

Synthesis and Photophysical properties of bipolar emitters for OLED

정진욱, 박종욱[†]

경희대학교

(jongpark@khu.ac.kr[†])

Three materials (D-Bz-A, D-Np-A, D-At-A) were synthesized based on donor-pi-acceptor concept. In film state, three materials showed UV-Visible absorption maximum wavelength of 395nm, 417nm, and 454nm, and showed PL maximum wavelength of 472nm, 506nm, and 546nm. Interestingly, only D-At-A showed aggregation-induced emission (AIE) phenomenon. D-At-A exhibiting AIE phenomenon is expected as emitting material in OLED device.