

秦鹏飞

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个人基本情况

秦鹏飞，1985年10月出生，女，中共党员，山东烟台人。副教授，博士。主要研究方向：环境检测与健康评价；环境毒理学

学习与工作经历

2004.09-2008.06，山东大学环境科学专业，获理学学士学位；

2008.09-2013.06，山东大学环境科学专业，获工学博士学位；

2013.08-今，临沂大学资源环境学院，副教授。

教学工作

1、主讲课程

环境化学、环境工程专业英语、环境保护概论等。

2、教学论文

发表“多元化环境化学课程教学模式的构建”、“互联网+时代大学生自主学习能力的培养”等教学论文5篇。

3、教学项目

主持临沂大学教学研究与改革项目、“环境化学课堂教学模式改革”等校级教学质量工程项目，指导学生主持3项大学生创新创业训练计划项目。

科研工作

1、论文

Pengfei Qin, Rutao Liu, Oxidative Stress response of Two fluoroquinolones with Catalase and Erythrocytes: A Combined Molecular and Cellular study, *Journal of Hazardous Materials*, 2013, 252-253: 321-329 (SCI一区, IF= 7.65)

Xingren Pan, **Pengfei Qin***, Rutao Liu, Wannu Yu, Xiaofei Dong, "Effects of Carbon Chain Length on the Perfluoroalkyl Acids-Induced Oxidative Stress of Erythrocytes in Vitro", *Journal of Agricultural and Food Chemistry*, 2018, 66: 6414-6420. (SCI一区, IF= 3.571)

Pengfei Qin*, Xingren Pan; Rutao Liu; Jicai Qiu; Xiaoyan Fang, Experimental and computational characterization on the binding of two fluoroquinolones to bovine hemoglobin, *Journal of Molecular Recognition*, 2017, 30: e2647.

Pengfei Qin*, Xingren Pan; Rutao Liu; Changwei Hu; Yuliang Dong, Toxic interaction mechanism of two fluoroquinolones with serum albumin by spectroscopic and computational methods, *Journal of Environmental Science and Health, Part B*, 2017, 51(11): 1-9

Xingren Pan, **Pengfei Qin***, Rutao Liu, Jianfeng Li, Fucui Zhang, Molecular mechanism on two fluoroquinolones inducing oxidative stress: evidences from copper/zinc superoxide dismutase, *RSC Advances*, 2016, 6: 91141-91149.

Pengfei Qin, Baoling Su, Rutao Liu, Probing the Binding of Two Fluoroquinolones to Lysozyme: A Combined Spectroscopic and Docking Study, *Molecular Biosystems*, 2012, 8(4):1222-1229

Pengfei Qin, Rutao Liu, Yue Teng, Perfluorodecanoic acid binding to hemoproteins: new insights from spectroscopic studies. *Journal of Agricultural and Food Chemistry*, 2011, 59(7): 3246-3252 (SCI一区, IF= 2.857)

Pengfei Qin, Rutao Liu, Xingren Pan, Xiaoyan Fang, Yue Mou, Impact of carbon chain length on binding of perfluoroalkyl acids to bovine serum albumin determined by spectroscopic methods, *Journal of Agricultural and Food Chemistry*, 2010, 58 (9): 5561-5567

Rutao Liu, **Pengfei Qin**, Li Wang, Xingchen Zhao, Xiaopeng Hao, Toxic effects of ethanol on bovine serum albumin, *Journal of Biochemical and Molecular Toxicology*, 2010, 24(1):66-71.

Xingren Pan, **Pengfei Qin**, Rutao Liu, Jing Wang, Characterizing the Interaction between tartrazine and two serum albumins by a hybrid spectroscopic approach, *Journal of Agricultural and Food Chemistry*, 2011, 59(12):6650-6656. (SCI一区, IF=2.857)

Xingren Pan, Rutao Liu, **Pengfei Qin**, Li Wang, Xingchen Zhao, Spectroscopic Studies on the Interaction of Acid Yellow With Bovine Serum Albumin, *Journal of Luminescence*, 2010, 130(4): 611-617.

Ying Liu, Rongxiang Cao, **Pengfei Qin**, Rutao Liu, Assessing the potential toxic effect of one persistent organic pollutant: non-covalent interaction of dicofol with the enzyme trypsin, *Spectrochimica Acta Part A*, 2012, 89: 210-215

Jing Wang, Rutao Liu, **Pengfei Qin**, Toxic interaction between acid yellow 23 and trypsin: Spectroscopic methods coupled with molecular docking, *Journal of Biochemical and Molecular Toxicology*, 2012, 26(9):360-367.

Zhenxing Chi, Rutao Liu, Lingzi Zhao, **Pengfei Qin**, Xingren Pan, Feng Sun, Xiaopeng Hao, A new strategy to probe the genotoxicity of silver nanoparticles combined with cetylpyridine bromide, *Spectrochimica Acta Part A*, 2009, 72(3): 577-581 (SCI, IF= 2.653)

Yajing Sun, Rutao Liu, Zhenxing Chi, **Pengfei Qin**, Xiaoyan Fang, Yue Mou, Spectroscopic investigation on the toxic interaction of melamine with herring sperm DNA, *Journal of Biochemical and Molecular Toxicology*, 2010, 24(5): 323-329 (SCI, IF=2.303)

Xingchen Zhao, Rutao Liu, Zhenxing Chi, Yue Teng, **Pengfei Qin**, New Insights into the Behavior of Bovine Serum Albumin Adsorbed onto Carbon Nanotubes: Comprehensive Spectroscopic Studies, *The Journal of Physical Chemistry B*, 2010, 114(16): 5625-5631 (SCI, IF= 3.187)

2、项目

超细碳黑-多环芳烃复合颗粒物转运过程毒性机理的研究, 21507053, 国家自然科学基金青年项目, 2016/01-2018/12, 26.4万元, 主持。

负载典型多环芳烃的超细碳黑的分子毒性机理研究，BS2015HZ012，山东省中青年科学家科研奖励基金项目，2015/07-2017/07，7万元，主持。

挥发性全氟化合物在大气中氧化形成全氟羧酸的机理研究，21806069，国家自然科学基金青年项目，2019/01-2021/12，24万元，第2位。

载有镉的纳米碳黑颗粒对转铁蛋白的毒性作用机理研究，ZR2018PB019，山东省自然科学基金培养项目，2018/03-2020/06，5万元，第2位。

单细胞中铅、镉污染物选择性检测的新方法及其毒性效应评价，2012DX002，山东大学自然科学研究重大导向，2012/07-2015/06，50万元，参加。

3、专利

室内空气污染用深层净化装置，实用新型专利，ZL201820556771.2，2018.12。

室内空气污染用空气净化滤芯，实用新型专利，ZL201820556772.7，2018.12。

获奖

临沂市自然科学优秀学术成果三等奖（第一位），2018年。