

## Supplementary Materials

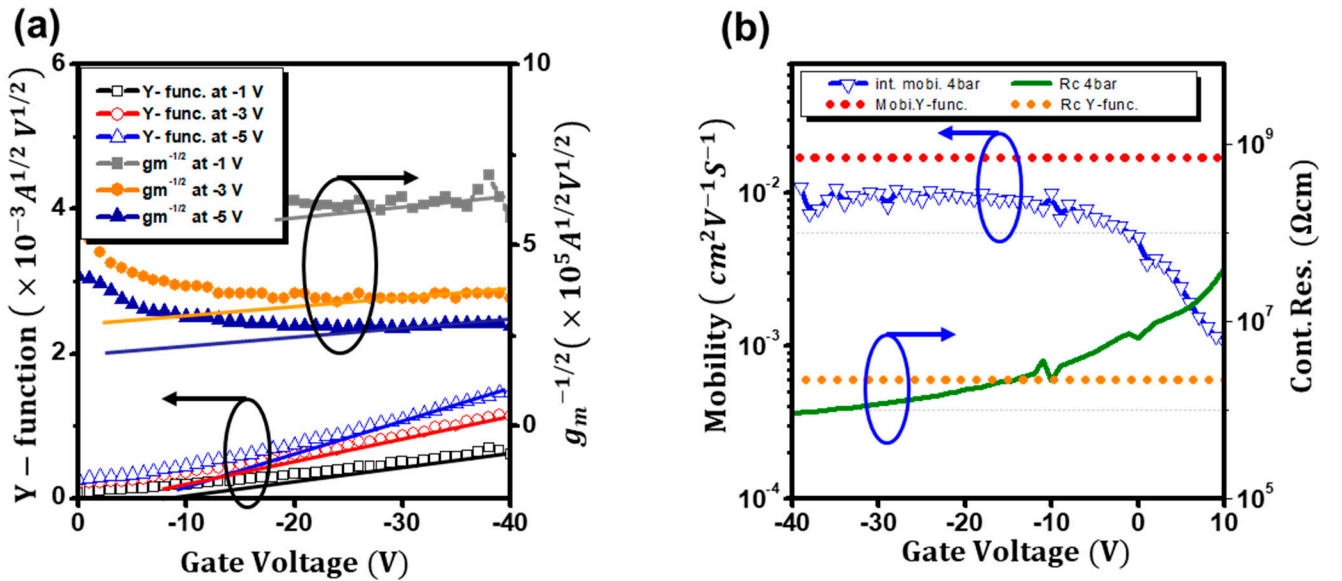
# Analyzing transfer characteristics of disordered polymer field-effect transistors for intrinsic device parameter extraction

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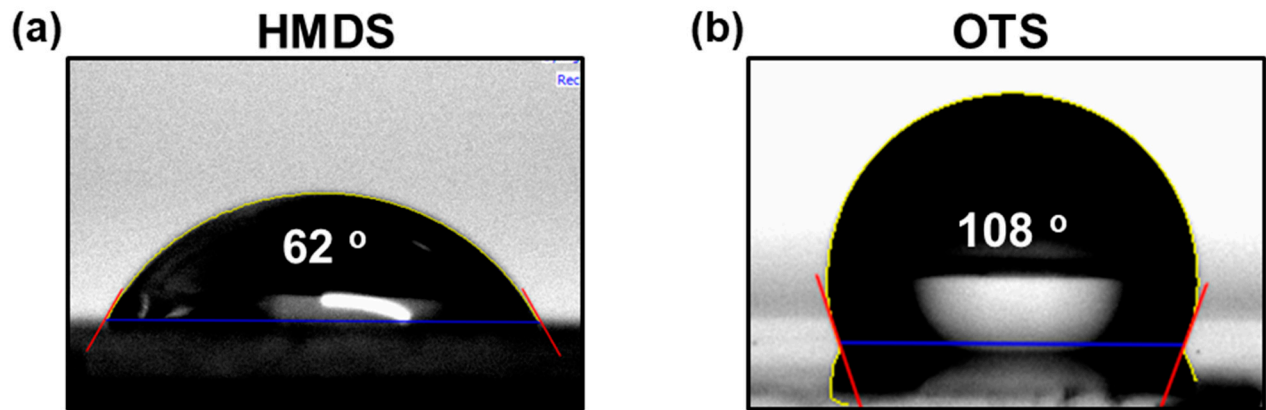
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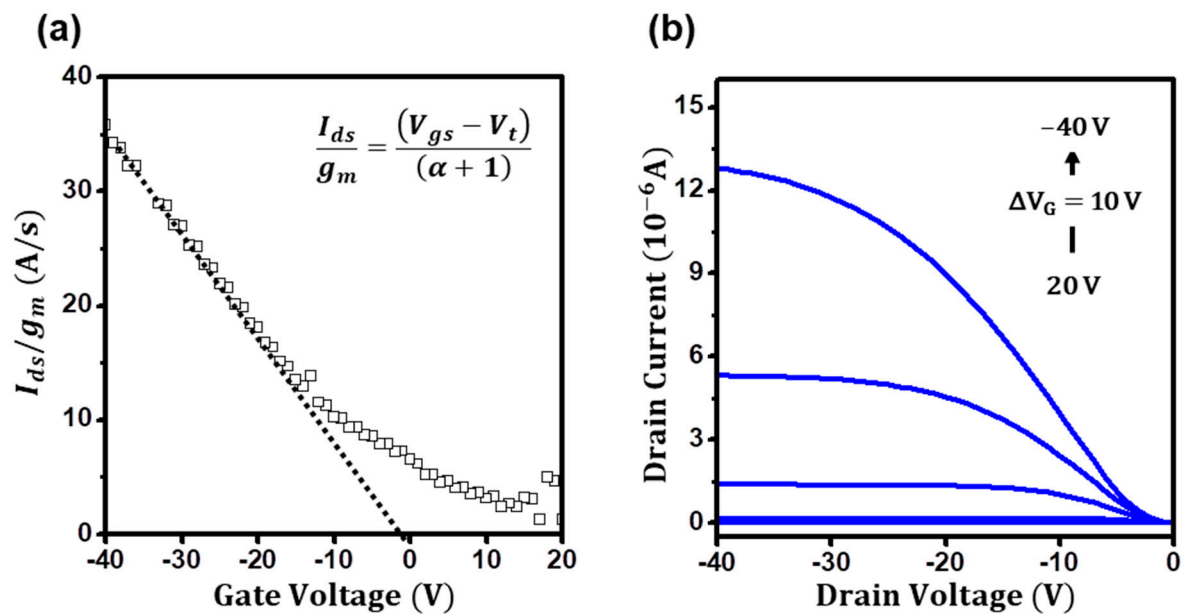
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**Figure S1.** (a) Y and inverse-square root of  $g_m$  plots obtained using the Y-function method. (b) Extracted contact resistance and mobility of the PFETs from the four-probe method, respectively.



**Figure S2.** Contact angle images of droplets of DI water on (a) HMDS and (b) OTS-treated substrates.



**Figure S3.** (a) The extraction plot of  $I_{ds}/g_m$  for the OTS-treated DPP-DTT PFETs. (b) Output characteristics of the OTS-treated DPP-DTT PFETs.