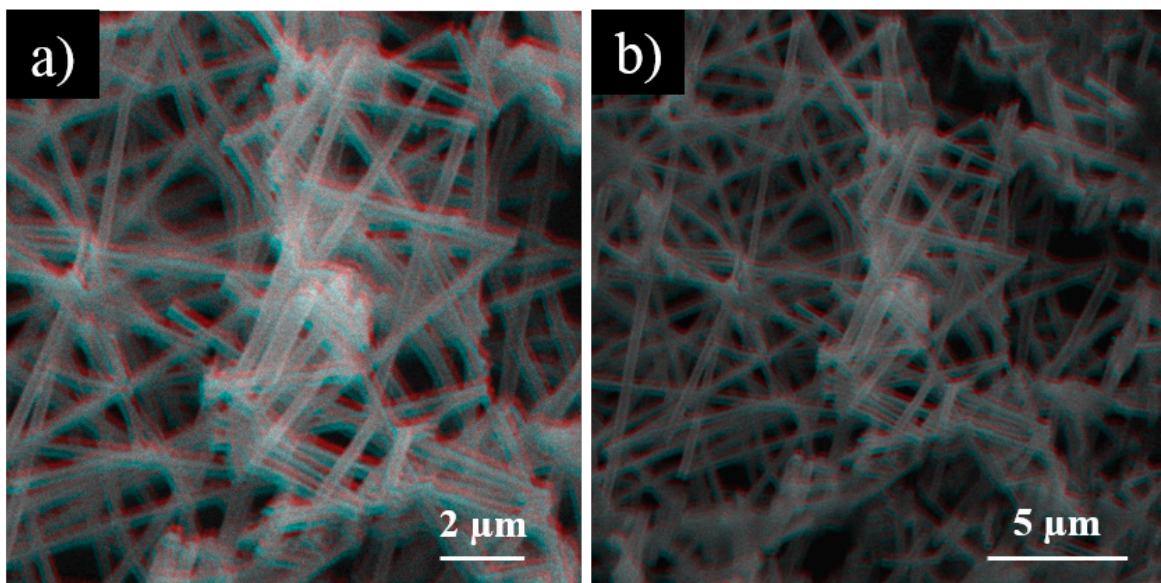
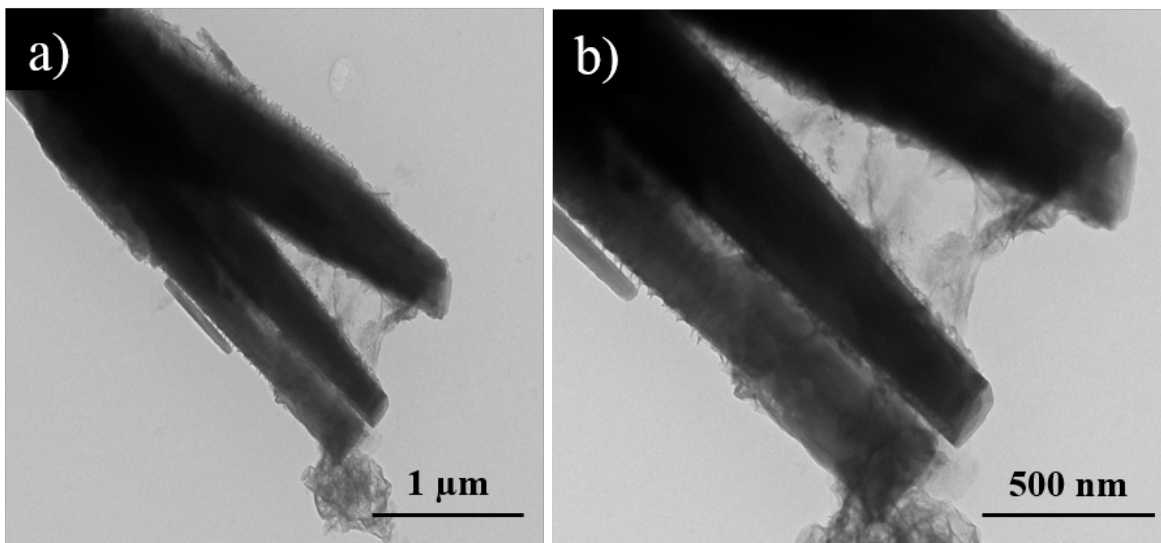


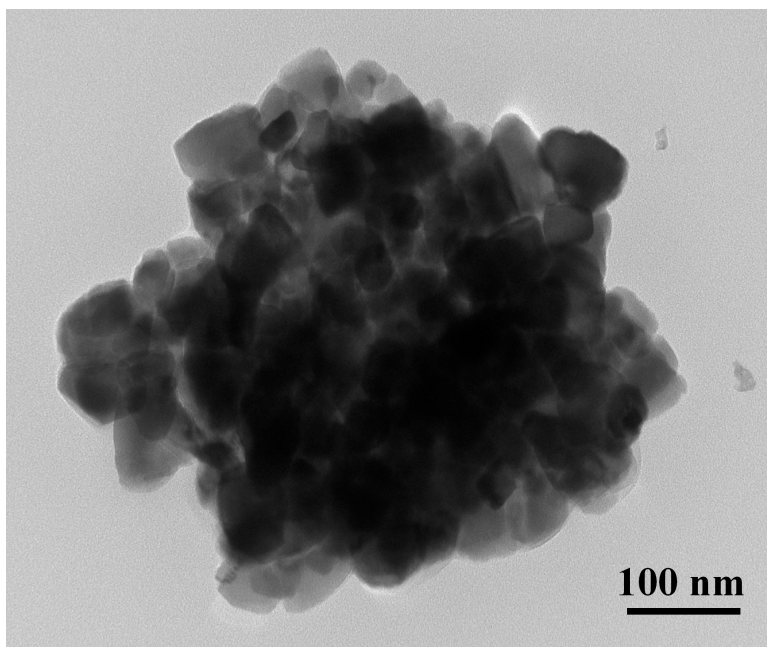
## Supplementary Material



**Fig. S1.** SEM micrographs (3D-SEM) of hollow ZnONT at magnifications: a) 15 kx; and b) 10 kx.



**Fig. S2.** TEM images of ZnO-PV<sub>f</sub> after washing process: (ZnO- PV<sub>f</sub>)-B.



**Fig. S3.** TEM image of commercial ZnONP.