



第38回 未来化学創造センター セミナー

Highly efficient organic devices

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In this talk, I will discuss recent results on organic light-emitting diodes and organic solar cells. By using doped layers, optimized emitter zones, and outcoupling improvements, we have been able to realize white OLED with efficiencies which surpass those of fluorescent tubes. In organic solar cells, doped layers are very useful for realizing efficient tandem solar cells. Together with using new absorber materials, we could realize an efficiency of 5.9% on 2cm², which is the highest certified efficiency reported so far.

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