



师资队伍

专任教师

实验教师

兼职教师

管理人员

思政辅导员

当前位置： 首页>>师资队伍>>专任教师>>卫生检验教研室>>正文

崔宏



崔宏

理学博士，副教授，硕士生导师

办公电话：0351-4135167

E-mail: cuihong19872007@126.com

教育经历

2010.9-2015.7中国科学院大学，分析化学，博士

2006.9-2010.7山西师范大学，化学，学士

工作经历

2015.07-2021.12山西医科大学公共卫生学院卫生检验教研室，讲师

2021.12-至今山西医科大学公共卫生学院卫生检验教研室，副教授

教学情况

主要承担本科生《卫生分析化学》、《仪器分析》、《化妆品检验》、《专业英语》课程以及研究生《预防医学英文文献导读》课程，主持校级教改课题1项。

研究领域

纳米酶生物传感；抗菌材料；电化学传感。

代表性科研项目

1. 基于石墨烯-MOFs复合材料的电化学传感器在多环芳烃生物监测中的应用研究。国家自然科学基金项目，81803286，2019.01-2021.12。

2. 单原子纳米酶的设计及其在抗菌中的应用。山西省自然科学基金面上项目，202203021211233，2023.01-2025.12。

3. 基于纳米界面微电极的电化学传感平台的构建及单细胞水平过氧化氢的检测应用。山西省高等学校科技创新项目，2020L0190，2020.7-2022.06。

代表性学术论文

1.**Hong Cui**^{#,*}, Shuaishuai Cui[#], Siyuan Zhang, Qiuju Tian, Yunfeng Liu, Ping Zhang, Mingxiu Wang, Jialing Zhang and Xiangjun Li^{*}, Cu-MOFs/Hemin: A bionic enzyme with excellent dispersity for the determination of hydrogen peroxide released from living cells. Analyst, 2021, 146, 5951-5961.

2.**Hong Cui**^{†,*}, Shuaishuai Cui[†], Qiuju Tian, Siyuan Zhang, Mingxiu Wang, Ping Zhang, Yunfeng Liu, Jialing Zhang, Xiangjun Li^{*}, Electrochemical sensor for detection of 1-hydroxypyrene based on a PAMAM regulated chromium-centered metal-organic framework and graphene oxide composite. ACS Omega, 2021, 6, 31184-31195.

3.张慧慧,乔增杰,王东新^{*},**崔宏**^{*}, BSA-AgNCs荧光淬灭法检测H₂O₂,分析试验室, 2021.

4.**崔宏**,党进进,张加玲^{*},氢化物发生-原子荧光光谱法测定大蒜中的硒含量,中国调味品, 2020, 45(2): 142-145+153.

5.Jinjin Dang,**Hong Cui**^{*}, Xiangjun Li, Jialing Zhang^{*}, Determination of norfloxacin using a tetraoxocalix[2]arene[2]-triazine covalently functionalized multi-walled carbon nanotubes modified electrode, Analytical Sciences, 2019, 35, 979-985.

6.Chen Li[#],**Hong Cui**[#], Yalei Dong, Dongqiang Guo, Yujian He, Xiangjun Li^{*}, Zhuobin Yuan, Hong Zou, Simultaneous detection of azodicarbonamide and the metabolic product semicarbazide in flour by capillary electrophoresis, Food Analytical Methods, 2016, 9(5): 1106-1111.

7.**Hong Cui**, Li Chen, Yalei Dong, Shangwei Zhong, Dongqiang Guo, Hong Zhao, Yujian He, Hong Zou, Xiangjun Li^{*}, Zhuobin Yuan, Molecular recognition based on an electrochemical sensor of per(6-deoxy-6-thio)-β-cyclodextrin self-assembled monolayer modified gold electrode, Journal of Electroanalytical Chemistry, 2015, 742: 15-22.

8.**Hong Cui**, Wenhua Sun, Xiangjun Li^{*}, Hong Zou, Zhuobin Yuan, Determination of trace titanium(IV) by differential pulse catalytic adsorptive stripping voltammetry at a bismuth film electrode, Analytical Methods, 2013, 5(7): 1784-1789.

9.**Hong Cui**, Weiying Yang, Xiangjun Li^{*}, Hong Zhao, Zhuobin Yuan, An electrochemical sensor based on a magnetic Fe₃O₄nanoparticles and gold nanoparticles modified electrode for sensitive determination of trace amounts of arsenic(III), Analytical Methods, 2012, 4(12): 4176-4181.