

Oral Presentation

[OLED3]OLED Display

Chair: Taishi Tsuji (NIPPON STEEL Chemical &Material)

Co-Chair: Masaya Adachi (Japan Display Inc)

Wed. Nov 27, 2019 5:00 PM - 6:25 PM Room 204 (2F)

5:40 PM - 5:55 PM

[OLED3-4L(Invited)]Efficient Electron Injection into Organic Semiconductors Induced by Hydrogen Bonds

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Keywords:Electron injection, Hydrogen bond, Flexible OLED

It was found that stable bases widely used in organic syntheses as catalysts can lower the electron injection barrier in organic light-emitting diodes. In contrast to conventional n-doping, the reduction of the injection barrier caused by adding bases is induced by the formation of hydrogen bonds between hosts and bases.