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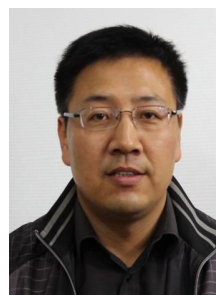


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教师简介

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温广明, 男, 1974年10月生, 山西岚县人, 中共党员, 理学博士, 教授, 博士生导师。兼任中国化学会会员, 山西省第九届、十届青联委员。

教育经历:

1993-1997 山西大学化学系本科
2003-2008 山西大学化学化工学院博士研究生
2014.1-2016.4 南京大学化学化工学院博士后

工作经历:

1997-2003 山西省水产科学研究所 工程师
2008至今 山西大学化学化工学院 教师

讲授课程:

仪器分析: 基础无机及分析化学实验

科研方向:

生物及化学传感

主持科研项目:

1. 微生物传感技术检测温室气体甲烷的研究, 太原市创新创业项目, 2008-2009, 3万。
2. 微生物甲烷传感器的研究, 山西省青年科学基金, 2010-2012, 8万元。
3. 纳米颗粒增强型甲烷微生物传感器的研究, 教育部博士点新教师基金, 2012-2014, 4万。
4. 光电生物传感机制的研究, 中国博士后科学基金, 2014-2015, 5万。
5. 基于电荷复位调控机制的光电生物传感器的研究, 山西省自然科学基金, 2015-2017, 3万。
6. 基于电荷复位调控的新型光电化学传感器, 山西省高校科技创新项目, 2015-2017, 3万。

7. 基于电荷复位调控新型光电化学传感的研究及在鞘氨醇等生命体神经系统相关分子检测中的应用, 国家自然科学基金面上项目, 2016-2019, 65 万

8. 新型光电传感器的开发, 横向, 2015-2017, 4 万。

发表代表性论文:

1. **Guangming Wen**, and Huangxian Ju. Enhanced Photoelectrochemical Proximity Assay for Highly Selective Protein Detection in Biological Matrices. *Analytical Chemistry*. 2016, 90, 2923-2928.

2. **Guangming Wen**, Lihong Shi, Chuan Dong, Shaomin Shuang, Green and facile synthesis of nitrogen-doped carbon nanodots for multicolor cellular imaging and Co^{2+} sensing in living cells. *Sensors and Actuators B*. 2016, 235, 179-187.

3. **Guangming Wen**, Xiaojie Yang, Xiaoli Xi, Cathode photoelectrochemical immunoassay based on analyte-induced formation of exciton trapping for carcinoembryonic antigen detection. *Journal of Electroanalytical Chemistry*. 2015, 757, 192-197.

4. **Guangming Wen**, Martin M.F. Choi, Shaomin Shuang, Photoelectrochemical sensor for detecting Hg^{2+} based on exciton trapping, *Sensors and Actuators B*. 2015, 221, 1449-1454.

5. Xiangping Wen, Lihong Shi, **Guangming Wen**, Yanyan Li, Chuan Dong, Jun Yang, Shaomin Shuang, Green synthesis of carbon nanodots from cotton for multicolor imaging, patterning, and sensing. *Sensors and Actuators B*. 2015, 221, 769-776.

6. **Guangming Wen**, Peng Wang, Wenwen Tu, Jianping Lei & Huangxian Ju*. Biosensing strategy based on photocurrent quenching of quantum dots via energy resonance absorption. *Science China Chemistry*. 2015, 58, 879-884.

7. **Guangming Wen**, Huangxian Ju. Ultrasensitive photoelectrochemical immunoassay based on tag induced exciton trapping. *Talanta*, 2015, 134, 496-500.

8. **Guangming Wen**, Shaomin Shuang, Martin M.F. Choi. A Whole cell biosensor for detection of methanol. *Sensors and Actuators*. 2014, 201, 586-591.

9. **Guangming Wen**, Zhongping Li, Chuan Dong, Martin M.F. Choi. Detection of ethanol in food: A new biosensor based on bacteria. *J. Food Engin.* 2013, 118, 56-61.

10. Caihong Zhang, **Guangming Wen**, Shaomin Shuang, Chuan Dong*, Martin M.F. Choi. Synthesis and photophysical studies of oxazole rings containing compounds as electron accepting units, *Spectrochimica Acta Part a: Molecular and Biomolecular Spectroscopy*. 2013, 102:256-262.

11. **Guangming Wen**, Shaomin Shuang, Chuan Dong*, Martin M.F. Choi. An ethanol biosensor based on a bacterial cell-immobilized eggshell membrane. *Chinese Chemical Letters*. 2012, 23, 481-483.

12. Guomei Zhang, Yinhui Li, Caihong Zhang, **Guangming Wen**, Shaomin Shuang, Chuan Dong. Study on the intermolecular complexation behavior between p-sulfonatocalix[4]arene with L-tyrosine. *Journal of Inclusion Phenomena and Macrocyclic Chemistry*. 2012, 72, 473-479.

13. **Guangming Wen**, Zhongping Li, Shaomin Shuang, Chuan Dong, Man Chin Paa, Martin M.F. Choi. Application of hydrophobic palladium nanoparticles for the development of electrochemical glucose biosensor. *Biosensors and Bioelectronics*. 2011, 26, 4619-4623.

14. CHEN Liang; ZHENG Jun; ZHANG Yixia; **WEN Guangming**. Isolation of An Ethanol-utilizing Strain and Its Application in Determination of Ethanol. *Chinese Journal of Applied and Environmental Biology*. 2009, 15, 559-562.

15. **Guangming Wen**, Jun Zheng, Chungui Zhao, Shaomin Shuang, Chuan Dong, Martin M. F. Choi. A microbial biosensor system for monitoring methane. *Enzyme and Microbial Technology*. 2008, 43, 257-261.

16. **Guangming Wen**, Caihong Zhang, Shaomin Shuang, Chuan Dong. Improved Research on Synthesis of Cryptophane-A. *Shanxi University Acta*. 2008, 31, 218-220.

17. Jun Zheng, Chungui, **Guangming Wen**, Chuan Dong. Separation of a methane bacteria and application in Detecting Methane. *Acta Microbiologica Sinica*. 2008, 48, 398-402.
18. Caihong Zhang, **Guangming Wen**, Shaomin Shuang, Chuan Dong. Spectral Study on the Interaction of Cryptophane-A and Neutral Molecules. *Talanta*. 2008, 76, 235-240.
19. **Guangming Wen**, Yan Zhang, Shaomin Shuang, and Martin M.F. Choi. Application of biosensor for monitoring of ethanol. *Biosensors and Bioelectronics*. 2007, 23, 121-129.
20. **Guangming Wen**, Yan Zhang, Yehong Zhou, Shaomin Shuang, Chuan Dong and Martin M.F. Choi. Development and analytical application of an uric acid biosensor using an uricase-immobilized eggshell membrane. *Biosensors and Bioelectronics*. 2007, 22, 1791-1797.
21. **Guangming Wen**, Yan Zhang, Shaomin Shuang, and Chuan Dong, Martin M. F. Choi. Biosensors for Determination of Galactose with Galactose Oxidase Immobilized on Eggshell Membrane. *Anal. Letters*. 2005, 38, 1519-1529.

授权发明专利:

仝晓菲, 温广明, 双少敏, 梁文婷, 蚩川. 一种划粉及其制作方法, 发明专利, 证书号: 395497, 批准日期: 2008. 05. 07.

温广明, 李忠平. 一种裸眼快速检测汞离子的试纸和方法. 专利号: ZL 201410217461.4 批准日期: 2016. 06. 01.

温广明, 刘斌, 双少敏. 一种裸眼检测 Cd^{2+} 离子的试纸和方法. 专利号: ZL 201410217634.2 批准日期: 2016. 05. 11.

获奖:

新型瓦斯气体传感器的研究, 山西省科学技术奖励自然科学类三等奖, 2010年12月.

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