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**Supporting Information** 

A Novel Strategy to Enhance Multiple Interface Effect by

Amorphous Carbon Package Hydrogenated TiO<sub>2</sub> for Stable and

**Effective Microwave Absorption** 

Jianle Xu, <sup>a</sup> Li Sun, <sup>a</sup> Xiaosi Qi, <sup>b</sup> Zhongchi Wang<sup>a</sup>, Qiang Fu<sup>a, c</sup>, and Chunxu Pan\*a, c

<sup>a</sup>School of Physics and Technology, and MOE Key Laboratory of Artificial Micro- and

Nanostructires and <sup>c</sup>Center for Electron Microscopy, Wuhan University, Wuhan

430072, P. R. China.

<sup>b</sup>College of Physics, Guizhou University, Guiyang 550025, P. R. China.

\*Author to whom correspondence should be addressed.

Tel: +86-27-68752481 ext.

E-mail: <a href="mailto:cxpan@whu.edu.cn">cxpan@whu.edu.cn</a> (C. Pan)

\*Author to whom correspondence should be addressed.

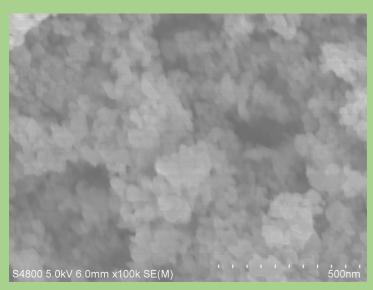
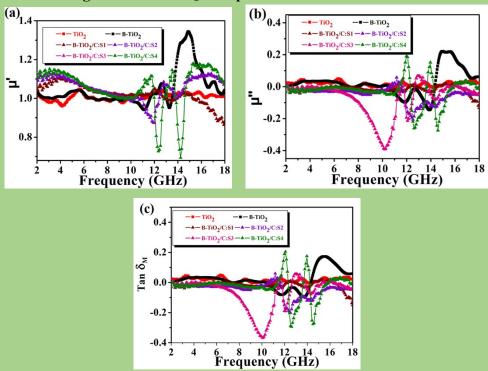


Fig. S1. SEM images of black TiO<sub>2</sub> nanoparticles



**Fig. S2.** Complex permeability of  $TiO_2$ , B- $TiO_2$  and B- $TiO_2/C$ : (a) real part, (b) imaginary part, and (c) tangents loss

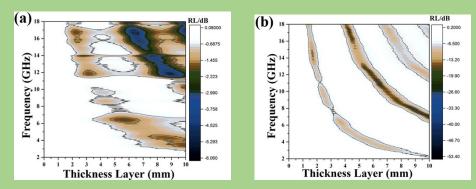


Fig. S3. Two dimensional representation RL values: (a) TiO<sub>2</sub>, (b) B-TiO<sub>2</sub>.