

# **Influence of Head Group on Dynamic in Surfactant Intercalated Graphite Oxide**

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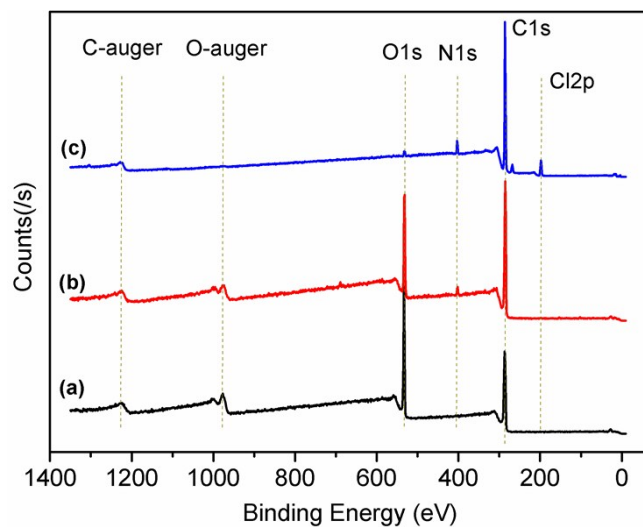
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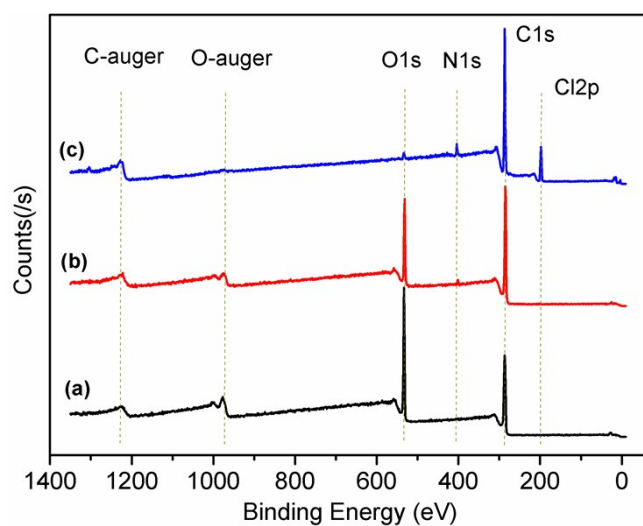
*Nanjing China*

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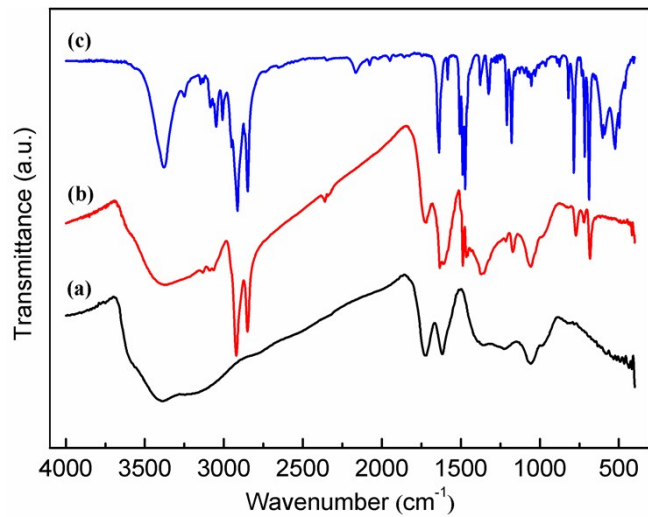
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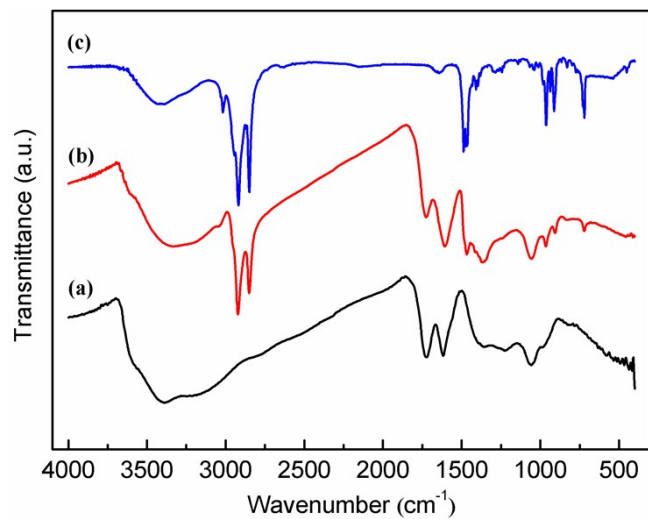
**Figure S1.** Survey scans XPS spectra of (a) GO, (b) C<sub>16</sub>TMA-GO and (c) C<sub>16</sub>TMACl.



**Figure S2.** Survey scans XPS spectra of (a) GO, (b) C<sub>16</sub>Py-GO and (c) C<sub>16</sub>PyCl.



**Figure S3.** FTIR spectrum of (a) GO, (b) C<sub>16</sub>Py-GO and (c) C<sub>16</sub>PyCl.



**Figure S4.** FTIR spectrum of (a) GO, (b) C<sub>16</sub>TMA-GO and (c) C<sub>16</sub>TMA Cl.