Electronic Supplementary Material (ESI) for Journal of Materials Chemistry C

Supporting Information:

Laminated Magnetic Graphene with Enhanced Electromagnetic Wave Absorption Properties

Xin Sun, Jianping He,* Guoxian Li, Jing Tang, Tao Wang, Yunxia Guo, and Hairong Xue
College of Material Science and Technology, Nanjing University of Aeronautics and Astronautics, Nanjing, Jiangsu 210016, P. R. China
*Corresponding author. Tel: +86 25 52112900; Fax: +86 25 52112626; E-mail address: jianph@nuaa.edu.cn

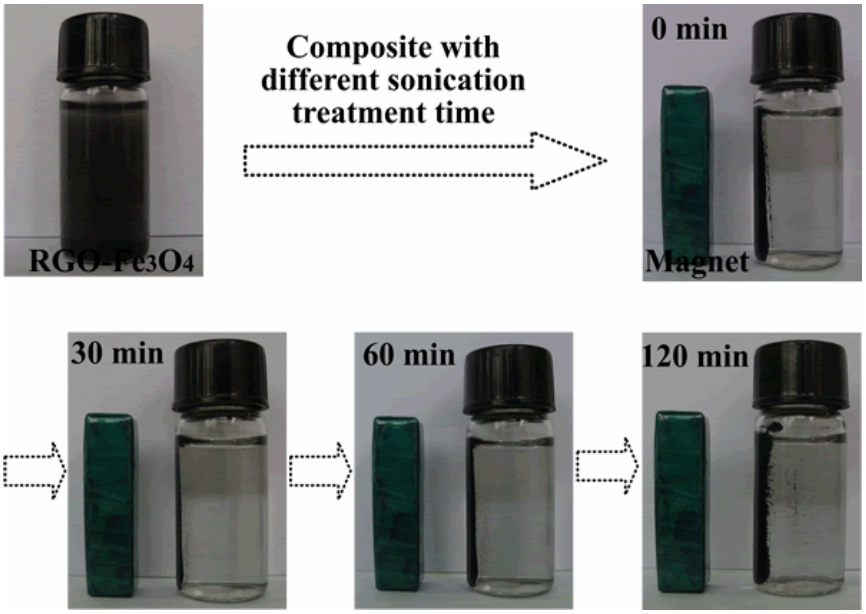

Figure S1. RGO-Fe_3O_4 composite with different sonication (ultrasonic power: 100 W) treatment time and was separated from the solution by an external magnetic field.

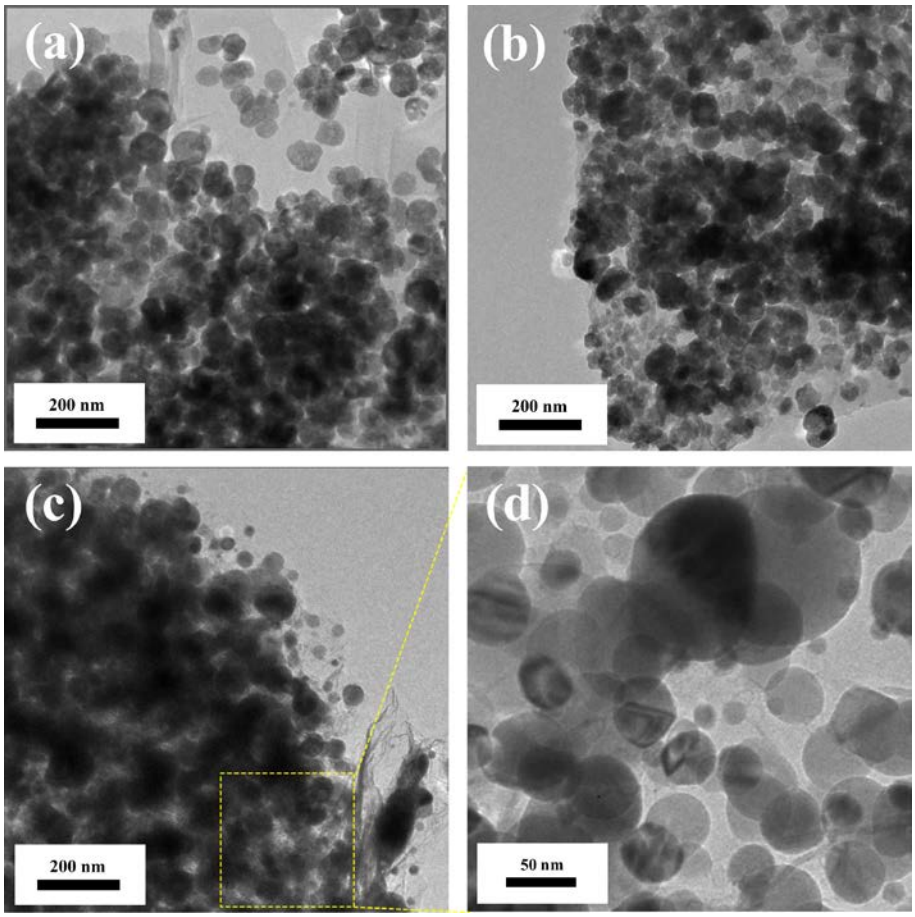

Figure S2. TEM images of as-prepared RGO-Fe_3O_4 composites with the content of Fe^{3+} ion increasing while keeping all the other reaction conditions the same for the previous synthesis. (a): C(Fe^{3+})=82.2 mmol/L; (b): C(Fe^{3+})=92.5 mmol/L; (c): C(Fe^{3+})=102.8 mmol/L; (d): a partial high-resolution image of (c).