部回国（来华）定居专家（2002 年）
- 美国李氏基金会杰出成就奖获得者（2003 年-2004 年度）
- 长春青年科技创新杰出奖获得者（2003 年）
- 茅以升科学技术奖（北京市青年科技奖）（2006 年）
- 清华大学教学成果二等奖（2006 年）
- 中国分析测试协会科学技术一等奖（2007 年）
- 首届中国电化学青年奖（2007 年）
- 教育部长江特聘教授（2009 年）

兼职

- Associate Editor, *Journal of Physics and Chemistry of Solids* (Elsevier)
- Guest Editor, *Journal of Nanoscience and Nanotechnology* (American Scientific Publishers, USA)
- Associate Editor, *Science of Advanced Materials* (American Scientific Publishers, USA)
- 《化学物理学报》编委
- 《现代科学仪器》编委
- 《化学传感器》编委
- 《分析化学》编委
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- 化学传感器专业委员会委员
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- 中国化学会有机分析专业委员会委员

受邀请综述（期刊和学术专著）

1. D. Chen, G. Wang, J. H. Li*, Interfacial Bioelectrochemistry: Fabrication, Properties and Applications of Functional Nanostructured Biointerfaces, *J. Phys. Chem. C*, 2007, 111, 2351-2367 (Feature Article) **Journal Cover**
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 - 6. H. T. Liu, Y. Liu, J. H. Li*, Ionic Liquids in Surface Electrochemistry, *Phys. Chem. Chem. Phys.*, 2010, 12, 1685-1697 (Prospective Article in PCCP themed issue: Influence of Ionic Liquids on (Physico)Chemical Reactions)
 - 7. L. Z. Zheng, X. Yao, J. H. Li*, Layer-by-Layer Assembly Films and their Applications in Electroanalytical Chemistry, *Current Analytical Chemistry*, 2006, 2, 279-296
 - 8. H. X. Chang, Y. Wang, J. H. Li*, Electrochemical DNA Sensors: from Nanoconstruct to Biosensing, *Current Organic Chemistry*, accepted (2010)
 - 9. C. Y. Sun, J. H. Li*, Cell-mimicking supramolecular assemblies based on polydiacetylene lipids: Recent development as “smart” materials for colorimetric biosensing devices, Chapter 7, in *Advances in Planar Lipid Bilayers and Liposomes*, Vol. 4, 229-252, Elsevier (2006)
 - 10. J. H. Li*, Y. Gui*, M. J. Wang, C. Sun, Electrochemical Sensor, in *Encyclopedia of Sensors* (Eds. Craig A. Grimes, Elizabeth C. Dickey, and Michael V. Pishko), Page 229-254, American Scientific Publishers (2006)
 - 11. H. T. Liu, Q. Wang, G. Y. Zhu, J. H. Li*, Application of ionic liquids in electrochemical capacitor, in *Recent Advances in Supercapacitors (In the memory of late Prof. Conway)* (Ed. by Vinay Gupta), Page 141-152, Transworld Research Network, Kerala, India, 2006
 - 12. Z. P. Wang, J. H. Li*, Nanostructure Presented Chemiluminescence and Electrochemiluminescence Analysis, Chapter 2, in *Annual Review of Nano Research* (Ed. by G. Z. Cao and C. Jeffrey Brinker), Page 63-101, World Scientific Publishing Co., USA (2008)
 - 13. J. H. Li*, D. Li, J. Q. Hu, Nanostructured Materials in Biosensors, Chapter 20, in *Handbook of Electrochemical Nanotechnology* (Eds. by Y. Lin and H. S. Nalwa), American Scientific Publishers, USA (2009)
 - 14. L. Zhang, Q. Zhang, J. H. Li*, The Application of Inorganic Mesoporous

Materials as the Supports for Proteins and Enzymes in the Third-generation Electrochemical Biosensors, Chapter 15 in *Functional Nanomaterials: A Chemistry and Engineering Perspective* (Eds. By S. W. Chen and W. B. Lin), Page 587-608, World Scientific Publishers, USA and University of Science and Technology of China Press (2009)

15. Z. H. Wen, Y. M. Li, J. H. Li*, J. Z. Zhang*, Metal Oxide Nanostructures for Lithium-ion Batteries, in *Metal Oxide Nanostructures and Their Applications* (Ed. By Ahmad Umar and Yoon-Bong Hahn), American Scientific Publishers, USA (2009)

发表部分学术论文

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4. J. B. Liu, Y. L. Li, Y. M. Li, J. H. Li, Z. X. Deng*, Noncovalent DNA Decorations of Graphene Oxide and Reduced Graphene Oxide toward Water-Soluble Metal-Carbon Hybrid Nanostructures via Self-Assembly, *J. Mater. Chem.*, 2010, 20, 900-906
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6. Limiao Li, Shoujiang Xu, Zhifeng Du, Yanfang Gao, Jinghong Li*, Taihong Wang*, Electrografted Poly(N-mercaptopethyl acrylamide) and Au nanoparticles -based Organic/inorganic Film: A Platform for the High-performance Electrochemical Biosensors, *J. Asian Chem.*, 2010, 5, 919-924
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 - 9. Ying Wang, Yuyan Shao, Dean W. Matson, Yuehe Lin*, Jinghong Li*, Nitrogen Doped Graphene and its Application in Electrochemical Biosensing, *ACS Nano*, nn-2010-00315s, proofed
 - 10. Haixin Chang, Ying Wang, Jinghong Li*, Electrochemical DNA Sensors: from Nanoconstruction to Biosensing, *Current Organic Chemistry*, invited review
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 - 27. Y. Wang, J. H. Li*, A Carbon Nanotubes Assisted Strategy for Insulin Detection and Insulin Proteolysis Assay, *Anal. Chim. Acta*, 2009, 650, 49–53
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