

†Supporting Information

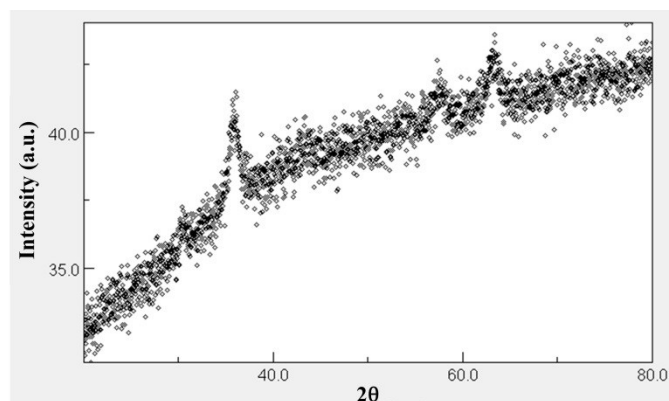


Fig. S.1. XRD pattern of MCNC0.05 composites.

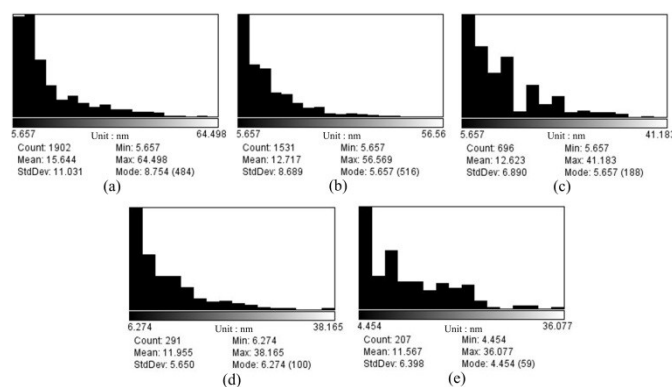
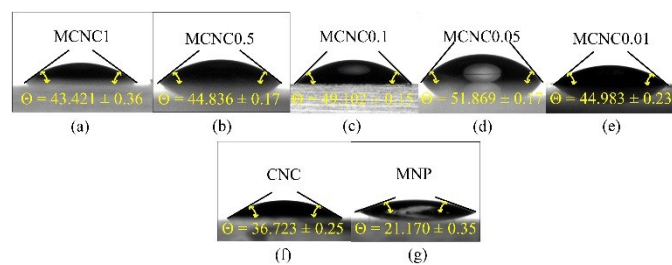


Fig. S.2. Histogram of MNPs for all MCNC samples obtained from ImageJ analysis. (a) MCNC0.01, (b) MCNC0.05, (c) MCNC0.1, (d) MCNC0.05, (e) MCNC0.01.



MCNC0.5, (e) MCNC1.

Fig. S.3. Contact angle of water droplet on the surface of a thin film of (a) MCNC1, (b) MCNC0.5, (c) MCNC0.1, (d) MCNC0.05, (e) MCNC0.01, (f) CNC, and (g) MNP.