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环境毒理学（双语）

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教学研究>科学研究>科研成果>2010年发表的科研论文

1. Zhenxing Chi, Rutao Liu*, Hao Zhang, "Non-covalent interaction of oxytetracycline with the enzyme trypsin", **Biomacromolecules**, 2010, 11(9):2454-2459(SCI, If=5.325)
2. Feng Sun, Wansong Zong, Rutao Liu*, Meijie Wang, Pengjun Zhang, Qifei Xu, "The relative charge ratio between C and N atoms in amide bond acts as a key factor to determine peptide fragment efficiency in different charge states", **Journal of the American Society for Mass Spectrometry**, 2010, 21:1857-1862 (SCI, aShare the first authorship. If=3.83)
3. Zhenxing Chi, Rutao Liu*, Bingjun Yang, Hao Zhang, "Toxic interaction mechanism between oxytetracycline and bovine hemoglobin", **Journal of Hazardous Materials**, 2010, 180: 741-747(SCI, If=3.723)
4. Zhenxing Chi, Rutao Liu*, Yajing Sun, Meijie Wang, Pengfei Zhang, Canzhu Gao*, "Investigation on the toxic interaction of toluidine blue with calf thymus DNA", **Journal of Hazardous Materials**, 2010,175: 274-278 (SCI, If=3.723)
5. Feng Sun, Rutao Liu*, Wansong Zong, Yanmin Tian, Meijie Wang, Pengjun Zhang, "A Unique Approach to the Mobile Proton Model: Influence of Charge Distribution on Peptide Fragmentation", **The Journal of Physical Chemistry B.**, 2010, 114(19): 6350-6353 (SCI, If=3.603)
6. 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=3.603)
7. Wansong Zong, Rutao Liu*,Feng Sun, Pengjun Zhang, Meijie Wang,"Influence of charge distribution on the discrepant MS/MS fragmentation of the native and oxidized FMRF: evidence for the mobile proton model", **Journal of Peptide Science**, 2010, 16:687-92. (SCI, If=1.807)
8. Wansong Zong, Rutao Liu*, Feng Sun, Meijie Wang, Yihong Liu, Xichen Zhu, Yanmin Tian, "Cyclic voltammetry: a new strategy for the evaluation of oxidative damage to bovine insulin", **Protein Science**, 2010,19:263-268 (SCI, If=2.741)
9. Zhenxing Chi, Rutao Liu*, Hao Zhang, "Potential enzyme toxicity of oxytetracycline to catalase", **Science of the Total Environment**, 2010, 2010 408(22): 5399-5404 (SCI, If=3.19)
- 10.Pengfei Qin, Rutao Liu*,Xingren Pan, Xiaoyan Fang, Yue Mou, "Inpact of carbon chain length on binding of perfluoroalkyl acids to bovine serum albumin determined by spectroscopic methods", **Journal of Agricultral and Food Chemistry**, 2010, 58:5561-5567 (SCI, If=2.816)
11. Yue Teng, Rutao Liu*, Shifeng Yan, Xingren Pan, Pengjun Zhang, Meijie Wang, "Spectroscopic Investigation on the Toxicological Interactions of 4-aminoantipyrine with Bovine Hemoglobin", **Journal of Fluorescence**, 2010,20:381-387(SCI, If=2.017)
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13. Wansong Zong, Rutao Liu*, Meijie Wang, Pengjun Zhang, Feng Sun, Yanmin Tian, "The oxidative products of methionine as site and content biomarkers for peptide oxidation", **Journal of Peptide Science**, 2010, 16:148-152(SCI, If=1.807)
14. 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) :323-9. (SCI, If=1.957)
15. Zhenxing Chi, Rutao Liu*, Yue Teng, Xiaoyan Fang, Canzhu Gao*, "Binding of Oxytetracycline to Bovine Serum Albumin: Spectroscopic and Molecular Modeling Investigations", **Journal of Agricultral and Food Chemistry**, 2010, 58 (18): 10262-

