

Resume of Yuqun Xie

Basic Information



School :	School of Life and Health Sciences
Gender:	Female
Date of Birth:	198011
Title:	Professor
Education:	Ph.D
Tutor:	Master degree
Interest of research:	Research on electrochemical sensors

Academic Background

From September 2000 to July 2004, Huazhong Agricultural University, College of Life Science and Technology, Bachelor's degree in bioengineering;
From September 2004 to July 2007, Huazhong Agricultural University, Master's degree of microbiology;
From September 2007 to July 2013, University of Idaho, Ph.D of Analytical chemistry.

Enrollment Information

1. Enrollment Discipline: Food science and Engineering

Representative Projects

1. Francis Cheng, **Yuqun Xie**. A method for the rapid and selective detection of triacetone triperoxide. (OTT case number 08-034)
2. Francis Cheng, **Yuqun Xie**, Isaiah Owusu Gyan, Nolan W. Nicholas, David N. McIlroy, Peter R. Griffiths. Method for making graphene. (U.S. provisional patent application NO. 61/757,411)
3. A method for rapid on-line COD electrochemical monitoring, 201910321910.2
4. A method for rapid Identification of vintage wines by Electrochemical impedance spectroscopy, 201910216500.1
5. A method for rapid determination of plasticizer content in liquor, 201910216497.3
6. A method for preparing graphene composite silicon dioxide electrochemical electrode, 201910710812.8
7. A kind of electrochemical fast online intelligent distilling equipment for distilled

liquor,201907194031.5

8. A total phosphorus electrochemical fast (detector) on-line monitor,201910710832.5

Representative Articles

- 1) Xinyue Jiang , Yuqun Xie ✉, Duanji Wan, Maobin Chen , Fuping Zheng.
GUITAR-enhanced facile discrimination of aged Chinese Baijiu using
electrochemical impedance spectroscopy *Analytica Chimica Acta* 1059 (2019)
36-41 (SCI Analytical Chemistry Zone 1 IF: 5.12)
- 2) Zhou, Hang , Zheng, Cao, Su, Jianmei, Chen, Bo, Fu, Yang, Xie, Yuqun, Tang,
Qing, Chou, Shan-Ho, He, Jin*, Characterization of a natural triple-tandem
c-di-GMP riboswitch and application of the riboswitch-based dual-fluorescence
reporter, *Scientific Reports*, 2016, 6. (SCI Comprehensive periodical District 2 IF:
5.228)
- 3) Zheng, Cao , Ma, Yang, Wang, Xun, Ali, Maria K., He, Jin, Xie, Yuqun,
Functional analysis of the sporulation-specific diadenylate cyclase CdaS in *Bacillus*
thuringiensis, *Frontiers in Microbiology*, 2015, 6 (SCI Biological area 2 IF: 4.165)
- 4) Travis Woodland , Matthew Sorge, Song Zhang, Thomas Bean, Simon McAllister,
John Canning, Yuqun Xie, Dean Edwards, Experimental and
theoretical investigation of nonconductive additives on the performance of
positive leadacid battery plates, *Journal of Power Sources*, 2013, 230: 15-24
(SCI Engineering and technology category, area 1 IF: 6.333)
- 5) Cheng, I. Francis , Xie, Yuqun, Gyan, Isaiah Owusu, Nicholas, Nolan W., Highest
measured anodic stability in aqueous solutions: Graphenic electrodes from the
thermolyzed asphalt reaction, *RSC Advances*, 2013, 3 (7) : 2379-2384。
(SCI Chemical class area 2 IF: 3.289)
- 6) Xie, Yuqun , McAllister, Simon D., Hyde, Seth A., Sundararajan, Jency Pricilla,
FouetioKengne, B.A., McIlroy, David N., Cheng, I. Francis, Sulfur as an important
co-factor in the formation of multilayer graphene in the thermolyzed asphalt
reaction, *Journal of Materials Chemistry*, 2012, 22(12): 5723-5729 (SCI Chemical
category area 1 IF: 6.1)

- 7) Yuqun Xie , Simon D. McAllister, Dean B. Edwards, I. Francis Cheng, Fabrication of porous hollow glass microspheres, *Journal of Power Sources*, 2011, 196 (24): 10727-10730 (SCI Engineering and technology category, area 1 IF: 6.333)
- 8) I. Francis Cheng , Yuqun Xie, R. Allen Gonzales, Przemysław R. Brejna, Jency Pricilla Sundararajan, B.A. Fouetio Kengne, D. Eric Aston, David N. McIlroy, Jeremy D. Foutch, Peter R. Griffiths, Synthesis of graphene paper from pyrolyzed asphalt, *Carbon*, 2011, 49 (8) : 2852-2861 (SCI Engineering and technology category, area 1 IF: 6.198)
- 9) Yuqun Xie , I. Francis Cheng, Selective and rapid detection of triacetone triperoxide by double-step chronoamperometry, *Microchemical Journal*, 2010, 94 (2) : 166-170 (SCI Chemical category area ,3 IF: 2.893)
- 10) Yuqun Xie, Jin He, Jun Huang, Jibin Zhang, Ziniu Yu. Determination of 2-methylisoborneol and geosmin produced by *Streptomyces* sp. and *Anabaena* PCC7120 using headspace liquid phase microextraction coupled with gas chromatography-mass spectrometry. *J. Agric. Food Chem.* 2007, 55, 6823-6828. (SCI Comprehensive agricultural area 1 IF: 2.853)
- 11) Bo Xie, Da Song Chen, Kui Zhou, Yuqun Xie, Youguo Li, Guoyuan Hu, Junchu Zhou. Symbiotic abilities of *Sinorhizobium fredii* with modified expression of purL. *Appl Microbiol Biotechnol.* 2006, 71, 505-514. (SCI Bioengineering and applied microorganisms IF: 3.376)