

ARTICLE

Deformation of raspberry-like polymer composite particles by colloidal fusion

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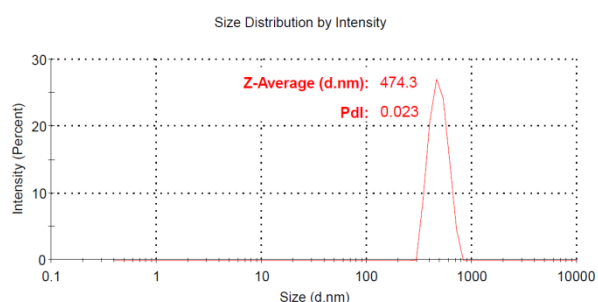


Fig. S1 Intensity-average particle diameters and polydispersity index (PDI) value of the raspberry-like SiO_2 -PS composite particles measured by DLS.

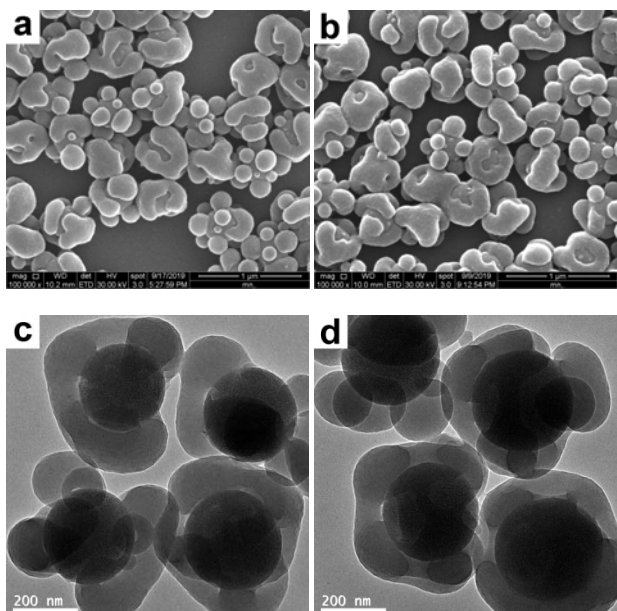


Fig. S2 SEM (a, b) and TEM (c, d) images of SiO_2 -PS composite particles after melting in a THF/ethanol medium with 30 vol % THF at different composite particle concentrations: (a, c) 0.8 g/L (entry 7 in Table 1); (b, d) 4.0 g/L (entry 8 in Table 1).

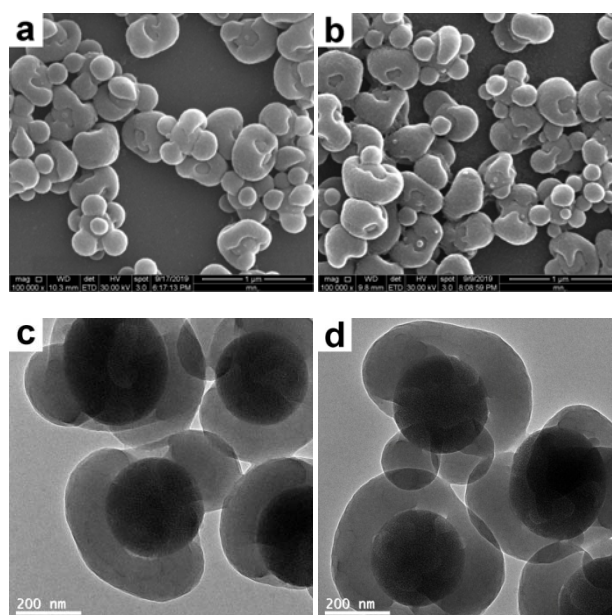


Fig. S3 SEM and TEM images of SiO_2 -PS composite particles after melting in a THF/ethanol medium with 30 vol % THF at various agitation rate: (a, c) grade 3 (entry 9 in Table 1); (b, d) grade 5 (entry 10 in Table 1).

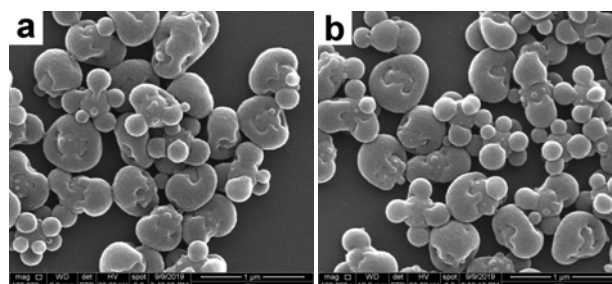


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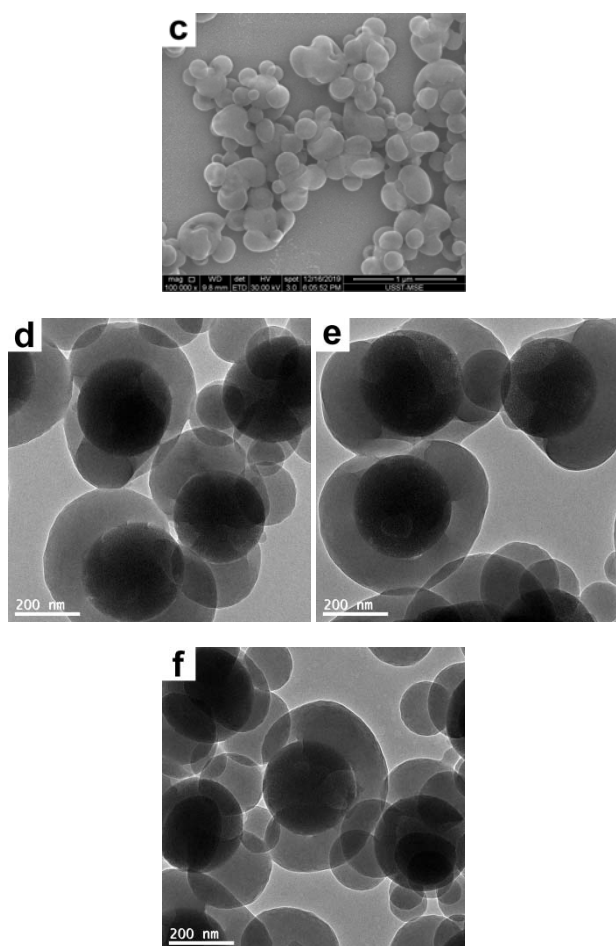


Fig. S5 SEM (a, b) and TEM (c, d) images of original PGMA particles at various magnifications.

Fig. S4 SEM (a, b, c) and TEM (d, e, f) images of SiO₂-PS composite particles after melting in a THF/ethanol medium with 30 vol % THF at different agitation times: (a, d) 60 s (entry 11 in Table 1); (b, e) 120 s (entry 12 in Table 1); (c, f) 1800 s (entry 13 in Table 1).

