Supplementary Information for Light extraction enhancement in organic light-emitting diodes based on localized surface plasmon and light scattering double-effect

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In order to clarify the influence of Pt$_3$Co ANPs on the variation of electric efficiency of the OLEDs, we also plotted the power efficiency of the device A, B and C shown in Fig S1. It is clear that the device B also behaves the highest power efficiency, then is the device A, and the device C shows the lowest value, implying that the Pt$_3$Co ANPs can indeed improve the electric efficiency of the OLEDs, which includes high current efficiency and low operating voltage.

Fig S1. Power efficiency-current density characteristics of Alq$_3$ based OLEDs with unannealed Pt$_3$Co ANPs (device A) and annealed (device B) and without Pt$_3$Co ANPs (device C).