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简 介：刘会俏，女，1988 年 4 月生，中共党员，博士，副教授，硕士生导师，河南省青年骨干教师，河南省教学标兵，信阳师范学院优秀共产党员，信阳师范学院巾帼建功标兵，入选南湖青年学者奖励计划 A 类人才。

个人经历

教育经历：

2008.9-2012.6 学士 安阳师范学院 化学化工学院 化工与制药
2012.9-2017.6 博士 南开大学 化学学院 分析化学

工作经历：

2017.6-2021.12 信阳师范学院化学化工学院 讲师
2021.12-至今 信阳师范学院化学化工学院 副教授

研究领域与兴趣

1. 生化分析与生物传感
2. 碱金属离子二次电池

主讲课程

《仪器分析》、《分析化学》、《化学专业英语》、《分析化学实验》、《仪器分析实验》等

主持科研项目

1. 国家自然科学基金：基于自供电调控 SERS 基底的 miRNAs 多元分析研究，62105277，30 万，2022.1-2024.12，主持，已结项
2. 河南省科技攻关：新型高通量检测试纸条的开发及其在乳腺癌检测中的应用研究，212102310178，10 万，2021.1-2022.12，主持，已结项

代表性研究成果

1. **Huiqiao Liu**, Jiakun Zhang, Fan Zhang, et al. Molecularly imprinted polymer-assisted SERS assay with electrokinetic preconcentration for detection of theophylline in tea beverage. *Microchemical Journal*, 2025, 218, 115696.
2. **Huiqiao Liu**, Jiahui Ma, Ziwei Yue, et al. New Insights on FeNbO₄ Porous Nanofibers as NbO

- Based Anodes with Improved-Capacity for Li-Ion Batteries. *Small*, 2025, 2411792.
3. Kangzhe Cao*, Jinjin Fu, **Huiqiao Liu***, et al. Liposome-mediated EC-SERS signal boost enables ultrasensitive detection of microRNA. *Microchemical Journal*, 2025, 217, 115009.
 4. **Huiqiao Liu**, Jinjin Fu, Jiakun Zhang, et al. A universal electrochemical-modulated surface-enhanced Raman scattering platform for the sensitive detection of charged molecules. *Analytica Chimica Acta*, 2024, 1326, 343134.
 5. **Huiqiao Liu**, Xia Gao, Chen Xu, et al. SERS Tags for Biomedical Detection and Bioimaging. *Theranostics*, 2022, 12, 1870-1903.
 6. **Huiqiao Liu**, Yanan He, Kangzhe Cao, et al. Activating commercial Al pellets by replacing the passivation layer for high-performance half/full Li-ion batteries. *Chemical Engineering Journal*, 2022, 433, 133572.
 7. **Huiqiao Liu**, Yanan He, Jiping Mu, et al. Structure engineering of silicon nanoparticles with dual signals for hydrogen peroxide detection. *Spectrochimica Acta Part A: Molecular and Biomolecular Spectroscopy*, 2022, 266, 120421.
 8. **Huiqiao Liu**, Yanan He, Hang Zhang, et al. Heterostructure engineering of ultrathin SnS₂/Ti₃C₂T_x nanosheets for high-performance potassium-ion batteries. *Journal of Colloid and Interface Science*, 2022, 606, 167-176.
 9. **Huiqiao Liu**, Yanan He, Zihui Gao, et al. Self-induced matrix with Li-ion storage activity in ultrathin CuMnO₂ nanosheets electrode. *Journal of Colloid and Interface Science*, 2022, 606, 1101-1110.
 10. **Huiqiao Liu**, Yanan He, Kangzhe Cao, et al. Flexible Surface-Enhanced Raman Scattering Substrates: A Review on Constructions, Applications, and Challenges. *Advanced Materials Interfaces*, 2021, 2100982.
 11. **Huiqiao Liu**, Yanan He, Hang Zhang, et al. Bi-continuous ion/electron transfer avenues enhancing the rate capability of SnS₂ anode for potassium-ion batteries. *Journal of Power Sources*, 2021, 506, 230160.
 12. **Huiqiao Liu**, Yanan He, Hang Zhang, et al. Lowering the voltage-hysteresis of CuS anode for Li-ion batteries via constructing heterostructure. *Chemical Engineering Journal*, 2021, 425, 130548.
 13. **Huiqiao Liu**, Yanan He, Kangzhe Cao*, et al. Stimulating the Reversibility of Sb₂S₃ Anode for High-Performance Potassium-Ion Batteries, *Small*, 2021, 17:2008133.
 14. **Huiqiao Liu**, Kangzhe Cao*, Wangyang Li, et al. Constructing Hierarchical MnO₂/Co₃O₄ Heterostructure Hollow Spheres for High-Performance Li-Ion Batteries, *Journal of Power Sources*,

2019, 437, 226904.

奖励及荣誉

入选信阳师范大学南湖青年学者奖励计划 A 类人才。近年来以第一作者和通讯作者在 *Advanced Functional Materials*, *Analytical Chemistry* 等国际知名期刊上发表学术论文 40 余篇，主持完成国家自然科学基金、河南省科技攻关等科研项目。指导学生获批多项国家级大学生创新创业训练计划项目。担任 *IJMMM* 期刊的青年编委。主持《仪器分析》河南省课程思政样板课，在河南省教育系统教学技能竞赛中获一等奖，河南省教师课堂教学创新大赛中获二等奖。荣获河南省教学标兵，河南省优秀硕士学位论文指导教师，信阳师范大学优秀教师等称号。