

Figure 1. Plot, against area of the LED device active region, of the variation of wall-plug efficiency of InGaN (red spheres) and organic (orange diamonds) based LEDs from some reports in literature.

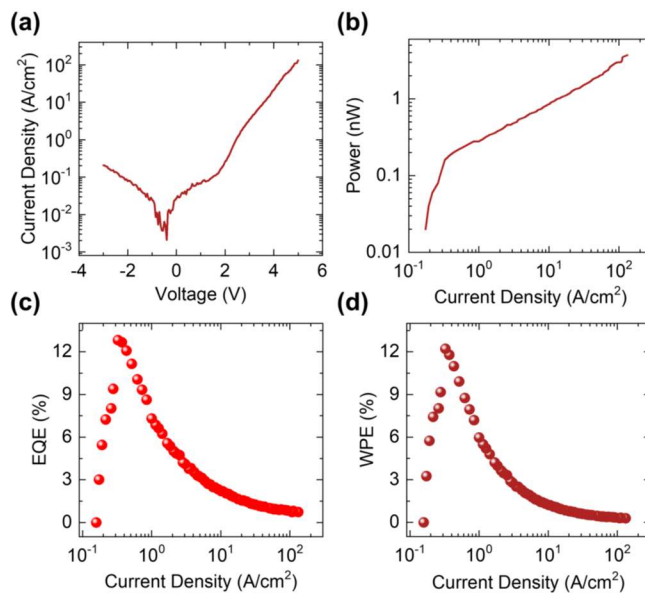


Figure 2. Characterization of device performance. (a) J-V characteristics of the submicron scale red LED. (b) Variation of the device’s measured light output power vs. current density. Variations of (c) external quantum efficiency (EQE) and (d) wall-plug efficiency (WPE) vs. injection current density.