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TOPIC:

Organic Light Emitting Transistors for Display

ABSTRACT:

Organic Light emitting transistors (LEFETs) are an emerging class of light emitting devices for next generation of display applications. LEFETs can execute simultaneously light-emission and standard logic functions (ON/OFF) of a transistor in a single device architecture [1-4]. This dual functionality of LEFETs has significant potential in a number of applications such as "smart pixel" in active matrix display, sensors, communication devices, and potentially, electrically pumped lasers. In this talk, I will present our recent progress in developing light emitting transistors. State-of-the-art materials, device design and performance will be presented and discussed in this talk.

References:

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