Fig. S1. Typical EDS patterns of irregularly-shaped 3D architectures (a) and microscale spheres (b).

Fig. S2. SEM images of the sample prepared by using NaH$_2$PO$_2$ as reducing agent.

Fig. S3. A rough illustration of the formation of microspheres (a) and wheat-ear-like microstructures (b).

Fig. S4. XRD pattern (a), EDS pattern (b) and SEM image (c) of the sample obtained at reaction time of 20 min in the absence of sodium citrate.