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Supporting Information

Table S1. Preparation of PS and PMMA by solution polymerizations.

	styrene, g	methyl methacrylate, g	THF,	AIBN, mg	M_{w}^{c} , $\times 10^{4}$ g/mol	$M_{\scriptscriptstyle w}/M_{\scriptscriptstyle n}^{d}$
PS ^a	17.82		55.28	90.4	3.8	1.255
PMMA ^b		44.54	135.03	222.0	3.5	1.015

^a 70°C, 21h, Ar.

THF: tetrahydrofuran; AIBN: 2,2'-Azobis(2-methylpropionitrile).

^b 65℃, 21h, Ar.

[°] Weight-average molecular weight, measured by gel permeation chromatography.

^d Number-average molecular weight, measured by gel permeation chromatography.

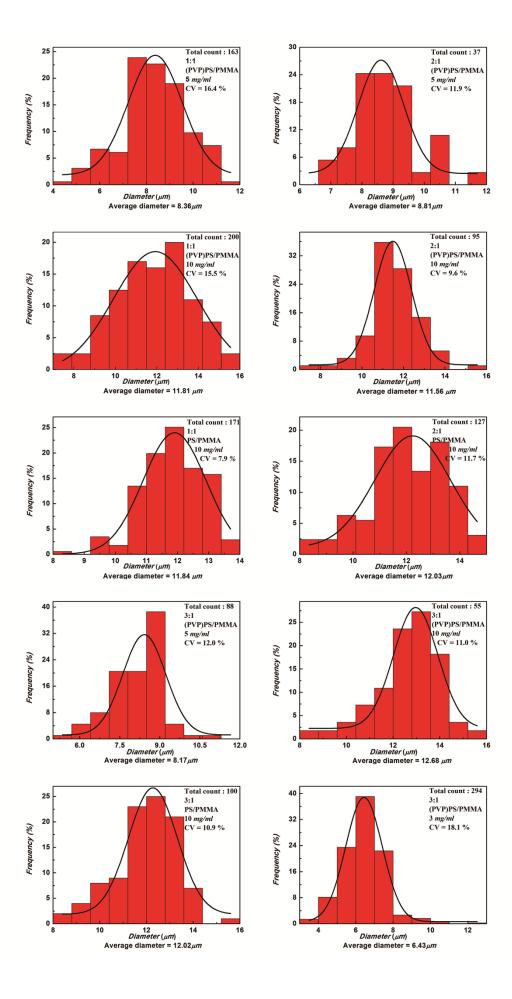


Fig. S1. Corresponding particle size distribution of PS/PMMA and (PVP)PS/PMMA Janus particles with different concentrations and components of disperse phases in microfluidics in Fig. 3. The black curves are the fits to the data using a Gaussian distribution. For the concentration 3mg/ml, statistical error is very large due to poor particle size distribution; thus, the corresponding size distribution was not displayed for weight ratios 2:1 PS/PMMA and 1:1 PS/PMMA.