

Electronic Supplemental Materials (ESM)

(Ψ) Selectivity of ethanol sensor based on CdO/ZnO/Yb₂O₃ NSs

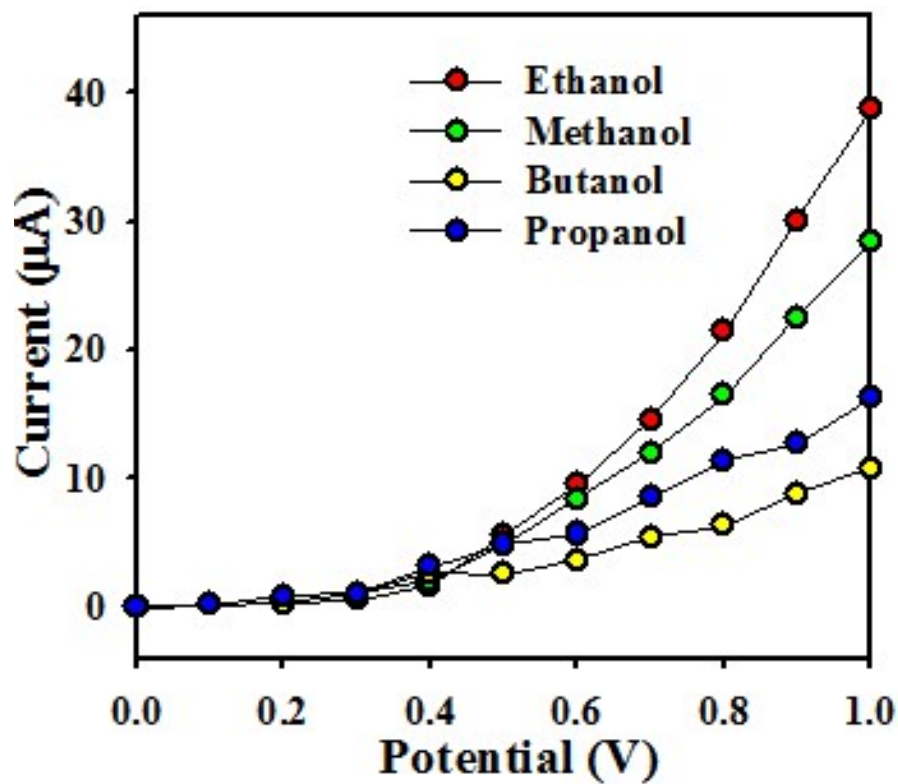


Fig. S1.

(Ω) Optimization of ethanol sensor based on CdO/ZnO/Yb₂O₃ NSs in **intra-day**, such as (a) Repeatability at 0 hour, (b) Repeatability after 1 hour, (c) Repeatability after 2 hours, (d) Repeatability after 3 hours, and (e) Repeatability after 4 hours.

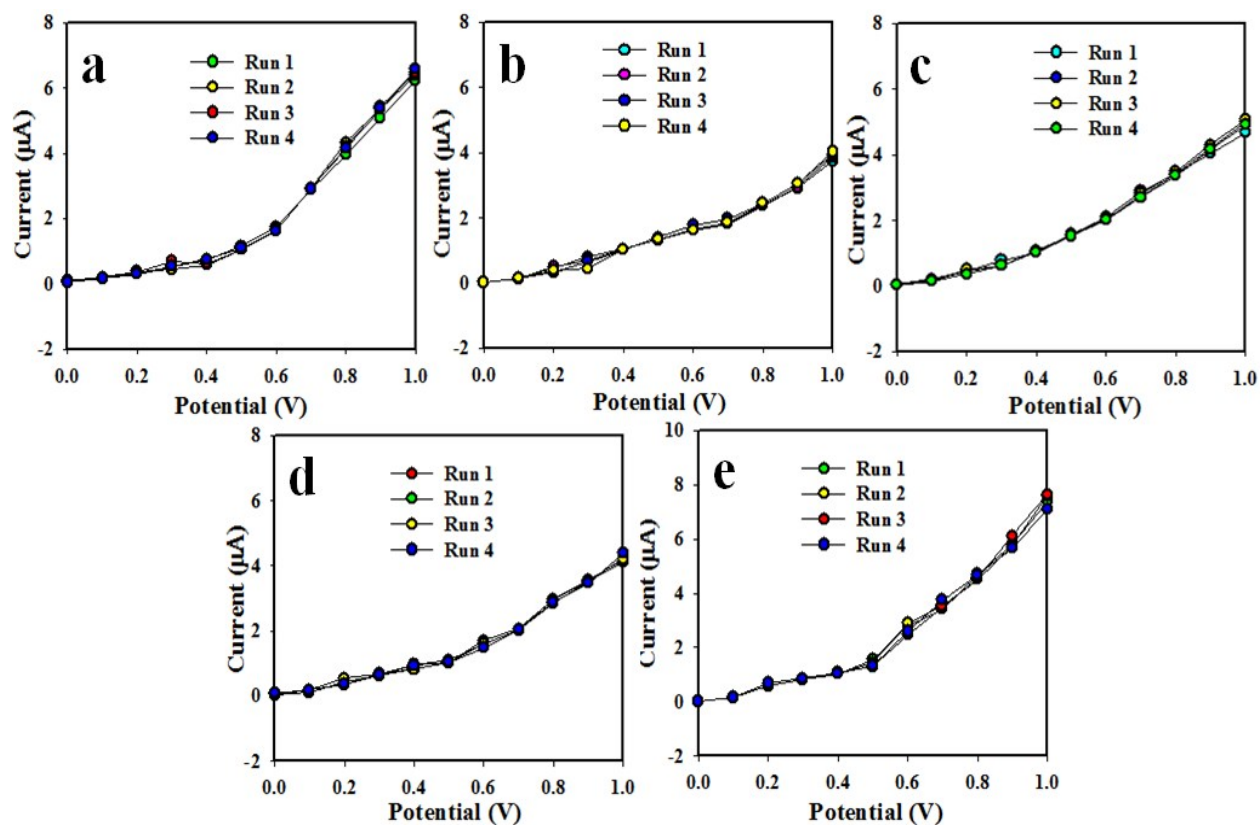


Fig. S2.

(η) Optimization of ethanol sensor based on CdO/ZnO/Yb₂O₃ NSs in **inter-day**, such as, (a) repeatability at beginning day, (b) repeatability after 1 day, (c) repeatability after 2 days, (d) repeatability after 3 days and (e) repeatability after 4 days.

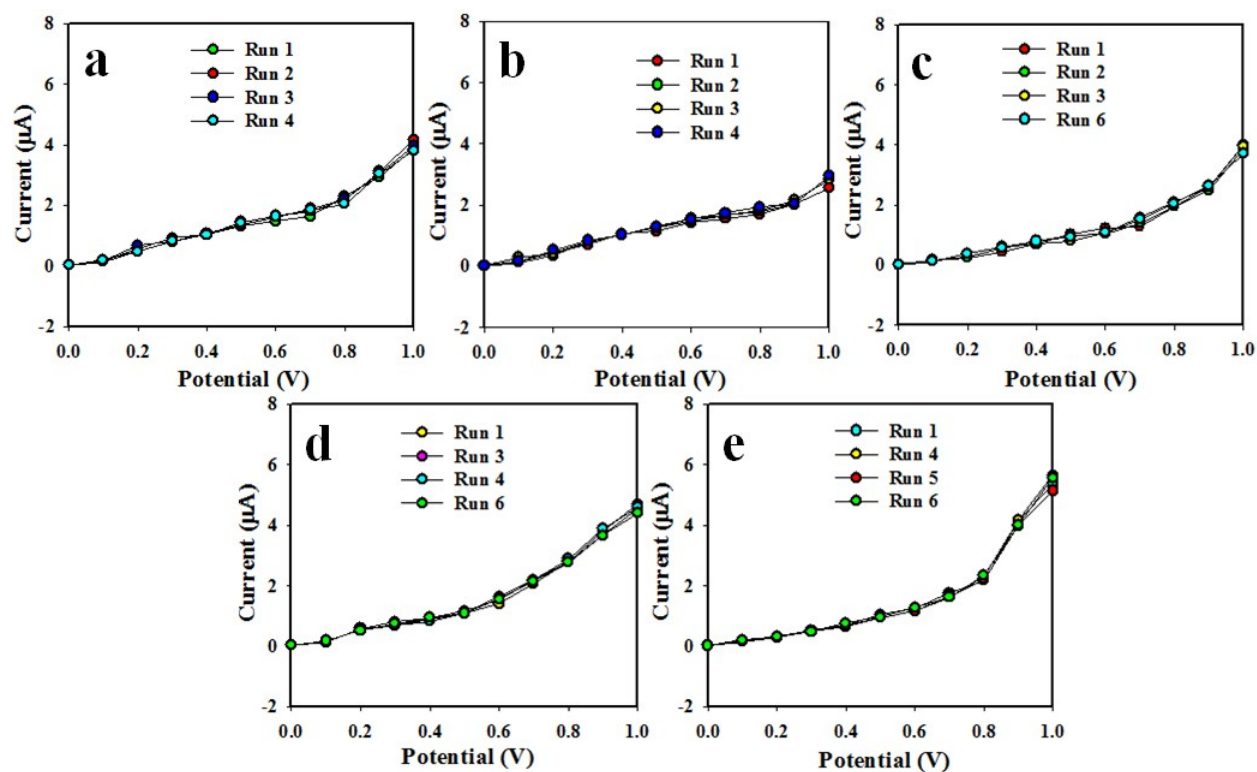


Fig. S3.