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# 环境毒理学（双语）

适用课程: 环境毒理学(双语)(0213201311),优秀课程(2012),环境毒理学(双语)(21084700)【访问量: 516816】

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教学研究>科学研究>科研成果>2011年发表的科研论文

1. Zhenxing Chi, Rutao Liu\*, "Phenotypic Characterization of the Binding of Tetracycline to Human Serum Albumin", **Biomacromolecules**, 2011, 12:(1) 203-209(SCI, If=5.325)
2. Yue Teng, Hao Zhang, Rutao Liu\*, "Molecular interaction between 4-aminoantipyrine and catalase reveals potentially toxic mechanism of the drug", **Molecular Biosystems**, 2011, 7:3157-3163 (This manuscript has been selected as a *Molecular Biosystems* HOT Article, SCI, If=3.825)
3. Yue Teng, Rutao Liu\*, Chao Li, Hao Zhang, "Effect of 4-aminoantipyrine on oxidative stress induced by glutathione depletion in single human erythrocytes using a microfluidic device together with fluorescence imaging", **Journal of Hazardous Materials**, 2011, 192,1766-1771 (SCI, If=3.723)
4. Zhenxing Chi, Rutao Liu\*, Hongxu Yang, Hengmei Shen, "Binding of tetracycline and chlortetracycline to the Enzyme Trypsin: Spectroscopic and Molecular Modeling Investigation", **PLoS one**, 2011, 6(12): 1-9(SCI, IF=4.411)
5. Yue Teng, Rutao Liu \*, Chao Li, Qing Xia, Pengjun Zhang, "The interaction between 4-aminoantipyrine and bovine serum albumin: multiple spectroscopic and molecular docking investigations", **Journal of Hazardous Materials**, 2011, 190(1-3): 574-581(SCI, If=3.723)
6. Xingchen Zhao, Feng Sheng, Jianli Zheng, Rutao Liu\*, "Composition and Stability of Anthocyanins from Purple Solanum tuberosum and Their Protective Influence on Cr (VI) Targeted to Bovine Serum Albumin", **Journal of Agricultural and Food Chemistry**, 2011, 50(14): 7902-7909 (SCI)
7. Wansong Zong, Rutao Liu\*, Feng Sun, Yue Teng, Xiaoyan Fang, Jun Chai, "A new strategy to identify and eliminate the inner filter effects by outer filter technique", **Journal of Fluorescence**, 2011, 21(3): 1249-1254(SCI)
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9. Xingchen Zhao, Rutao Liu\*, Yue Teng and Xiaofang Liu, "The interaction between Ag<sup>+</sup> and bovine serum albumin: a spectroscopic investigation", **Science of the Total Environment**, 2011, 409: 892-897 (SCI, If=3.19)
10. 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)
11. Dawei Lu, Xingchen Zhao, Yingcan Zhao, Bingcong Zhang, Bing Zhang, Mengyang Geng, Rutao Liu, "Binding of Sudan II and Sudan IV to Bovine Serum Albumin: Comparison Studies", **Food and Chemical Toxicology**, 2011, 49: 3158-3164 (SCI)
12. Wansong Zong, Rutao Liu\*, Changying Guo, Feng Sun, "Novel biomarkers of protein oxidation sites and degrees using horse cytochrome c as the target by mass spectrometry", **Spectrochim. Acta, Part A**, 2011, 78(5): 1581-1586 (SCI)
13. Yihong Liu, Rutao Liu\*, Yue Mou, Xiaoyan Fang, Meijie Wang, "Spectroscopic identification of interactions of formaldehyde with bovine serum albumin", **Journal of Biochemical and Molecular Toxicology**, 2011,25(2): 95-100 (SCI) .
14. Xingchen Zhao, Feng Sheng, Jianli Zheng, Rutao Liu\*, "Composition and Stability of Anthocyanins from Purple Solanum tuberosum and Their Protective Influence on Cr (VI) Targeted to Bovine Serum Albumin", **Journal of Agricultural and Food Chemistry**, 2011, 50(14): 7902-7909 (SCI)
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