

## SUPPORTING INFORMATION

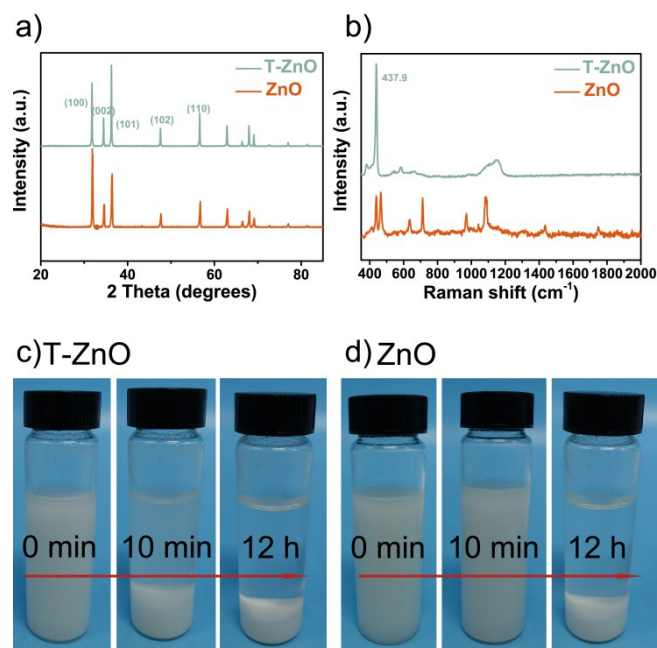
# Enhanced Thermal Conductivity of Epoxy Composites Filled with Tetrapod-shaped ZnO

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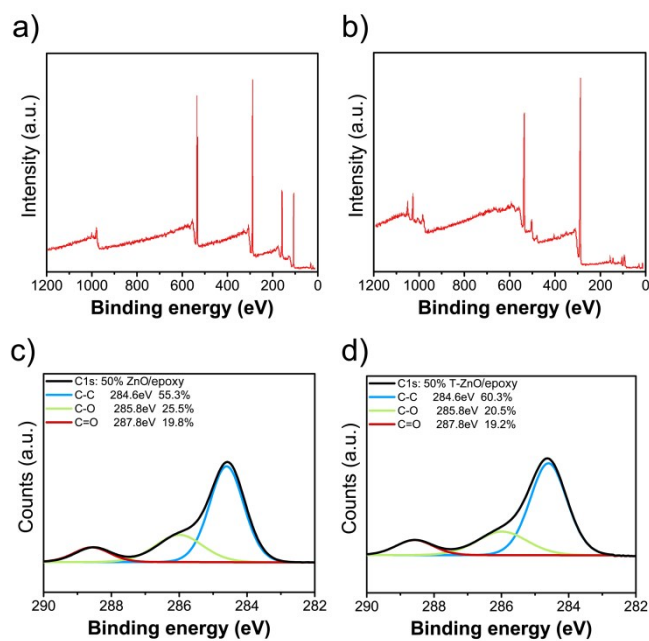
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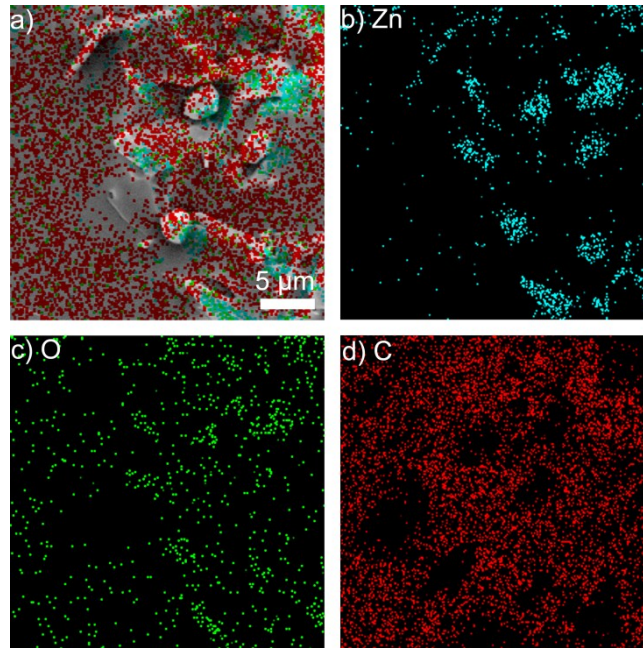
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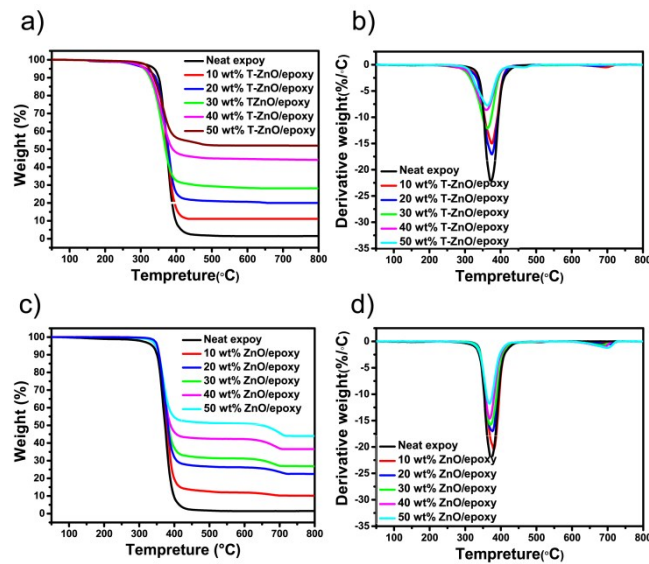
**Figure S1.** (a) The XRD pattern and (b) the Raman spectra of ZnO and T-ZnO; the dispersion states in ethanol after 10 min and 12 h of (c) T-ZnO and (d) ZnO.



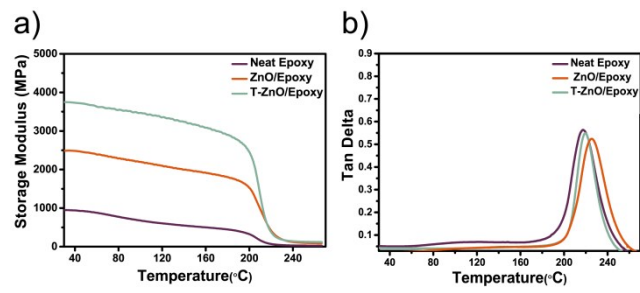
**Figure S2.** (a) and (b) XPS survey scans of ZnO/epoxy and T-ZnO/epoxy composites; (c) and (d) the corresponding C1s XPS spectra of ZnO/epoxy and T-ZnO/epoxy composites.



**Figure S3.** EDS images of (a) 50 wt% ZnO/epoxy composites; the distribution of (b) Zn element; (c) O element and (d) C element.



**Figure S4.** (a) TGA and (b) DTG curves of neat epoxy and T-ZnO/epoxy composites; (c) TGA and (d) DTG curves of neat epoxy and ZnO/epoxy composites.



**Figure S5.** (a) Storage modulus and (b) loss factors of neat epoxy and its composites with 50 wt% fillers.