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School of Chemistry and Chemical Engineering



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刘林, 博士, 教授, 河南省学术技术带头人, 河南省高校科技创新人才, 河南省高等学校青年骨干教师, 安阳师范学院国际合作交流中心主任。2011年7月获中南大学应用化学专业博士学位, 博士期间(2009.6~2010.12)在美国加州州立大学洛杉矶分校进行了18个月的访学工作; 2011年9月进入安阳师范学院任教。主讲《生物化学》、《微生物学与免疫学》、《分析化学实验》、《科技论文写作》等理论实验课程。主要从事重大疾病早期诊断与药物开发等方面的研究工作, 目前已发表SCI论文110余篇, 其中, 以第一作者、通讯作者在*J. Am. Chem. Soc.*, *Green Chem.*, *Chem. Commun.*, *Biosens. Bioelectron.*, *ACS Appl. Mater. Interfaces*, *Electrochem. Commun.*, *Sensor. Actual. B: Chem.*, *Electrochem. Acta*, *Analyst*等国际知名期刊杂志上发表SCI论文70余篇, 以第一作者发表在*J. Am. Chem. Soc.* (2011, 133, 12229–12237) 上的研究成果被美国化学会Chemical & Engineering News (2011, 89(31): 36 ISSN 0009-2347) 选作专题报道, 以通讯作者发表在*Green Chem.*上的论文被选作杂志封面。目前已主持完成国家自然科学基金项目1项, 河南省科技厅项目1项, 河南省教育厅重点项目1项, 河南省高校科技创新人才项目1项, 作为第二完成人完成国家自然科学基金项目4项。获河南省科技进步奖贰等奖2项: 用于早期诊断与药物开发的电化学传感技术(第一完成人)和绿色化学法制备、改性纳米材料基础研究(第六完成人)。申请国家发明专利9项, 已授权6项。出版专著1部。

近五年发表的代表性论文

1. Xia, Ning; Deng, Dehua; Yang, Suling; Hao, Yuanqiang; Wang, Luyan; Liu, Yuwei; An, Cuixia; Han, Qiuyang; Liu, Lin*. Electrochemical immunosensors with protease as the signal label for the generation of peptide-Cu(II) complexes as the electrocatalysts toward water oxidation, **2019年**, *Sensors and Actuators B: Chemical*, 291: 113-119
2. Dehua, Deng; Yuanqiang, Hao; Suling, Yang; Qiuyang, Han; Lin, Liu*; Yanrong, Xiang; Fanbin, Tu; Ning, Xia. A signal-on electrochemical biosensor for evaluation of caspase-3 activity and

- cell apoptosis by the generation of molecular electrocatalysts on graphene electrode surface for water oxidation, **2019年**, *Sensors and Actuators B: Chemical*, 286: 415-42
3. Lin, Liu*; Dehua, Deng; Yiru, Wang; Kewei, Song; Ziling, Shang; Qiao, Wang; Ning, Xia; Bing, Zhang*. A colorimetric strategy for assay of protease activity based on gold nanoparticle growth controlled by ascorbic acid and Cu(II)-coordinated peptide, **2018年**, *Sensors and Actuators B: Chemical*, 266: 246-254
 4. Dehua, Deng; Lin, Liu*; Yingping, Bu; Xiuhua, Liu; Xuezheng, Wang; Bing, Zhang*. Electrochemical sensing devices using ATCUN-Cu(II) complexes as electrocatalysts for water oxidation, **2018年**, *Sensors and Actuators B*, 269: 189–194
 5. Kai, Sun; Xin, Wang; Fangfang, Fu; Chong, Zhang; Yao, Chen; Lin Liu*. Metal-free Selenosulfonylation of Alkynes: Rapid Access to β -(Seleno)vinyl Sulfones via a Cationic-species-induced Pathway, **2017年**, *Green Chem*, 19: 1490-1493.
 6. Leilei, Liu; Yong, Chang; Ning, Xia; Peizhen, Peng; Liping, Zhang; Mengsha, Jiang; Jiebin, Zhang; Lin, Liu*. Simple, sensitive and label-free electrochemical detection of microRNAs based on the in situ formation of silver nanoparticles aggregates for signal amplification, **2017年**, *Biosensors and Bioelectronics*, 94: 235-242
 7. Kai, Sun; Ning, Xia; Lijuan, Zhao; Ke, Liu; Wenjing, Hou; Lin Liu*. Aptasensors for the Selective Detection of Alpha-synuclein Oligomer by Colorimetry, Surface Plasmon Resonance and Electrochemical Impedance Spectroscopy, **2017年**, *Sensors and Actuators B: Chemical*, 245: 87-94
 8. Lin, Liu*; Yong, Chang; Jie, Yu; Mengsha, Jiang; Ning, Xia. Two-in-one polydopamine nanospheres for fluorescent determination of beta-amyloid oligomers and inhibition of beta-amyloid aggregation, **2017年**, *Sensors and Actuators B: Chemical*, 251: 359-365
 9. Lin, Liu*; Cheng, Cheng; Yong, Chang; Huiyun, Ma; Yuanqiang, Hao. Two sensitive electrochemical strategies for the detection of protein kinase activity based on the 4-mercaptophenylboronic acid-induced in situ assembly of silver nanoparticles, **2017年**, *Sensors and Actuators B: Chemical*, 248:178-186
 10. LeiLei, Liu; Jing, Chen; CaiXia, Yu; WenXing, Lv; HuiYing, Yu; XiaoQing, Cui; Lin, Liu*. A novel Ag(I)-calix[4]arene coordination polymer for the sensitive detection and efficient photodegradation of nitrobenzene in aqueous solution, **2017年**, *Dalton Trans*, 46: 178-185
 11. Xia, Ning; Liu, Lin*; Chang, Yong; Hao, Yuanqiang; Wang, Xiaojin. 4-Mercaptophenylboronic acid-induced in situ formation of silver nanoparticle aggregates as labels on an electrode surface, **2017年**, *Electrochemistry Communications*, 74: 28-32
 12. Xia, Ning; Wang, Xin; Yu, Jie; Wu, Yangyang; Cheng, Shuchao; Xing, Yun; Liu, Lin*. Design of electrochemical biosensors with peptide probes as the receptors of targets and the inducers of gold nanoparticles assembly on electrode surface, **2017年**, *Sensors and Actuators B: Chemical*, 239: 834-840
 13. Ning, Xia; Zhihua, Chen; Yadong, Liu; Huizhu, Ren; Lin, Liu*. Peptide aptamer-based biosensor for the detection of human chorionic gonadotropin by converting silver nanoparticles-based colorimetric assay into sensitive electrochemical analysis, **2017**

年, *Sensors and Actuators B: Chemical*, 243: 784-791

14. Xia, Ning; Wang, Xin; Zhou, Binbin; Wu, Yangyang; Mao, Wenhui; Liu, Lin*. Electrochemical detection of amyloid-beta oligomers based on the signal amplification of a network of silver nanoparticles, **2016年**, *ACS Applied Materials & Interfaces*, 8: 19303-19311

15. Lin, Liu*; Ning, Xia; Jie, Yu. A graphene oxide-based fluorescent scheme for the determination of the activity of the beta-site amyloid precursor protein (BACE1) and its inhibitors, **2016年**, *Microchimica Acta*, 183: 265-271

16. Xia, Ning; Zhou, Binbin; Huang, Nanbing; Jiang, Mengsha; Zhang, Jiebing; Liu, Lin*. Visual and fluorescent assays for selective detection of beta-amyloid oligomers based on the inner filter effect of gold nanoparticles on the fluorescence of CdTe quantum dots, **2016年**, *Biosensors and Bioelectronics*, 85: 625-632

17. Xia, Ning; Peng, Peizhen; Wang, Shasha; Du, Jiaying; Zhu, Gaihong; Du, Weimin; Liu, Lin*. A signal-on electrochemical strategy for protease detection based on the formation of ATCUN-Cu(II), **2016年**, *Sensors and Actuators B: Chemical*, 232: 557-563

18. Xia, Ning; Zhang, Youjuan ; Guan, Pengpeng; Hao, Yuanqiang; Liu, Lin*. A simple and label-free electrochemical method for detection of beta-site amyloid precursor protein cleaving enzyme and screening of its inhibitor, **2015年**, *Sensors and Actuators B: Chemical*, 213: 111-115

19. Xia, Ning; Zhang, Youjuan; Wei, Xin; Huang, Yaping; Liu, Lin*. An electrochemical microRNAs biosensor with the signal amplification of alkaline phosphatase and electrochemical-chemical redox cycling, **2015年**, *Analytica Chimica Acta*, 878: 95-101

20. Lin, Liu*; Yanping, Gao; Huiping, Liu; Ning, Xia. An ultrasensitive electrochemical miRNAs sensor based on miRNAs-initiated cleavage of DNA by duplex-specific nuclease and signal amplification of enzyme plus redox cycling reaction, **2015年**, *Sensors and Actuators B: Chemical*, 208: 137-142

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