

基本資料

姓名： 毛慶豐

系所： 南台科技大學 / 化學工程與材料工程系 [數位教學紀錄]

研究領域： 生物高分子，生質材料，高分子流變

辦公(研究)室： I511

研究室時間： 週一至週五

自我介紹

歡迎對生物高分子, 生質材料, 綠色材料有興趣的同學加入我們的行列。

學校經歷

1. 賓州州立大學 / 化工所 (博士)
2. 賓州州立大學 / 化工所 (碩士)

工作經歷

1. 南臺科技大學教務處 / 副教務長 (2017-08 ~ 2018-07, 兼職)
2. 南臺科技大學化工系 / 主任 (1996-08 ~ 1998-08, 兼職)
3. 中技社觸媒研究中心 / 研究員 (1994-09 ~ 1995-08)

個人著作

1. C.F. Mao*, Cheng-Ho Chen (2017, Jun). A kinetic model of the gelation of konjac glucomannan induced by deacetylation. Carbohydrate Polymers, 165, 368-375.
2. C.F. Mao* , Worasaung K * linthong, Yuan-Chang Zeng, Cheng-Ho Chen (2012, Jun). On the interaction between konjac glucomannan and xanthan in mixed gels: An analysis based on the cascade model. Carbohydrate Polymers, 89 ,pp98– 103. (SCI). NSC 97-2221-E-218-013.
3. C.F. Mao*, Yuan-Chang Zeng, Cheng-Ho Chen (2012, May). Enzyme modified guar gum/xanthan gelation: An analysis based on cascade model. Food Hydrocolloids, 27, p50-59. (SCI). NSC 96-2221-E-218-023.
4. C.F. Mao*, Y.C. Zeng, C.H. Chen, "Enzyme-modified guar gum/xanthan gelation:

An analysis based on cascade model", Food Hydrocolloid., 27 (2012) 50. (SCI)

5. C.H. Chen*, C.F. Mao, M.S. Tsai, F.S. Yen, J.M. Lin, C.H. Tseng, H.Y. Chen, "Influence of surface modification on the dispersion of nanoscale α -Al₂O₃ particles in a thermoplastic polyurethane matrix", J. Appl. Polym. Sci., 110 (2008) 237. (SCI)
6. S.P. Rwei*, Chen, S.W., C.F. Mao, H.W. Fang, "Viscoelasticity and wearability of hyaluronate solutions", Biochem. Eng. J., 40 (2008), 211. (SCI)
7. C.F. Mao*, "Self- and Cross-Associations in Two-Component Mixed Polymer Gels", J. Polym. Sci. Part B Polym. Phys., 46 (2008) 80. (SCI)
8. C.H. Chen*, F.Y. Wang, C.F. Mao, C.H. Yang, "Studies of Chitosan. I. Preparation and Characterization of Chitosan/poly(vinyl alcohol) Blend Films", J. Appl. Polym. Sci., 105 (2007) 1086. (SCI)
9. C.H. Chen*, C.F. Mao, S.F. Su, Y.Y. Fahn, "Preparation and Characterization of Conductive Poly(vinyl alcohol)/polyaniline Doped by Dodecyl Benzene Sulfonic Acid (PVA/PANDB) Blend Films", J. Appl. Polym. Sci., 103 (2007) 3415. (SCI)
10. C.F. Mao *, M.C. Hsu, and W.H. Hwang, "Physicochemical Characterization of Grifolan: Thixotropic Properties and Complex Formation with Congo Red", Carbohydr. Polym. 68 (2007) 502. (SCI)
11. C.F. Mao* and S.P. Rwei, "Cascade Analysis of Mixed gels of Xanthan and Locust Bean Gum", Polym, 47 (2006) 7980. (SCI)
12. C.F. Mao*, "Temperature Dependence of Gel Properties of Two-Component Physical Gels", J. Appl. Polym. Sci., 102 (2006) 663. (SCI)
13. C.F. Mao* and J.C. Chen, "Cascade Model for Coupled Two-Component Polymer Gels", J. Appl. Polym. Sci., 99 (2006) 2771. (SCI)
14. C.F. Mao* and J.C. Chen, "Interchain Association of Locust Bean Gum in Sucrose Solutions: an Interpretation Based on Thixotropic Behavior", Food Hydrocolloid., 20 (2006) 730. (SCI)
15. C.F. Mao* and C.H.Chen, "Thermoreversible Gelation of Nitrocellulose Solutions", J. Appl. Polym. Sci., 90 (2003) 4000. (SCI)