



奋进和谐

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1、个人简历

江南大学化学与材料工程学院教授，博士生导师，2009年入选江苏省“青蓝工程”中青年学术带头人。于1964年10月生，1992年7月毕业于华东师范大学化学系，获理学硕士学位。2004年6月毕业于江南大学食品学院，获工学博士学位，获2004年度江苏省优秀博士论文。1992年7月至1996年7月，中国人民解放军第9759工厂从事科研工作，主持完成一项军队重大科技攻关课题。1996.7至今，江南大学（原无锡轻工大学）讲师、副教授、教授。长期从事绿色化学教学与研究工作，在功能材料设计、合成及应用等方面积累了丰富的经验，成功开发出100余种特效分析试剂，它们被广泛应用于生产一线，产生了显著的经济社会效益。与华东师范大学潘教麦教授合著《新显色剂及其在光度分析中的应用》，该书由化学工业出版社发行，成为冶金分析行业的主要参考书。与国际离子液体权威专家共同完成编著《Ionic liquids: Applications and Perspectives》，该书已由INTECH Open Access Publisher出版。近年，应邀在国际权威学术刊物发表评述性论文8篇。主持完成国家自然科学基金、国家高科技计划“863”等政府或企业科技开项目20余项。发表学术论文130余篇，其中SCI收录论文近60多篇。获省、市级政府奖6项。担任《食品安全质量检测技术》杂志编委，Biosensors and Bioelectronics、Talanta、Analytica Chimica Acta、Analytical Letters、Journal of AOAC International和Spectroscopy Letter等国内外三种学术期刊特邀稿件评阅人。



2、研究方向

（1）现代分析材料开发及应用

着眼于食品、生物、医药、环境、日化、冶金等领域重大共性关键检测技术，开展特效试剂、离子液体、纳米粒子、石墨烯、金属簇合物等现代分析材料的设计、合成及应用研究；结合现代信息技术，开发适合物联网的智慧传感器、芯片、检测技术及相关设备。

（2）锂等战略资源高值化开发及利用

以国家重大战略需求为导向，开展锂、硼和稀土等宝贵资源的提取、同位素分离及应用的科学问题研究；开发战略资源的高值化应用技术及产业化；制备高锂电池、超级电容器等先进储能器件用绿色电解质和电极材料。

（3）生物质资源绿色转化及工业应用

以生物质资源为原料，通过化学、生物等绿色转化技术研究，开发高级生物润滑剂、表面活性剂、食品添加剂、医药、包装材料等绿色产品。

3、论文论著

1. Li Zaijun, Sun Xiulan and Liu Junkang, Ionic Liquids: Applications and Perspectives. Chapter 8: Ionic Liquid as Novel Solvent for Extraction and Separation in Analytical Chemistry (Free online editions of InTech Books and Journals can be found at www.intechopen.com).

2. Sun, XL; Li, ZJ; Cai, Y; Wei, ZL; Fang, YJ; Ren, GX; Huang, YR; Electrochemical impedance spectroscopy for analytical determination of paraquat in meconium samples using an immunosensor modified with fullerene, ferrocene and ionic liquid, *Electrochimica Acta*, **2011**, 56, 1117-1122.

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11. Sun, XL; Li, ZJ*; Fang, YJ; Chen, PP; Ren, GX; Shan, HX, Recent Advances of Microextraction with Ionic Liquid as Friendly Accept Phase for Sample Preparation in Analytical Chemistry, *CURRENT ANALYTICAL CHEMISTRY*, **2010**, 6 (3):249-259.
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4、教学工作

《无机化学》(本科生), 《有机试剂与分子探针》(研究生), 《绿色化学》(研究生)。

5、组内成员

固定成员:

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其他人员:

其子具休姓名需书, 研究生姓不修学修教其姓, 且会其成修其修其修

基于具体任务需求，研究小组还经常特邀其他人员参与或指导课题研究工作。