

Supplementary File

Photolithography fabricated spacer arrays offering mechanical strengthening and oil motion control in electrowetting displays

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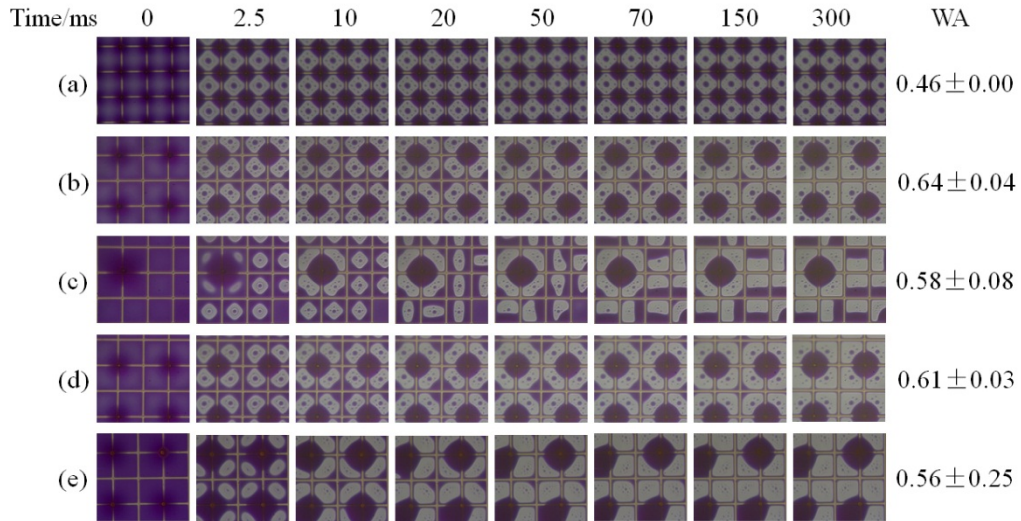


Figure S1. The graphs showing the oil states of pixels with different SAs parameters with time at switching-on process. 1) Effect of spacer densities (number of spacers: number of pixels, (a) 1:1, (b) 1:4 and (c) 1:16) on oil motion and gathering behavior with the spacer height of 60 μm . 2) Effect of spacer heights ((b) 60, (d) 40 and (e) 20 μm) on oil motion and gathering behavior with the spacer density of 1:4. WA is the White area fraction (WA) at 300 ms, while error bar is from ~8 data.