

# 个人简介

## 个人信息

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民族：汉                            所在学系：医用化学系  
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## 从事专业及研究方向

- 化学，纳米或药物与生物大分子的相互作用

## 教育背景及工作经历（按时间倒叙排列）

- 2015.05-至今 新乡医学院 基础医学院 副教授
- 2009.09-2014.06 河南师范大学 物理化学 博士
- 2008.07-2015.04 新乡医学院 基础医学院 讲师
- 2005.09-2008.06 新乡医学院 基础医学院 助教
- 2002.09-2005.06 河南师范大学 物理化学 硕士
- 1998.09-2002.06 河南师范大学 化学教育 本科

## 参加项目（按时间倒叙排列）

- 高等学校青年骨干教师，2019GGJS-152，新型纳米抗氧化剂制备及生物相容性研究，2020-01至2022-12，3万，在研，主持
- 国家自然科学基金，青年项目，21803049，黄酮醇-金纳米抗氧化剂生物界面性质和生物相容性的研究，2019-01至2021-12，26万，在研，主持
- 河南省高等学校重点科研项目，19A150008，基于纳米生物界面性质探究黄酮醇-金纳米抗氧化剂的生物相容性，2019-01至2020-12，5万，结题，主持
- 河南省高等学校重点科研项目，15A150004，金纳米功能化抗氧化剂的制备及与蛋白质的相互作用研究，2015-01至2016-12，5万，结题，主持

## 代表性成果（按时间倒叙排列）

- Mechanism evaluation of the interactions between eight flavonoids and  $\gamma$ -globulin based on multi-spectroscopy, **Xiangrong Li**, Xuezhen Wang, Hongyi Liu, Yanru Peng, Yunhui Yan, Tianjun Ni\*, Journal of Molecular Structure, 2021, 1225, 129291. (2.463)
- Comparative studies on the interaction of nine flavonoids with trypsin, **Xiangrong Li\***, Yanru Peng, Hongyi Liu, Yongtao Xu, Xuezhen Wang, Congxiao Zhang,

Xiaoyi Ma, *Spectrochimica Acta Part A: Molecular and Biomolecular Spectroscopy*, 2020, 238, 118440. (3.232)

- Binding behaviors and kinetics studies on the interaction of silver nanoparticles with trypsin, **Xiangrong Li\***, Yunhui Yan, Xuedan Cheng, Wei Guo, Yanru Peng, *International Journal of Biological Macromolecules*, 2018, 114, 836–843. (4.784)
- Fluorescence spectroscopic analysis of the interaction of papain and bromelain with L-ascorbic acid,  $\alpha$ -tocopherol,  $\beta$ -carotene and astaxanthin, **Xiangrong Li\***, Zhenhua Yang, Yulin Bai, *International Journal of Biological Macromolecules*, 2018, 107, 144–156. (4.784)
- Exploring the interaction of silver nanoparticles with pepsin and its adsorption isotherms and kinetics, **Xiangrong Li\***, Kaiwei Wang, Yanru Peng, *Chemico-Biological Interactions*, 2018, 286, 52–59. (3.407)
- The interaction of silver nanoparticles with papain and bromelain, **Xiangrong Li\***, Zhenhua Yang, Yanru Peng, *New Journal of Chemistry*, 2018, 42, 4940–4950. (3.069)
- Probing the binding of procyanidin B3 to trypsin and pepsin: A multi-technique approach, **Xiangrong Li\***, Mingjiang Geng, *International Journal of Biological Macromolecules* 2016, 85, 168–178. (3.671)
- Binding of glutathione and melatonin to human serum albumin: A comparative study, **Xiangrong Li\***, Su Wang, *Colloids and Surfaces B: Biointerfaces*, 2015, 125, 96–103. (3.902)
- Dissection of the binding of L-ascorbic acid to trypsin and pepsin using isothermal titration calorimetry, equilibrium microdialysis and Spectrofluorimetry, **Xiangrong Li\***, Zhenjun Yang, *RSC Advances*, 2015, 5, 35487–35496. (3.289)
- $\beta$ -Carotene and astaxanthin with human and bovine serum albumins, **Xiangrong Li**, Gongke Wang, Dejun Chen, Yan Lu\*, *Food Chemistry*, 2015, 179, 213–221. (4.052)
- Study on the interaction of (+)-catechin with human serum albumin using isothermal titration calorimetry and spectroscopic techniques, **Xiangrong Li\***, Su Wang, *New journal of chemistry*, 2015, 39, 386–395. (3.277)
- Interaction of oridonin with human serum albumin by isothermal

titration calorimetry and spectroscopic techniques, **Xiangrong Li\***, Zhenhua Yang, *Chemico-Biological Interactions*, 2015, 232, 77–84. (2.618)

- Probing the interaction of human serum albumin with DPPH in the absence and presence of the eight antioxidants, **Xiangrong Li**, Dejun Chen, Gongke Wang, Yan Lu\*, *Spectrochimica Acta Part A: Molecular and Biomolecular Spectroscopy*, 2015, 137, 1144–1152. (2.653)
- Interaction of procyanidin B3 with bovine serum albumin, **Xiangrong Li**, Dejun Chen, Gongke Wang, Yan Lu\*, *RSC Advances*, 2014, 4, 7301–7312. (3.840)
- Investigation on the interaction between bovine serum albumin and 2,2-diphenyl-1-picrylhydrazyl, **Xiangrong Li**, Dejun Chen, Gongke Wang, Yan Lu\*, *Journal of Luminescence*, 2014, 156, 255–261. (2.719)
- Binding of ascorbic acid and  $\alpha$ -tocopherol to bovine serum albumin: a comparative study, **Xiangrong Li**, Gongke Wang, Dejun Chen, Yan Lu\*, *Molecular BioSystems*, 2014, 10, 326–337. (3.210)
- Study of interaction between human serum albumin and three antioxidants: Ascorbic acid,  $\alpha$ -tocopherol, and proanthocyanidins, **Xiangrong Li**, Dejun Chen, Gongke Wang, Yan Lu\*, *European Journal of Medicinal Chemistry*, 2013, 70, 22–36. (3.432)
- 优秀科技论文奖, 一等奖, Interaction of oridonin with human serum albumin by isothermal titration calorimetry and spectroscopic techniques, **李向荣**, 杨振华
- 优秀科技论文奖, 二等奖, Probing the binding of (+)-catechin to bovine serum albumin by isothermal titration calorimetry and spectroscopic techniques, **李向荣**, 郝永兵
- 优秀科技论文奖, 二等奖, Probing the binding of procyanidin B3 to human serum albumin by isothermal titration calorimetry, **李向荣**, 闫云辉