SUPPORTING INFORMATION

Stencil mask defined doctor blade printing of organic single crystal array for high-performance organic field-effect transistors

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Fig. S1. (a), (b) Polarized optical microscope images of solution sheared large-area C₈-BTBT single crystal.

Fig. S2. (a), (b) The binary images converted from Fig. 2b and 2c, respectively. (c), (d) Size distribution of printed 1,764 PVA patterns on 1 cm² C₈-BTBT crystalline thin film corresponding to Fig. S2a and 6×6 PVA array corresponding to Fig. S2b.
Fig. S3. The unit-area capacitance ($C_i$) of the PS and SiO$_2$ hybrid dielectric.

Fig. S4. The statistics of the threshold voltage ($V_{th}$) of 64 randomly selected OFETs on SiO$_2$ substrate.
Fig. S5. The unit-area capacitance (C_i) of the PS and AlO_x hybrid dielectric.

Fig. S6. The transfer I-V curve of eight C_8-BTBT OFETs based on AlO_x dielectric.
Fig. S7. The frequency response of OFETs based on AlO\textsubscript{x} dielectric.