
Poster Presentation

[OLEDp1]OLED poster

Thu. Nov 28, 2019 10:40 AM - 1:10 PM Main Hall (1F)

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[OLEDp1-11]Soluble host materials with ortho-phenylene group for blue phosphorescent devices

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Keywords:Blue Phosphorescence, Soluble Host, Ortho-phenyl-mCP, Morphology, Efficiency

Blue phosphorescent organic light-emitting diodes (OLED) were prepared with the host materials designed for solution process. 1,3-bis(carbazole-9-yl)benzene as the core structure with various ortho-phenyl groups between the carbazole moieties were prepared for the purpose of reducing symmetry and planarity of the molecules, hereby improving the solubility and device efficiency.