**化学化工学院2016届硕士毕业生发表论文清单**

**段红兵**

1． Simultaneous determination of four local anesthetics by CE with ECL and study on interaction between procainamide and human serum albumin, ***Talanta***, 2016, 154, 341–345

2. Sensitive CE-ECL method with AuNPs-enhanced signal for the detection of b-blockers and the study of drug–protein interactions, ***RSC Advances***, 2016, 6, 45533-45539.

1. Determination of metoprolol tartrate and bisoprolol fumarate by capillary electrophoresis coupled with tris(2,2-bipyridyl)-ruthenium(II) electrochemiluminescence detection and study on the interaction between the drugs and human serum albumin. ***Anal. Methods***, 2015, 7, 3946-3951

**刘培芳**

1. Porous hollow carbon spheres for electrode material of supercapacitors and support material of dendritic Pt electrocatalyst. ***Journal of Power Sources*** 2015, 280, 30–38.
2. Three-dimensional hierarchical porous Pt-Cu alloy networks with enhanced catalytic activity towards methanol and ethanol electro-oxidation. ***Journal of Power Sources*** 2015,296,282-289.
3. Bi-functional porous carbon spheres derived from pectin as electrode material for supercapacitors and support material for Pt nanowires towards electrocatalytic methanol and ethanol oxidation. ***Electrochimica Acta*** 2015, 163, 140–148.
4. Microporous carbon derived from acacia gum with tuned porosity for high-performance electrochemical capacitors. ***International Journal of Hydrogen Energy*** 2015, 40, 6188–6196.
5. CuO nanoparticles supported on carbon microspheres as electrode material for supercapacitors. ***Ionics*** 2015, 21, 185–190.
6. 球形多孔氧化钴/碳复合材料的制备及电容性能研究. **信阳师范学院学报（自然科学版）**2015,28,4.533-537.

**张继宗**

1. One-step synthesis of layered CuS/multi-walled carbon nanotube nanocomposites for supercapacitor electrode material with ultrahigh specific capacitance. ***Electrochimica Acta***, 149 (2014) 28-33. (SCI, IF 4.803)
2. Hydrothermal synthesis of molybdenum disulﬁde nanosheets as supercapacitors electrode material. ***Electrochimica Acta***,132 (2014) 397-403. (SCI, IF 4.803)
3. Preparation of porous layered molybdenum selenide-graphene composites on Ni foam for high-performance supercapacitor and electrochemical sensing. ***Electrochimica Acta***, 180 (2015) 770-777. (SCI, IF 4.803)
4. Novel electrochemical sensing platform based on molybdenum disulfide nanosheets-polyaniline composites and Au nanoparticles. ***Sensors and Actuators B: Chemical***, 194 (2014) 303-310. (SCI, IF 4.758)
5. Synthesis of reduced graphene oxide wrapped-copper sulfide hollow spheres as electrode material for supercapacitor. ***International Journal of Hydrogen Energy***, 40 (2015) 10158-10167. (SCI, IF 3.205)
6. One-step solvothermal synthesis of different morphologies CuS nanosheets compared as supercapacitor electrode materials. ***Journal of Alloys and Compounds***, 625 (2015) 158-163. (SCI, IF 3.014)
7. Acetylene black incorporated layered copper sulfide nanosheets for high-performance supercapacitor. ***Journal of Alloys and Compounds***, 641 (2015) 119-126. (SCI, IF 3.014)
8. One-step hydrothermal synthesis of two-dimensional cobalt sulfide for high-performance supercapacitors. ***Materials Letters***, 131 (2014) 45-48. (SCI, IF 2.437)
9. Preparation of layered MoSe2 nanosheets on Ni-foam substrate with enhanced supercapacitor performance. ***Materials Letters***, 152 (2015) 244-247. (SCI, IF 2.437)
10. Net-like molybdenum selenide-acetylene black supported on Ni foam for high-performance supercapacitor electrodes and hydrogen evolution reaction. ***Chemical Engineering Journal***, 302 (2016) 437-445. (SCI, IF: 5.310)

**张红定**

1. A fluorescent biosensor for protein detection based on poly(thymine)-templated copper nanoparticles and terminal protection of small molecule-linked DNA, ***Biosensors and Bioelectronics****,* 2015, 74: 581-586.
2. A label-free and ultrasensitive fluorescent sensor for dopamine detection based on double-stranded DNA templated copper nanoparticles. ***Sensors and Actuators B: Chemical***, 2015, 220: 146-153.
3. A sensitive and label-free electrochemical impedance biosensor for protein detection based on terminal protection of small molecular-linked DNA, ***Sensors and Actuators B: Chemical,*** 2014, 194: 478-483.
4. H2O2-mediated fluorescence quenching of double-stranded DNA templated copper nanoparticles for label-free and sensitive detection of glucose, ***RSC Advance***, 2015, 5(95): 77906-77912.
5. Tungsten disulfide nano-flowers/silver nanoparticles composites based electrochemical sensor for theophylline determination, ***Journal of The Electrochemical Society,*** 2015, 162(7): B173-B179. (SCI二区，IF 3.014)
6. Electrochemical biosensor for simultaneous determination of guanine and adenine based on dopamine-melanin colloidal nanospheres-graphene composites, ***Journal of Solid State Electrochemistry***, 2014, 18(9): 2435-2442.
7. Inhibition of double-strand DNA templated copper nanoparticles as a label-free fluorescent sensor for L-histidine, ***New Journal of Chemistry,*** 2015, 39(11): 8896-8890.
8. Poly (thymine)-templated fluorescent copper nanoparticles for label-free detection of N-acetylcysteine in pharmaceutical samples, ***Analytical Methods,*** 2015, 7(15): 6372-6377.
9. Determination of adenine and guanine by a dopamine-melanin nanosphere-polyaniline nanocomposite modified glassy carbon electrode, ***Analytical Letters***, 2016, 49(2): 226-235.
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**史朝霞**

1. Morphology–dependent electrochemical sensing properties of manganese dioxide–graphene oxide hybrid for guaiacol and vanillin. ***Electrochimica Acta***, 2014, 147, 157−166.
2. Simple and novel electrochemical sensor for the determination of tetracycline based on iron/zinc cations–exchanged montmorillonite catalyst. ***Talanta*,** 2014, 121, 187−193.
3. Preparation of yolk–shell structured copper oxide@silica oxide spheres and their application in high performance electrochemical sensing of Formoterol fumarate residues in swine feed and tissues. ***Food Chemistry*,** 2016, 190, 544−551.
4. Size−controlled core–shell−structured Ag@carbon spheres for electrochemical sensing of bisphenol A. ***Journal of Solid State Electrochemistry*,** 2015, 19, 2299−2309.
5. A Novel electrochemical sensing strategy for rapid and ultrasensitive detection of 6−benzylaminopurine in sprout vegetables by hollow core/shell−Structured CuO@SiO2 microspheres. ***Food Analytical Methods*,** 2015, 8, 2504−2514.
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7. Rifampicin determination in human serum and urine based on a disposable carbon paste microelectrode modified with a hollow manganese oxide@mesoporous silica oxide core−shell nanohybrid. ***Canadian Journal of Chemistry***, 2015, 93, 1061−1068. (SCI四区, IF 1.003)
8. Synthesis and characterization of mesoporous tin oxide−functionalized reduced graphene oxide nanoplatelets for ultrasensitive detection of guaiacol in red wines. ***Australian Journal of Chemistry***, 2016, 69, 220−229. (SCI四区, IF 1.427)
9. Fabrication of hierarchical hollow manganese silicate spheres for the simultaneous enhanced determination of 2−aminophenol and 4−aminophenol. ***Electroanalysis***, 2016, 28, 111−118.

**杨润桦**

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3. 非金属矿物聚合材料的制备及性能研究[J]. 信阳师范学院学报, 2014, (3): 371-374.