



2005年论文

1. Deng Jianping and Yang Wantai , Surface Photografting Polymerization of Vinyl Acetate, Maleic Anhydride, and Their Charge-Transfer Complex. V. Charge-Transfer Complex (1), J Appl Polym Sci 95: 903– 909, (2005)
2. Deng Jianping and Yang Wantai , Surface Photografting Polymerization of Vinyl Acetate, Maleic Anhydride, and Their Charge-Transfer Complex. V. Charge-Transfer Complex (2), J Appl Polym Sci 95: 910– 915, (2005)
3. Yongsheng Yang and Wantai Yang, A study on the synthesis, characterization and properties of polyaniline using acrylic acid as a primary dopant I: polymerization and polymer, Polymers for Advanced Technologies, 2005, 16(1): 24-31, (2005)
4. Lian-ying Liu, Zhi-xing Zhang and Wan-tai Yang, Key Laboratory of Science and Technology of Controllable Chemical Reaction, Ministry of Education, School of Material Science and Technology, Photoinitiated Inverse Emulsion Polymerization of Sodium Acrylate, Chinese Journal of Polymer Science Chinese Journal of Polymer Science, 23(2): 219-225 (2005)
5. Yongxin Wang, Wenbin Zhong, Nan Jiang, Wantai Yang, Key Laboratory of Science and Technology of Controllable Chemical Reaction, Ministry of Education, School of Material Science and Technology, Directly Fabricating Monolayer Nanoparticles on Polymer Surface by UV-Induced MMA/DVB Microemulsion Graft Polymerization, Macro. Rapid Commu. 26, 87-92 (2005)
6. Peng Yang, Xi angfei Meng, Zhi yuanZhang, Benxin Jing, Jing Yuan, Wantai Yang*, Thickness Measurement of Nanoscale Polymer Layer on Polymer Substrates by Attenuated Total Reflection Infrared Spectroscopy, Analytical Chemistry 77 (4) 1068-1074 (2005). (2005年2月15日刊出)
7. Yang, P., Zhang, X. X., Yang, B., Zhao, H. C., Chen, J. C., Yang, W. T. Facile preparation of a patterned, aminated polymer surface by UV-light- induced surface aminolysis , Advanced Functional Materials, 15(9): 1415-1425 (2005)
8. 汪威, 赵艳, 刘莲英, 杨万泰, 聚丙烯酸接枝聚氧乙烯共聚物的合成、表征及分散性能, 高分子材料科学与工程 Vol 21 (3) , 89~92 (2005年5月)
9. Zhong, W. B., Deng, J. Y., Yang, Y. S., Yang, W. T. Synthesis of Large-Area Three-Dimensional Polyaniline Nanowire Networks via Constructing 'Soft Template' by Organic Diacid and Cationic Emulsifier, Macromol. Rapid Commun. 26, 395– 400 (2005)
10. Wenbin Zhong, Yongsheng Yang and Wantai Yang, Oxidative graft polymerization of aniline on the surface of poly (propylene)-graft-polyacrylic acid films, Thin Solid Films 479(1-2), 24-30 (2005)
11. 汪威, 刘莲英, 黄振华, 杨万泰, 紫外光引发丙烯酰胺分散聚合研究, 高分子学报, Vol 23 (3) , 320 ~ 326 (2005年6月)
12. Deng Jianping, Yang Wantai. Grafting copolymerization of styrene and maleic anhydride binary monomer systems induced by UV irradiation , European Polymer Journal, Vol. 41: 2685-2692 (2005)
13. Deng Jianping, Yang Wantai , Surface photografting polymerization of vinyl acetate (VAC), maleic anhydride (MAH) and their charge transfer complex(CTC). IX. CTC (5), Journal of Applied Polymer Science, Vol. 97: 2230-2237. (2005)
14. 刘莲英, 孙玉凤, 何辰凤, 杨万泰, 光引发玉米淀粉-丙烯酸反相乳液接枝共聚合制备高吸水性树脂, 石油化工, 34 (8): 739-743 (2005)
15. 程岳, 刘莲英, 何辰凤, 杨万泰, 两步法LDPE / HSS表面光接枝的研究, 高分子材料科学与工程, 21(4): 98-101 (2005)
16. Wang, Y. X., Deng, J. P., Zhong, W. B., Kong, L. B., Yang, W. T. Facile surface superhydrophilic modification: NVP/MBA inverse microemulsion surface-grafting polymerization initiated by UV light, Macromolecular Rapid Communications, 26(22): 1788-1793 (2005)
17. Xing, Chang-Min, Deng, Jian-Ping, Yang, Wan-Tai, Surface functionalization of polypropylene film via

18. Xing, Chang-Min, Deng, Jian-Ping, Yang, Wan-Tai, Synthesis of antibacterial polypropylene film with surface immobilized polyvinylpyrrolidone-iodine complex, *Journal of Applied Polymer Science*, 97(5): 2026-2031 (2005)
19. Xing, Chang-Min, Yang, Wan-Tai, Stabilizer-free dispersion copolymerization of maleic anhydride and vinyl acetate. I. Effects of principal factors on microspheres, *Journal of Polymer Science, Part A: Polymer Chemistry*, 43(17): 3760-3770 (2005)
20. 谭琳, 周寒, 侯金顺, 杨万泰, 聚丙烯接枝乙烯醇结晶性能的研究, *北京化工大学学报: 自然科学版*, 32(2): 38-41, 46 (2005)
21. Zhang, X., Chen, J. C., Yang, P., Yang, W. T. Biomimetic synthesis silver crystallite by peptide AYSSGAPPMPF immobilized on PET film in vitro (2005)
22. Yang, B., Yang, W. T. Novel pore-covering membrane as a full open/close valve, *Journal of Membrane Science*, 258(1-2): 133-139 (2005)
23. 张旭, 陈劲春, 杨鹏, 杨万泰, 固定化无机结合太肽AG4(NPSSLFRYLPSD)仿生制备银微晶体, *高等学校化学学报*, 2005, 26 (1-4)
24. Zhaobin Qiu, Wantai Yang, Takayuki Ikehara, Toshio Niishi, Miscibility and crystallization behavior of biodegradable blends of two aliphatic polyesters. Poly(3-hydroxybutyrate-co-hydroxyvalerate) and poly(ϵ -caprolactone)
Polymer, 2005(46), 11814-11819
25. 邓建元, 范瑾巍, 魏长庆, 杨万泰, 苯乙烯表面限定区域内多孔材料的制备, *北京化工大学学报: 自然科学版* Vol. 32(5), 110-112(2005)