

Supporting Information

Efficient water-collection hybrid surface optimized through combination-hole arrangement and diversion groove structure design

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Table. S1 The mass, falling time and the mass/time ratio of the first droplet on four hybrid surfaces

| Sample | 0.5-1.5 | 1.0-1.5 | 0.5-2.0 | 1.0-2.0 |
|-------------------------|----------------|----------------|----------------|----------------|
| Mass (mg) | 38 | 38 | 46 | 43 |
| Falling time (s) | 42 | 62 | 62 | 73 |
| Mass/time (mg/s) | 0.90 | 0.61 | 0.74 | 0.58 |

Table. S2 The mass, falling time and the mass/time ratio of the first droplet on three hybrid surfaces

| Samples | 0.5-1.0 | 0.5-1.5 | 0.5-2.0 |
|-------------------------|----------------|----------------|----------------|
| Mass (mg) | 34 | 38 | 46 |
| Falling time (s) | 36 | 42 | 62 |
| Mass/time (mg/s) | 0.94 | 0.90 | 0.74 |