**SUPPLEMENTARY**

**Surface acoustic wave-based generation and transfer of droplets onto wettable substrates**

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Thermal Images:

![Thermal Image](image)

**Fig. S1** (a) Thermal IR image of the substrate during SAW actuation at time \(t = 10\) s. The temperature values in the thermal palette is in °C (b) Average temperature rise of the substrates (dry and wet) when SAW is actuated for 10 s.
Experimental images of the droplets on surfaces having different WCAs:

(a) Experimental images of the droplets on surfaces having different WCA at \( t = 0 \) s: (a-i) 18°, (a-ii) 84°, (a-iii) 110°. (b) Experimental images of the droplets on surfaces having different WCA at \( t = 5 \) s: (b-i) 18°, (b-ii) 84°, (b-iii) 110°. Scale bar = 10 μm.

Droplet size distributions:

Fig. S2 (a) Experimental images of the droplets on surfaces having different WCA at \( t = 0 \) s: (a-i) 18°, (a-ii) 84°, (a-iii) 110°. (b) Experimental images of the droplets on surfaces having different WCA at \( t = 5 \) s: (b-i) 18°, (b-ii) 84°, (b-iii) 110°. Scale bar = 10 μm.

Fig. S3 Droplet size distributions at (a) \( t = 0 \) s and (b) \( t = 5 \) s on surfaces having different WCA (a-i and b-i) 18° (a-ii and b-ii) 84° (a-iii and b-iii) 110°.