

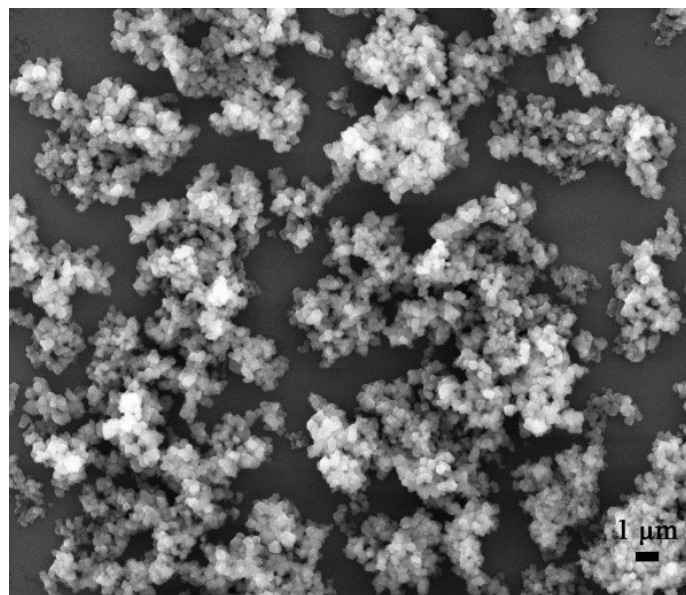
## Supporting Information

### Construction of One-dimensional MoO<sub>2</sub>/NC Heteronanowires for Microwave Absorption

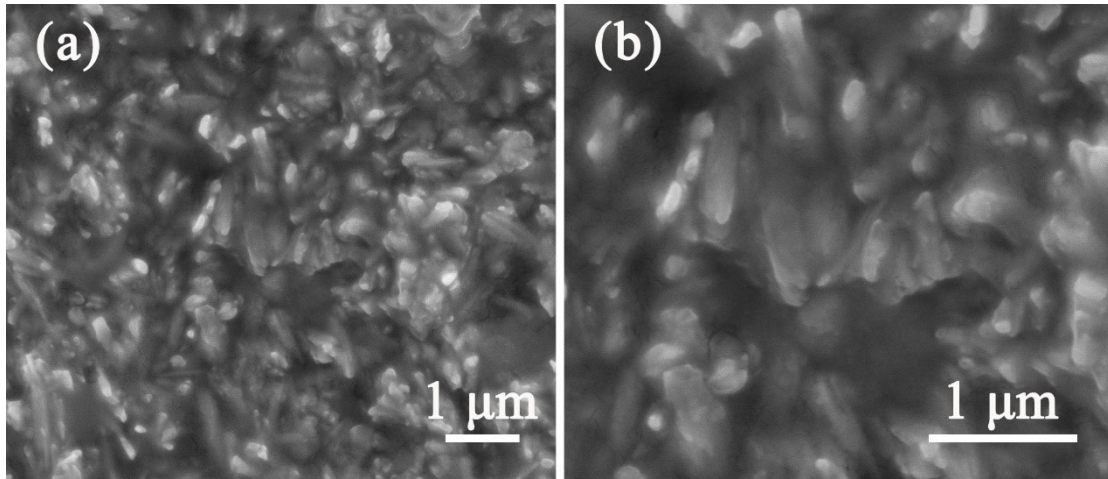
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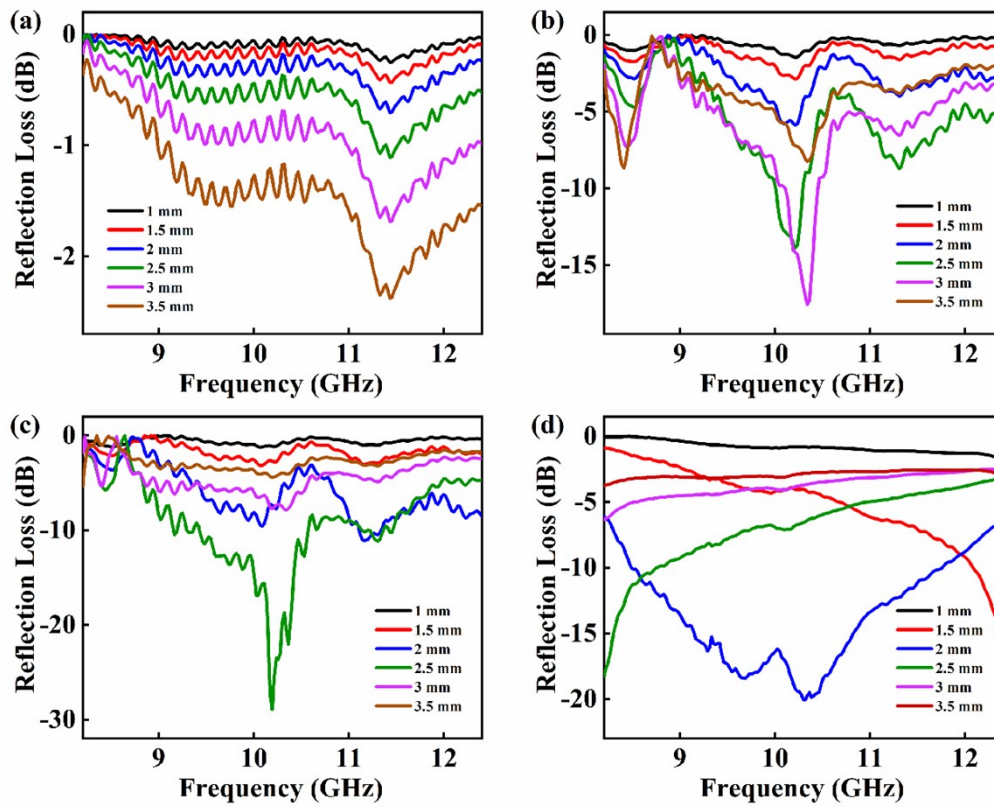
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**Fig. S1** SEM image of pristine PPy nanoparticles



**Fig. S2** SEM images of the fracture section of MoO<sub>2</sub>/NC-TPU membrane



**Fig. S3** Microwave RL curves of (a) pure TPU; (b) 20 wt% MoO<sub>2</sub>/NC-TPU; (c) 30 wt% MoO<sub>2</sub>/NC-TPU and (d) 40 wt% MoO<sub>2</sub>/NC-TPU at a thickness range of 1.0-3.5 mm in X band