

**Electrical Supporting Information**

Expansion of orderly stacked metakaolinite layers and  
order destruction using a kaolinite-tetraphenylphosphonium  
chloride intercalation compound

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Figures

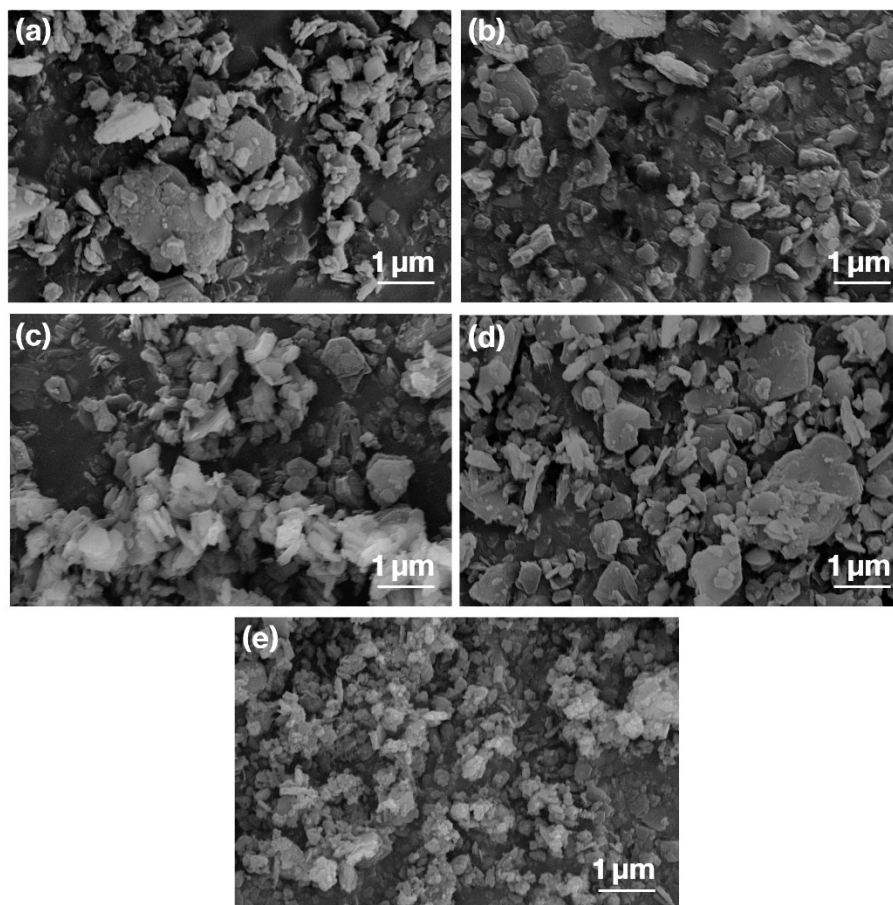


Figure S1. FE-SEM images of (a) kaolinite, (b) MeO-Kaol, (c) TPhPCI/MeO-Kaol, (d) TPhPCI/MeO-Kaol\_540 and (e) TPhPCI/MeO-Kaol\_540\_G.

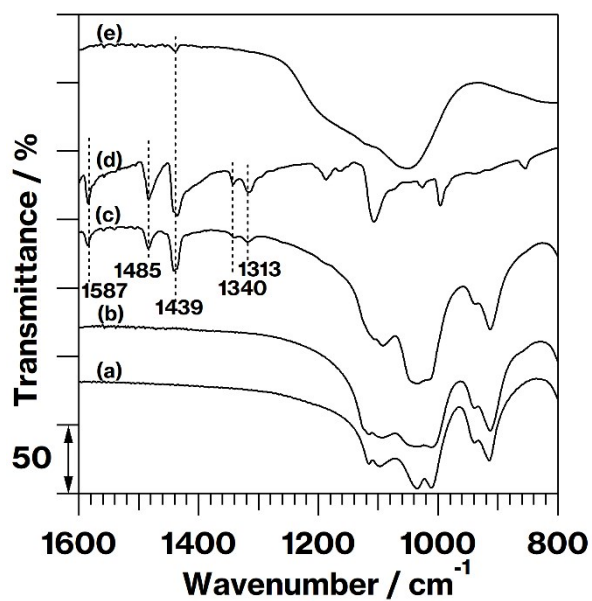


Figure S2. IR spectra in the 1600-400  $\text{cm}^{-1}$  range of (a) kaolinite, (b) MeO-Kaol, (c) TPhPCI/MeO-Kaol, (d) TPhPCI and (e) TPhPCI/MeO-Kaol\_540.

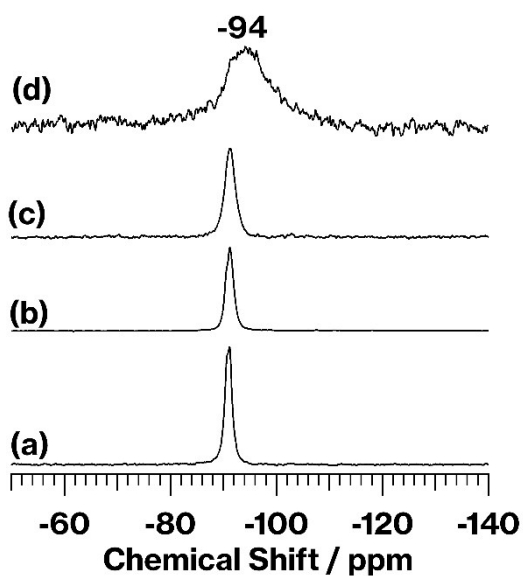


Figure S3.  $^{29}\text{Si}$  CP/MAS NMR spectra of (a) kaolinite, (b) MeO-Kaol, (c) TPhPCI/MeO-Kaol and (d) TPhPCI/MeO-Kaol\_540.