Electronic Supplementary Material (ESI) for RSC Advances. This journal is © The Royal Society of Chemistry 2014

## **Supporting Information**

Thermally conductive and electrically insulating epoxy nanocomposites with silicacoated graphene

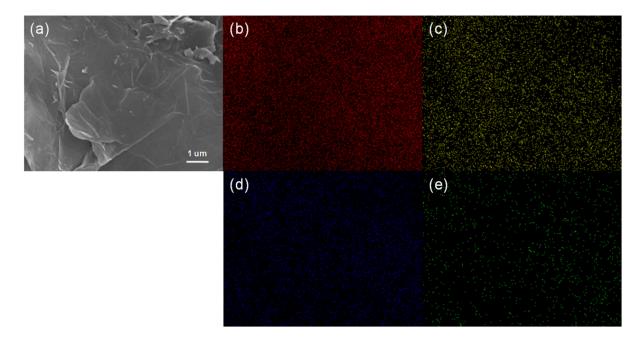
Xue Pu,<sup>a</sup> Hao-Bin Zhang,<sup>a</sup> Xiaofeng Li,\*<sup>a</sup> Chenxi Gui,<sup>a</sup> Zhong-Zhen Yu\*<sup>a,b</sup>

<sup>a</sup> State Key Laboratory of Organic-Inorganic Composites, Beijing University of Chemical

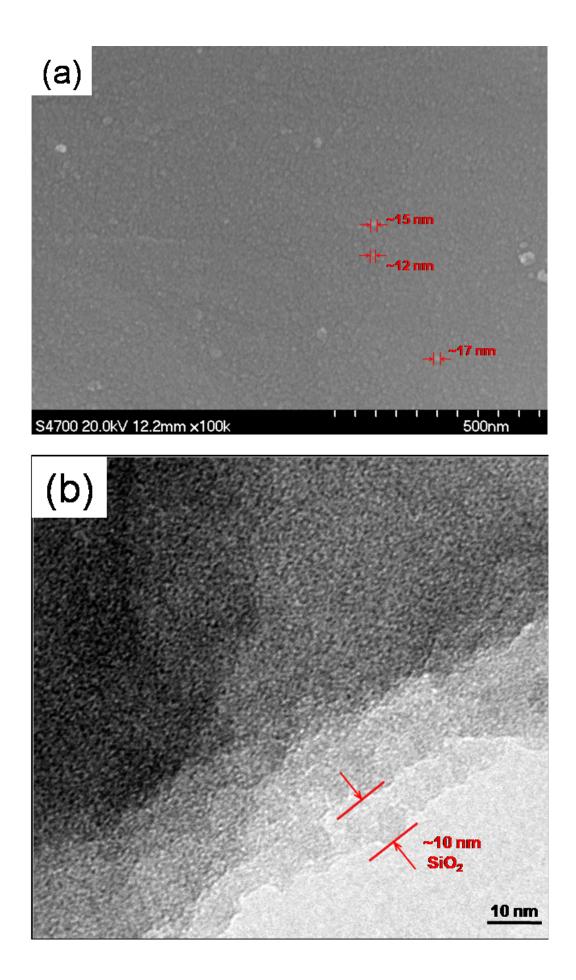
Technology, Beijing 100029, China

<sup>b</sup> Beijing Key Laboratory on Preparation and Processing of Novel Polymer Materials, Beijing

University of Chemical Technology, Beijing 100029, China



**Fig. S1** (a) SEM image of A-graphene and its corresponding elemental mapping images of (b) carbon, (c) silicon, (d) oxygen, and (e) nitrogen.



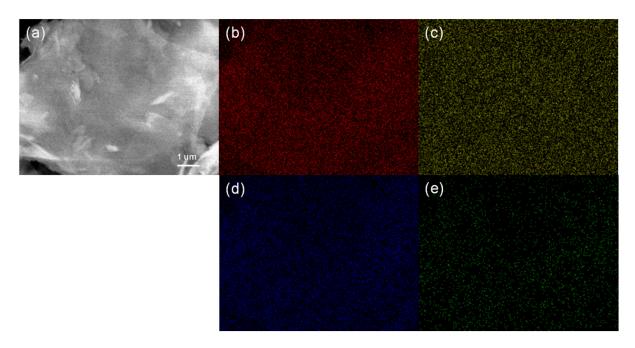


Fig. S2 (a) SEM and (b) TEM images of S-graphene.

**Fig. S3** (a) SEM image of S-graphene and its corresponding elemental mapping images of (b) carbon, (c) silicon, (d) oxygen, and (e) nitrogen.