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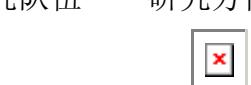


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黄青

来源: 等离子体所

发表时间: 2009-04-21

黄青: 男, 汉族, 1968年出生, 博士, 研究员, 博士生导师。研究方向: 生物物理, 激光光谱、生物光谱和物理化学。1992年在中国科技大学获得理学学士学位; 1995年获得中科院大恒光学特等奖; 1996年考取德国大众奖学金出国留学, 2000年在德国哥廷根大学获得实验物理博士学位。2000-2008在美国Uni. Puerto Rico 和Drexel Uni. 从事物理化学及生物光谱学研究工作。在国外曾任中国留德物理学会理事及会刊责任编辑, 美国生物物理、化学学会、应用光谱学会和Sigma Xi会员。2008年应聘“海外杰出人才”岗位回国工作, 入选中科院“百人计划”并通过择优。目前在中科院合肥物质研究院的离子束生物工程重点实验室工作, 主持和承担国家自然科学基金项目、中科院知识创新工程重要方向项目、科技部973项目等, 研究课题包括辐射-生物物理及生物光谱、辐射-物理化学、离子束与生物体相互作用、环境污染的痕量检测等。从事研究工作以来, 发表SCI文章40多篇, 其中发表在国际著名权威期刊包括《Adv. Mater.》、《J. Am. Chem. Soc.》、《Biophys. J.》、《J. Phys. Chem. A、B》, 《Chem. Commun.》、《Phys. Rev. B》、《Langmuir》、《Analyst》、《J. Raman Spectrosc.》、《Solid State Commun.》等。

现在正在主持和承担的项目及课题:

1. 中科院“百人计划”: 应用生物光谱研究离子辐射与生物体相互作用
2. 国家自然科学基金: 离子注入模式蛋白酶引起构象和功能改变的机理研究
3. 中国科学院知识创新工程重要方向项目, 子课题: 重离子与生物体作用的原初物理化学过程
4. 教育部留学回国人员启动基金: 应用生物光谱法研究离子束与生物体的相互作用
5. 国家科技部973重大项目: 面向持久性有毒污染物痕量检测与治理的纳米材料应用基础研究
6. 研究院院长基金项目: 基于光谱法监测米根霉诱变株代谢状态研究

主要代表性文章:

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2. B. Dang, W. Li, J. Liu, W. Zhao, Q. Huang, Investigation of fragment doses produced by heavy ions in tissue-like material, *Radiation Protection Dosimetry*. (In Press)
3. C. Zhu, G. Meng, Q. Huang, Z. Zhang, Q. Xu, G. Liu, Z. Huang and Z. Chu, Ag nanosheet-assembled micro-hemispheres as effective SERS substrates, *Chem. Commun.* (Accepted)
4. M. Wang, G. Meng, Q. Huang, M. Li, Z. Li, C. Tang. Fluorescence detection of trace PCB101 based on PITC immobilized on porous AA0 membrane, *Analyst*. (accepted)
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12. Q. Huang, C. Medforth and R. Schweitzer-Stenner, Nonplanar Deformations and Excited State Displacements in Nickel Porphyrins Detected by Raman Spectroscopy at Soret Excitation, J. Phys. Chem. A. 2005, 109: 10493-10502.
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15. Q. Huang and R. Schweitzer-Stenner. Conformational Analysis of Tetrapeptides By Exploiting The Excitonic Coupling Between Amide I Modes. *J. Raman Spectrosc.* 2004; 35. 586–591.
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