



现在位置: 首页 > 科研成果

## 2011年

日期: 2010-11-05 | | 【大 中 小】

1. Jinlei Wang, Wenbo Wang, Yian Zheng, Aiqin Wang. Effects of modified vermiculite on the synthesis and swelling behaviors of hydroxyethyl cellulose-g-poly(acrylic acid)/vermiculite superabsorbent nanocomposites. *Journal of Polymer Research*, 2011, 18(3): 401-408.>>[Link to](#)
2. Naihua Zhai, Wenbo Wang, Aiqin Wang. Synthesis and swelling characteristics of a pH-responsive guar gum-g-poly(sodium acrylate)/medicinal stone superabsorbent composite. *Polymer Composites*, 2011, 32(2): 210-218.>>[Link to](#)
3. Junping Zhang, Yeling Jin, Aiqin Wang. Rapid removal of Pb(II) from aqueous solution by chitosan-g-poly(acrylic acid)/attapulgit/sodium humate composite hydrogels. *Environmental Technology*, 2011, 32(5): 523-531. >>[Link to](#)
4. Wenbo Wang, Naihua Zhai, Aiqin Wang. Preparation and swelling characteristics of a superabsorbent nanocomposite based on natural guar gum and cation-modified vermiculite. *Journal of Applied Polymer Science*, 2011, 119(6): 3675-3686.>>[Link to](#)
5. Wenbo Wang, Qin Wang, Aiqin Wang. pH-responsive carboxymethylcellulose-g-poly(sodium acrylate)/polyvinylpyrrolidone semi-IPN hydrogels with enhanced responsive and swelling properties. *Macromolecular Research*, 2011, 19(1): 57-65.>>[Link to](#)
6. Xiaoning Shi, Wenbo Wang, Aiqin Wang. Swelling behavior of guar gum-g-poly(sodium acrylate-co-styrene)/attapulgit superabsorbent composites. *Journal of Macromolecular Science, Part B: Physics*, 2011, 50(10): 1847-1863.>>[Link to](#)
7. Yi Liu, Wenbo Wang, Yeling Jin, Aiqin Wang. Adsorption behavior of methylene blue from aqueous solution on the hydrogel composites based on carboxymethyl cellulose and attapulgit. *Separation Science and Technology*, 2011, 46(5): 858-868.>>[Link to](#)
8. Wenbo Wang, Aiqin Wang. Preparation, swelling, and stimuli-responsive characteristics of superabsorbent nanocomposites based on carboxymethyl cellulose and rectorite. *Polymers for Advanced Technologies*, 2011, 22: 1602-1611.>>[Link to](#)
9. Jianghua Liu, Wenbo Wang, Aiqin Wang. Synthesis, characterization and swelling behaviors of chitosan-g-poly(acrylic acid)/poly(vinyl alcohol) semi-IPN superabsorbent hydrogels. *Polymers for Advanced Technologies*, 2011, 22: 627-634.>>[Link to](#)
10. Wenbo Wang, Jixiang Xu, Aiqin Wang. A pH-, salt- and solvent-responsive carboxymethylcellulose-g-poly(sodium acrylate)/medical stone superabsorbent composite with enhanced swelling and responsive properties. *Express Polymer Letters*, 2011, 5(5): 385-400.>>[Link to](#)

11. Xiaoning Shi, Wenbo Wang, Aiqin Wang. Synthesis, characterization and swelling behaviors of guar gum-g-poly(sodium acrylate-co-styrene)/vermiculite superabsorbent composites. *Journal of Composite Materials*, 2011, 45: 2189-2198.>>[Link to](#)

12. Li Wang, Junping Zhang, Aiqin Wang. Fast removal of methylene blue from aqueous solution by adsorption onto chitosan-g-poly(acrylic acid)/attapulgit composite. *Dsalination*, 2011, 266(1-3): 33-39.>>[Link to](#)

13. Yian Zheng, Dajian Huang, Aiqin Wang. Chitosan-g-poly(acrylic acid) hydrogel with crosslinked polymeric networks for Ni<sup>2+</sup> recovery. *Analytica Chimica Acta*, 2011, 687(2): 193-200.>>[Link to](#)

14. Qingfen Geng, Xin Zhao, Xianghu Gao, Gang Liu. Sol-Gel Combustion-Derived CoCuMnOx Spinel as Pigment for Spectrally Selective Paints. *Journal of the American Ceramic Society*, 2011, 94(3): 827-832.>>[Link to](#)

15. Wenbo Wang, Jiang Wang, Yuru Kang, Aiqin Wang. Synthesis, swelling and responsive properties of a new composite hydrogel based on hydroxyethyl cellulose and medicinal stone. *Composites Part B: Engineering*, 2011, 42(4): 809-818.>>[Link to](#)

16. Yi Liu, Yian Zheng, Aiqin Wang. Response surface methodology for optimizing adsorption process parameters for methylene blue removal by hydrogel composite. *Adsorption Science and Technology*, 2011, 28(10): 913-922.>>[Link to](#)

17. Xiaoning Shi, Wenbo Wang, Aiqin Wang. Synthesis and enhanced swelling properties of a guar gum-based superabsorbent composite by the simultaneous introduction of styrene and attapulgit. *Journal of Polymer Research*, 2011, 18(6): 1705-1713.>>[Link to](#)

18. Tianpeng Gao, Wenbo Wang, Aiqin Wang. A pH-sensitive composite hydrogel based on sodium alginate and medical stone: Synthesis, swelling and heavy metal ions adsorption properties. *Macromolecular Research*, 2011, 19(7): 739-748.>>[Link to](#)

19. Yi Liu, Yian Zheng, Aiqin Wang. Effect of biotite of hydrogels on enhanced removal of cationic dye from aqueous solution. *Ionics*, 2011, 17(6): 535-543.>>[Link to](#)

20. Yian Zheng, Yi Liu, Aiqin Wang. Fast removal of ammonium ion using a hydrogel optimized with response surface methodology. *Chemical Engineering Journal*, 2011, 171(3): 1201-1208.>>[Link to](#)

21. Huixia Yang, Shuibo Hua, Wenbo Wang, Aiqin Wang. Composite hydrogel beads based on chitosan and laponite: Preparation, swelling, and drug release behaviour. *Iranian Polymer Journal*, 2011, 20(6): 479-490.>>[Link to](#).

22. Qin Wang, Jie Wu, Wenbo Wang, Aiqin Wang. Preparation, characterization and drug-release behaviors of crosslinked chitosan/attapulgit hybrid microspheres by a facile spray-drying technique. *Journal of Biomaterials and Nanobiotechnology*, 2011, 2(3): 250-257.>>[Link to](#)

23. Huixia Yang, Wenbo Wang, and Aiqin Wang. A pH-sensitive biopolymer-based superabsorbent nanocomposite from sodium alginate and attapulgit: Synthesis, characterization and swelling behaviors. *Journal of Dispersion Science and Technology*, 2011, in press.

24. Xiaoning Shi, Wenbo Wang, Aiqin Wang. Effect of surfactant on porosity and swelling behaviors of guar gum-g-poly (sodium acrylate-co-styrene)/attapulgit superabsorbent hydrogels. *Colloids and Surfaces B: Biointerfaces*, 2011, 88(1): 279-286.>>[Link to](#)

25. Jianke An, Wenbo Wang, Aiqin Wang. Preparation and swelling behavior of a pH-responsive psyllium-g-poly(acrylic acid)/attapulgit superabsorbent nanocomposite. *International Journal of Polymeric Materials*, 2011, in press.

26. Jixiang Xu, Junping Zhang, Qin Wang, Aiqin Wang. Disaggregation of palygorskite crystal bundles via high-pressure homogenization. *Applied Clay Science*, 2011, 54(1): 118-123.>>[Link to](#)

27. Faqin Wang, Ping Li, Junping Zhang, Aiqin Wang, Qin Wei. pH-sensitive magnetic alginate-chitosan beads for albendazole delivery. *Pharmaceutical Development and Technology*, 2011, 16(3): 228-236.

28. Qin Wang, Wenbo Wang, Jie Wu, Aiqin Wang. Effect of attapulgit contents on release behaviors of a pH sensitive carboxymethyl cellulose-g-poly (acrylic acid)/attapulgit/sodium alginate composite hydrogel bead containing diclofenac.

29. Qi Li, Yahong Zhao, Li Wang, Aiqin Wang. Adsorption characteristics of methylene blue onto the N-succinyl-chitosan-g-polyacrylamide/attapulgit composite. *Korean Journal of Chemical Engineering*, 2011, 28(8): 1658-1664.
30. Xiaoning Shi, Wenbo Wang, Yuru Kang, Aiqin Wang. Enhanced swelling properties of a novel sodium alginate-based superabsorbent composites: NaAlg-g-poly(NaA-co-St)/APT. *Journal of Applied Polymer Science*, 2011, in press.
31. Shuibo Hua, Huixia Yang, Junping Zhang, Aiqin Wang. pH-sensitive sodium alginate/calcedin hybrid beads for controlled release of diclofenac sodium. *Drug Development and Industrial Pharmacy*, 2011, in press.
32. Yian Zheng, Yuntao Xie, Aiqin Wang. Rapid and wide pH-independent ammonium-nitrogen removal using a composite hydrogel with three-dimensional networks. *Chemical Engineering Journal*, 2011, in press.
33. Yi Liu, Yuru Kang, Dajian Huang, Aiqin Wang.  $\text{Cu}^{2+}$  removal from aqueous solution by modified chitosan hydrogels. *Journal of Chemical Technology & Biotechnology*, 2011, in press.
34. Wenbo Wang, Jiang Wang, Aiqin Wang. pH-responsive nanocomposites from methylcellulose and attapulgit nanorods: Synthesis, swelling and absorption performance on heavy metal ions. *Journal of Macromolecular Science, Part A: Pure and Applied Chemistry*, 2012, in press.
35. 郑易安, 王文波, 王爱勤. 腐植酸高吸水性树脂研究进展. *高分子通报*, 2011, (8): 38-47.>>[Link to](#)
36. 郑易安, 张俊平, 王爱勤. 腐植酸保水剂的研发现状与发展趋势. *腐植酸*, 2011, (2): 1-5.
37. 施小宁, 王爱勤. 瓜尔胶-g-聚(丙烯酸钠-co-苯乙烯)/海泡石复合高吸水树脂. *化工学报*, 2011, 62(3): 864-869.>>[Link to](#)
38. 安建科, 王文波, 王爱勤. 欧车前胶-g-聚丙烯酸/黑云母高吸水性树脂的合成与溶胀行为. *高分子材料科学与工程*, 2011, 27(8): 31-34.>>[Link to](#)
39. 陈红, 王文波, 王爱勤. 凹凸棒黏土纯度对复合高吸水性树脂吸水性能的影响. *精细化工*, 2011, 28(4): 328-332.>>[Link to](#)
40. 陈红, 王文波, 王爱勤. 不同矿点凹凸棒黏土对复合高吸水性树脂吸水性能的影响. *非金属矿*, 2011, 34(1): 1-3, 25.>>[Link to](#)
41. 陈文娟, 康玉茹, 王爱勤. PVA/APT纳米复合膜的制备及性能研究. *应用化工*, 2011, 40(5): 807-813.>>[Link to](#)
42. 徐继香, 康玉茹, 王爱勤. 油酸钠改性对凹凸棒黏土理化性能的影响. *中国矿业*, 2011, 20(9): 102-105.>>[Link to](#)
43. 徐继香, 汪琴, 王爱勤. 不同酸处理对凹凸棒黏土理化性质及其脱色性能的影响. *中国非金属矿导刊*, 2011, (2): 32-34, 47.>>[Link to](#)
44. 安建科, 刘毅, 王爱勤. PSY-g-PAA/Na-MMT复合高吸水性树脂的制备及其对 $\text{Cu}^{2+}$ 的吸附研究. *功能高分子学报*, 2011, 24(2): 186-190.>>[Link to](#).
45. 翟乃华, 王文波, 郑易安, 王爱勤. 低成本复合高吸水性树脂的工业化研究. *精细化工*, 2011, 28(8): 818-821.>>[Link to](#)
46. 陈文娟, 徐继香, 汪琴, 王爱勤. 冷冻处理凹凸棒黏土对PVA/APT纳米复合膜性能的影响. *硅酸盐通报*, 2011, 30(5): 995-999.>>[Link to](#).
47. 杨会霞, 王文波, 张俊平, 王爱勤. 麦饭石含量对载药复合凝胶小球释药性能的影响. *化学研究与应用*, 2011, 23(10): 1341-1345.>>[Link to](#).
48. 杨会霞, 张俊平, 王文波, 王爱勤. PSY-g-PAA/APT/SA载药复合凝胶小球的制备及释药性能. *材料导报*, 2011, 已接受.
49. 陈红, 张俊平, 王爱勤. 凹凸棒黏土冷冻-碾磨对复合高吸水树脂吸水性能的影响. *非金属矿*, 2011, 34(5): 51-

54.>>Link to

50. 陈文娟, 黄大建, 王爱勤. 酸处理凹凸棒黏土对PVA/APT纳米复合膜理化性能的影响. *精细化工*, 已接受.

51. 王锦涛, 郑易安, 王爱勤. 木棉纤维接枝苯乙烯吸油材料的制备及性能. *功能高分子学报*, 已接受.

52. 蔡佳佳, 徐惠, 王爱勤. 乙酸镁改性条件对凹凸棒黏土黏度的影响. *应用化工*, 已接受.