

Preparation and Photoluminescence Study of Poly(3-octylthiophene) Particles by Emulsification Processes

윤승민, 이선종, 최성욱, 김중현^{1,*}

연세대학교 화학공학과; ¹연세대학교 화공생명공학부

(jayhkim@yonsei.ac.kr*)

Photoluminescence spectra of poly(3-octylthiophene) particles have been changed by their size distributions, much like silver particles and gold particles. Property of photoluminescence has an effect on controlling the size of particles, which was performed by conventional emulsification processes for the preparation of each range in size. Particles, prepared by emulsification process, was less than 100nm.