

## SELECTED PUBLICATIONS:

1. **Lingyun Liu**, Gang Cheng, Timothy Chao, Buddy D. Ratner, E. Helene Sage and Shaoyi Jiang, *Reduced foreign body reaction to implanted biomaterials by surface treatment with oriented osteopontin*, **Journal of Biomaterials Science - Polymer Edition**, 2008; 19(6): 821-835.
2. **Lingyun Liu**, Buddy D. Ratner, E. Helene Sage and Shaoyi Jiang, *Endothelial cell migration on surface-density gradients of fibronectin, VEGF, or both proteins*, **Langmuir**, 2007; 23: 11168-11173.
3. **Lingyun Liu**, Chunlin Qin, William T. Butler, Buddy D. Ratner and Shaoyi Jiang, *Controlling the orientation of bone osteopontin to modulate osteoblast adhesion via its specific binding with collagen I*, **Journal of Biomedical Materials Research A**, 2007; 80A: 102-110.
4. **Lingyun Liu**, Joy G. Ghosh, John I. Clark and Shaoyi Jiang, *Studies of  $\alpha$ B crystallin subunit dynamics by surface plasmon resonance*, **Analytical Biochemistry**, 2006; 350(2): 186-195.
5. Shengfu Chen, **Lingyun Liu**, Shaoyi Jiang, *Strong resistance of oligo(phosphorylcholine) self-assembled monolayers to protein adsorption*, **Langmuir**, 2006; 22(6): 2418-2421.
6. **Lingyun Liu**, Shengfu Chen, Cecilia M. Giachelli, Buddy D. Ratner and Shaoyi Jiang, *Controlling osteopontin orientation on surfaces to modulate endothelial cell adhesion*, **Journal of Biomedical Materials Research A**, 2005; 74A(1): 23-31.
7. Victoria Lockhart, **Lingyun Liu** and Shaoyi Jiang, *Interactions between secreted protein, acidic and rich in cysteine (SPARC), and type I collagen identified by surface plasmon resonance biosensor*, **Journal of Undergraduate Research in Bioengineering**, 2004; 4(2): 69-74.
8. Shengfu Chen, **Lingyun Liu**, Jian Zhou and Shaoyi Jiang, *Controlling antibody orientation on charged self-assembled monolayers*, **Langmuir**, 2003; 19(7): 2859-2864.
9. Xiaoying Lv, Yan Huang, Zuming Tang, Qingyue Hong, Zuhong Lu, Yinping Zhong, Weihua Ye, **Lingyun Liu**, *Use of Surface Plasmon Resonance (SPR) for real time in situ study of adsorption of proteins onto surface of polyurethane*, **Chinese Journal of Biomedical Engineering**, 2003; 22(2): 165-170.
10. Jianhua Gu, Bingjie Liang, **Lingyun Liu**, Yianqing Tian, Yiwen Chen, Bin Lu and Zuhong Lu, *Photoinduced properties of liquid crystalline azobenzene polymer in Langmuir-Blodgett films investigated by surface plasmon resonance*, **Thin Solid Films**, 1998; 327-329: 427-430.
11. Jianhua Gu, Junfu Liu, Hua Lv, Yiwen Chen, **Lingyun Liu**, Peng Wang, Jianming Ma and Zuhong Lu, *Enhancement of the sensitivity of surface plasmon resonance biosensor with colloidal gold labeling technique*, **Supramolecular Science**, 1998; 5: 695-698.