



唯实求真
协力创新

最新动态

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主要学习与工作经历

1. 1985年毕业于河南师范大学化学系
2. 1986年受中国政府派遣在日本东北大学攻读硕士,博士学位,1992年获博士学位
3. 1992年至2000年先后在日本理化学研究所和日本国立健康营养研究所工作
4. 2000年9月入选中国科学院百人计划回国,任中国科学院上海有机化学研究所研究员,博士生导师,上海交通大学兼职教授

回国以来主持的科研项目有:

科学院百人计划; 国家自然科学基金; 上海市科委光科技专项; 863国家高技术研究发展计划;

中国科学院创新重要方向性项目; 973国家重点基础研究发展计划一级子课题。

共发表论著3本(章节),各种论文85篇,其中SCI 论文48篇。获授权中国发明专利6项。

主要研究领域为:

生物医用材料(含荧光标记分子), 药物缓释和控释材料, 生物膜模拟, 生物体自由基反应及抗氧化

招生专业:

材料化学之生物医用材料

Selected publications from 2004(*IF>5.0):

*1. Dong, J., Sun, Q.S. and Wang, J.Y. Basic Study of Corn Protein, Zein, as a Biomaterial in Tissue Engineering, Surface Morphology and Biocompatibility. (2004) *Biomaterials*, **25**, 4691-4697.

2. Zein: A Potential Biomaterial for Tissue Engineering. (2004) *MaterialsToday*, July/August, 24.
- *3. Liu, X.M., Sun, Q.S., Wang, H.J., Zhang, L. and Wang, J.Y. Microspheres of Corn Protein, Zein, For an Ivermectin Drug Delivery System. (2005) *Biomaterials*, **26**, 109-115.
4. Wang, H.J., Lin, Z.X., Liu, X.M., Sheng, S.Y. and Wang, J.Y. Heparin-loaded Zein Microsphere Film and Hemocompatibility. (2005) *J. Control Release*, **105**, 120-131.
- *5. Liu, X.M., Yang, B., Wang, Y.L. and Wang, J.Y. A New Nanoscale Pulsatile Drug Delivery System. (2005) *Chem. Mater.* **17**, 2792-2795.
6. Sun, Q.S., Dong, J., Lin, Z.X., Yang, B., and Wang, J.Y. Comparison of Cytocompatibility of Zein Film with Other Biomaterials and its Degradability in Vitro. (2005) *Biopolymer*, **78**, 268-274.
7. Liu, W., Wang, J.Y. Modifications of Protein by Polyunsaturated Fatty Acid Ester Peroxidation Products. (2005) *Biochim. Biophys. Acta*, 1752, 93-98.
8. Liu, X.M., Wang, Y.L. and Wang, J.Y. Photoisomerisable Cholesterol Derivatives as Photo-trigger of Liposomes: Effect of Lipid Polarity, Temperature, Incorporation Ratio, and Cholesterol. (2005) *Biochim. Biophys. Acta*, **1720**, 28-34.
9. Di, L., Liu, W., Liu, Y., Wang, J.Y. Effect of Asymmetric Distribution of Phospholipids in Ghost Membrane From Rat Blood on Peroxidation Induced by Ferrous Ion. (2006) *FEBS Lett.*, 580, 685-690.
10. Wang, H. J., Liu, X.M., Ji, L.W., Ma, D.L., Wang, J.Y. Film From Peroxidation of an Amino Phospholipid and Its Biocompatibility. (2006) *J. Biomed. Mater. Res. B*, 79, 411-419.
- *11. Gong, S. J., Wang, H. J., Sun, Q. S., Xue, S. T., Wang, J.Y. Mechanical Properties and *in vitro* Biocompatibility of Porous Zein Scaffolds. (2006) *Biomaterials*, 27, 3793-3799.
12. Shtykova, E.V., Volkov, V.V., Wang, H.J., Fujisawa, T., Wang, J.Y. Autoxidized Phospholipids in Hexane: Nano-self-assemblies Studied by Synchrotron Small-Angle X-ray Scattering. (2006) *Langmuir*, 22, 7994-8000.
13. Liu, W., Wang, H.J., Wang, L.P., Liu, S.L., Wang, J.Y. Formation of High-molecular-weight Protein Adducts by Methyl Docosahexaenoate Peroxidation Products. (2007) *Biochim. Biophys. Acta*, **1774**, 258-266.
- *14. Wang, H. J., Gong, S. J., Lin, Z. X., Fu, J. X., Xue, S. T., Huang, J. C., Wang, J.Y. In Vivo Biocompatibility and Mechanical Properties of Porous Zein Scaffolds. (2007) *Biomaterials*, 28, 3952-3964.
15. Wang, J.Y., Wang, L.P., Ren, Q.S. Atomic Force Microscope Observation on Biomembrance Before and After Peroxidation. (2007) *Biophys. Chem.* 131, 105-110.
16. Wang, H. J., Ji, L.W., Li, D.F., Wang, J.Y. Characterization of Nanostructure and Cell Compatibility of Polyaniline Films with Different Dopant Acids. (2008) *J. Phys. Chem. B*, in press.