Poster Presentation

[OLEDp1]OLED poster

2019年11月28日(木) 10:40 ~ 13:10 Main Hall (1F)

 $10:40 \sim 13:10$

[OLEDp1-12L]Efficient blue phosphorescent organic light-emitting diodewith long triplet lifetime TADF host

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キーワード:organic light-emitting diode, long triplet lifetime, thermal activated delay florescent

A new wide bandgap material, CbzBzCN, was successfully synthesized to be the host of an efficient blue phosphorescent light emitting diode (OLED), which also particularly performs a very long lifetime of triplet excitons reach approximate 2 msec. The OLED showed the maximum current efficiency and external quantum efficiency of 46.3 cd/A and 18.7%, respectively.