

Supporting Information

Directed assembly of Janus cylinders by controlling the solvent polarity

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1. Size distribution and the volume ratio of hydrophilic and hydrophobic part of the Janus microcylinders

The Janus microcylinders prepared via the sequential micromolding are highly uniform as shown in Figure S1. The average length and diameter of the Janus microcylinders show $40.06 \pm 0.26 \mu\text{m}$ and $40.18 \pm 0.33 \mu\text{m}$, respectively. This quantitative result confirms that the aspect ratio of the Janus microcylinders is 1 ($AR=1$). Also, the volumetric ratio of hydrophobic and hydrophilic part is approximately 1, which indicates the portion of each part is identical and proves that the sequential micromolding is highly reproducible for the fabrication of Janus cylinders.

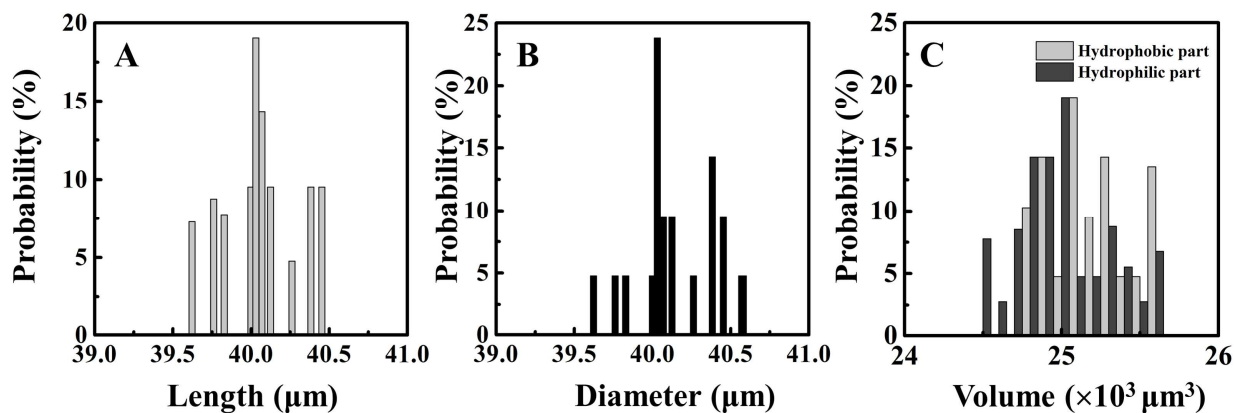


Figure S1. The size distribution of (A) length and (B) diameter, and (C) volume ratio of the hydrophobic and hydrophilic part of the Janus microcylinders.