


合肥学院研究生校内导师简介

姓名	谢成根	性别	男	
学历	博士研究生	学位	博士	
院系	材化学院	专业技术职务及专家称谓	教授	
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主要研究领域及方向	功能纳米材料合成与环境污染检测技术			
个人简历	<p>谢成根，博士，教授，省级教学名师，皖西学院博士后合作导师，材化学院院长，仿生传感与检测技术安徽省重点实验室主任。从事高分子化学、功能高分子材料和仪器分析等课程的教学与科研工作，先后主持国家自然科学基金项目、安徽省科技重大专项、安徽省科技计划等 10 余项。近年来，先后在国内外重要期刊如 <i>Anal. Chem.</i> 等期刊上发表论文 40 余篇，其中 SCI 收录 30 余篇，发表论文累计引用次数 1000 余次，单篇最高引用 250 次，国家发明专利 3 项，省级科技成果鉴定 3 项、获得六安市科技奖 3 项。</p>			
近五年主要科研项目	<p>(1) 安徽省科技厅重大专项，“功能性羽绒羽毛精深加工关键技术研发及产业化(18030701164)”，2018-2020，主持；</p> <p>(2) 安徽省科技计划项目“仿生传感与检测技术安徽省重点实验室绩效评价后补助(1606c08229)”，2016-2018，主持。</p>			
主要成果 (论文、著作、专利等)	<p>[1] Jin JC, Zhu YJ, Li J, Zhang YL, Xie CG*, A novel microporous metal-organic framework for highly sensitive and selective photochemical determination of chlorpyrifos, <i>Inorg. Chem. Commun.</i>, 2020, 119, 108062-108066.</p> <p>[2] Xie T, Zhong XF, Liu ZJ, Xie CG, Silica-anchored cadmium sulfide nanocrystals for the optical detection of copper(II), <i>Microchim Acta</i>, 2020, 187: 323</p> <p>[3] Li HF, Wang YW, Zha HL, Dai PP, Xie CG, Reagentless Electrochemiluminescence Sensor for Triazophos Based on Molecular Imprinting</p>			

Electropolymerized Poly(Luminol-p-aminothiopheno) Composite-Modified Gold Electrode, *Arab. J. Sci. Eng.* 2019, 44, 145–152

[4] Li HF, Ye LL, Wang YW, **Xie CG***, A glassy carbon electrode modified with hollow cubic cuprous oxide for voltammetric sensing of L-cysteine, *Microchim Acta*, 2018, 185, 5–13.

[5] Li HF, Ye LL, Wang YW, **Xie CG***. Core-shell magnetic molecularly imprinted polymer nanoparticles for the extraction of triazophos residues from vegetables. *Microchim Acta*, 2017, 184, 1011–1019.

[6] Li HF, **Xie CG***, Enhanced electrochemiluminescence of luminol at the gold nanoparticle/carbon nanotube/electropolymerised molecular imprinting composite membrane interface for selective recognition of triazophos, *Int. J. Environ. Anal. Chem.* 2016, 96(13):1300–1311

[7] Li HF, **Xie CG***, Fu XC. Electrochemiluminescence sensor for sulfonylurea herbicide with molecular imprinting core-shell nanoparticles /chitosan composite film modified glassy carbon electrode. *Sens. Actuators B*, 2013, 181, 858-866.

[8] Li HF, **Xie CG***, Li SQ, Xu K. Electropolymerized molecular imprinting on gold nanoparticle-carbon nanotube modified electrode for electrochemical detection of triazophos. *Colloid. Surface. B*, 2012, 89, 175– 181.

[9] Li HF, **Xie CG***. Determination of iodide in urine based on chemiluminescence system of cerium (IV)–tween 40–iodide, *J. Lumin.*, 2012, 132, 30-34.

[10] Wu J, Fu XC, **Xie CG***, Yang M, Fang W, Gao S. TiO₂ nanoparticles-enhanced luminol chemiluminescence and its analytical applications in organophosphate pesticide imprinting. *Sens. Actuators B*, 2011, 160, 511-516.

[11] **Xie CG***, Li HF, Li SQ, Gao S. Surface molecular imprinting for chemiluminescence detection of the organophosphate pesticide chlorpyrifos. *Microchim. Acta*, 2011, 174, 311–320.

[12] **Xie CG***, Gao S, Zhou HK, Li HF. Chemiluminescence sensor for sulfonylurea herbicide using molecular imprinted microspheres as recognition element, *Luminescence*, 2011, 26, 271-279.

	<p>[13] Xie CG*, Li HF, Li SQ, Wu J, Zhang ZP. Surface molecular self-assembly for organophosphate pesticide imprinting in electropolymerized poly(p-aminothiophenol) membranes on a gold nanoparticle modified glassy carbon electrode, <i>Anal. Chem.</i>, 2010, 82, 241-249.</p> <p>[14] Xie CG*, Zhou HK, Gao S, Li HF, Molecular imprinting method for on-line enrichment and chemiluminescent detection of the organophosphate pesticide triazophos, <i>Microchimica Acta</i>, 2010, 171(3-4), 355-362.</p> <p>[15] Xie CG*, Gao S, Guo QB, Xu K, Electrochemical sensor for 2,4-dichlorophenoxy acetic acid using molecularly imprinted polypyrrole membrane as recognition element, <i>Microchimica Acta</i>, 2010, 169(1-2), 145-152.</p> <p>[16] Xie CG*, Li, HF, Determination of tannic acid in industrial wastewater based on chemiluminescence system of $KIO_4-H_2O_2$-Tween40, <i>Luminescence</i>, 2010, 25(5), 350-354.</p> <p>[17] Xie CG, Liu BH, Wang ZY, Gao DM, Guan GJ, Zhang ZP. Molecular Imprinting at Walls of Silica Nanotubes for TNT Recognition. <i>Anal. Chem.</i>, 2008, 80, 437-443.</p> <p>[18] Xie CG, Zhang ZhP, Wang DP, Guan GJ, Gao DM, Liu JH. Surface Molecular Self-Assembly Strategy for TNT Imprinting of Polymer Nanowire/Nanotube Array. <i>Anal. Chem.</i>, 2006, 78, 8339-8346.</p> <p>[19] Xie CG, Cui H. Detection of tannic acid at trace level in industrial wastewaters using a highly sensitive chemiluminescence method. <i>Water Reseach</i>, 2003, 37(1), 233-237.</p> <p>[20] 谢成根, 等, 基于硅基表面固定 CdS 纳米晶荧光探针、制备方法及其对 Cu^{2+} 的检测, 2020,2, 中国 ZL 201910377418.7</p> <p>[21] 徐国梅, 谢成根,等. 壳聚糖型席夫碱及其制备方法以及基于其的羽毛清洗除臭剂, 2017.1. 中国, ZL201510018811.9.</p>
<p>获奖情况</p>	<p>安徽省优秀教师, 2014</p>