

FeCl₃ Intercalated Few-Layer Graphene for High Lithium-Ion Storage Performance

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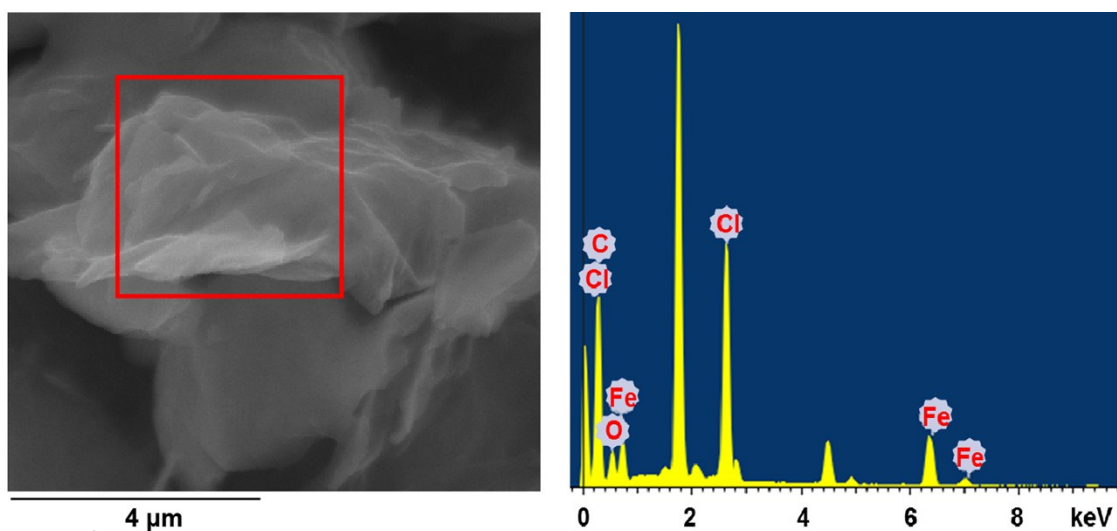


Figure S1. Elemental analysis of FeCl₃-FLG

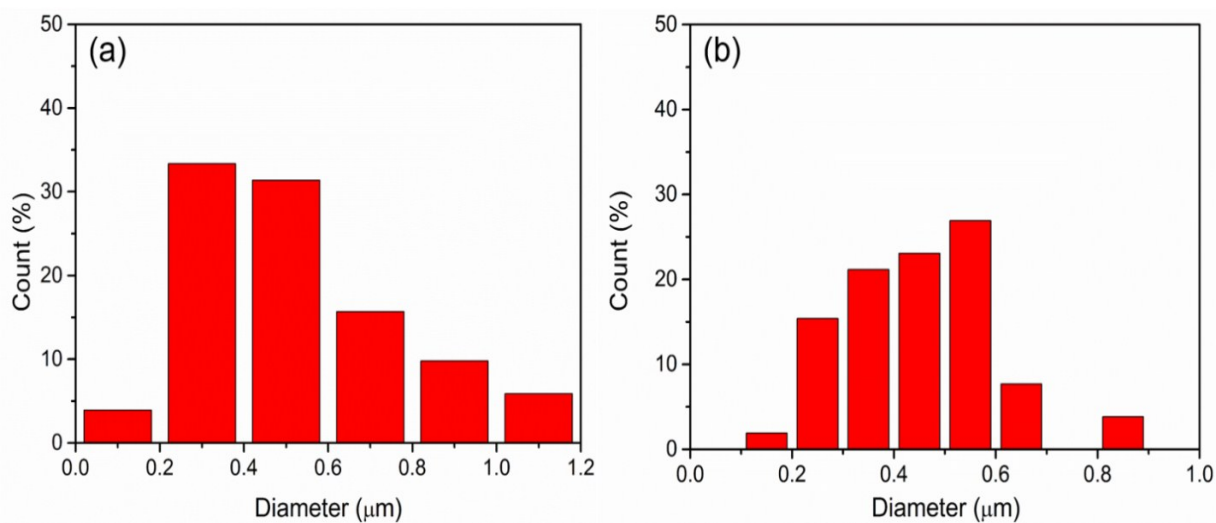


Figure S2. Average sizes of (a) sonicated graphite and (b) graphene sheets exfoliated from GICs.

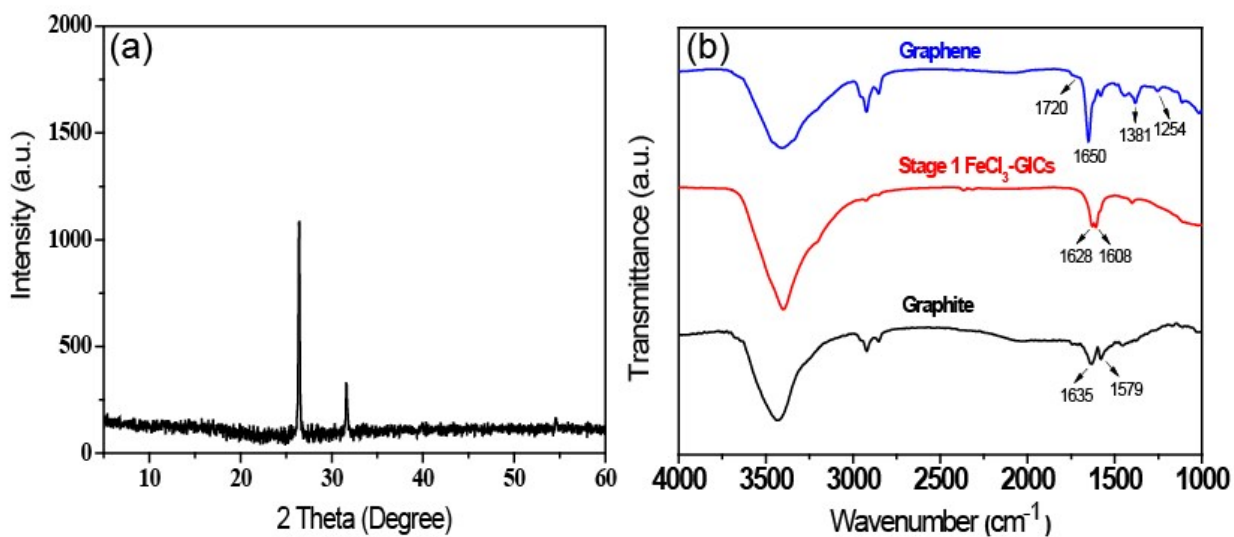


Figure S3. (a) XRD pattern of sonicated graphite; (b) FT-IR spectra of graphite, stage 1 FeCl₃-GICs, and graphene exfoliated from GIC.

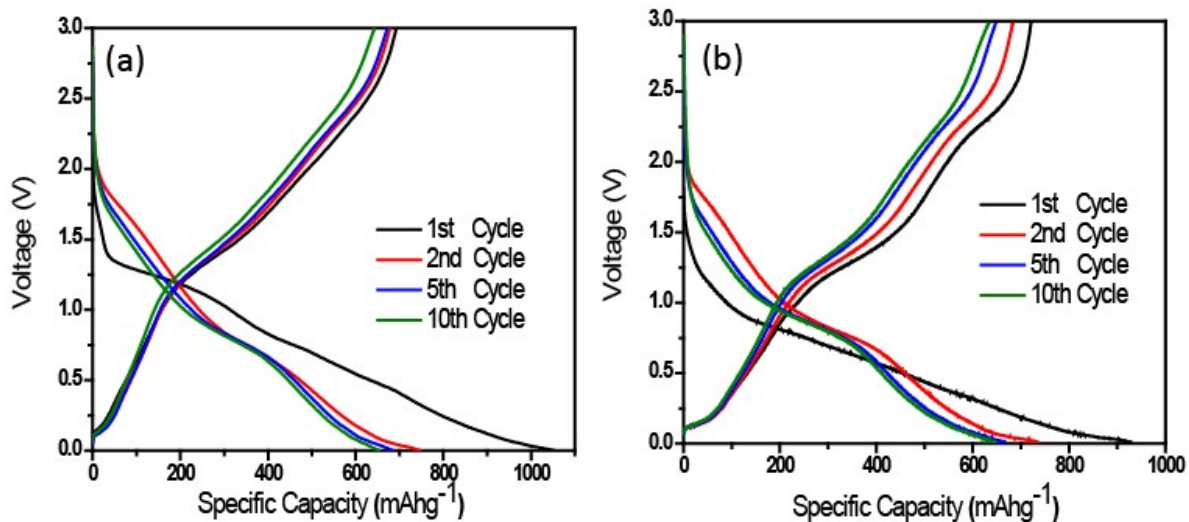


Figure S4. Charge/discharge curves of (a) stage 1 FeCl_3 -GICs, and (b) graphene sheets between voltage limits of 0.01-3 V at a current of 100 mA g^{-1} .

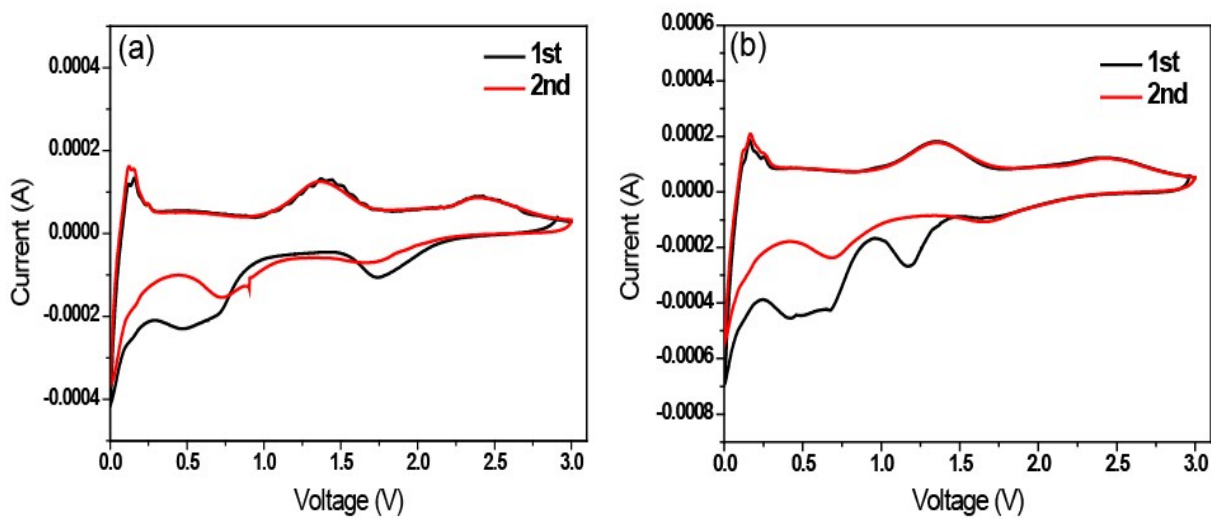


Figure S5. Cyclic voltammogram curves of (a) FeCl_3 -FLG and (b) graphene sheets.

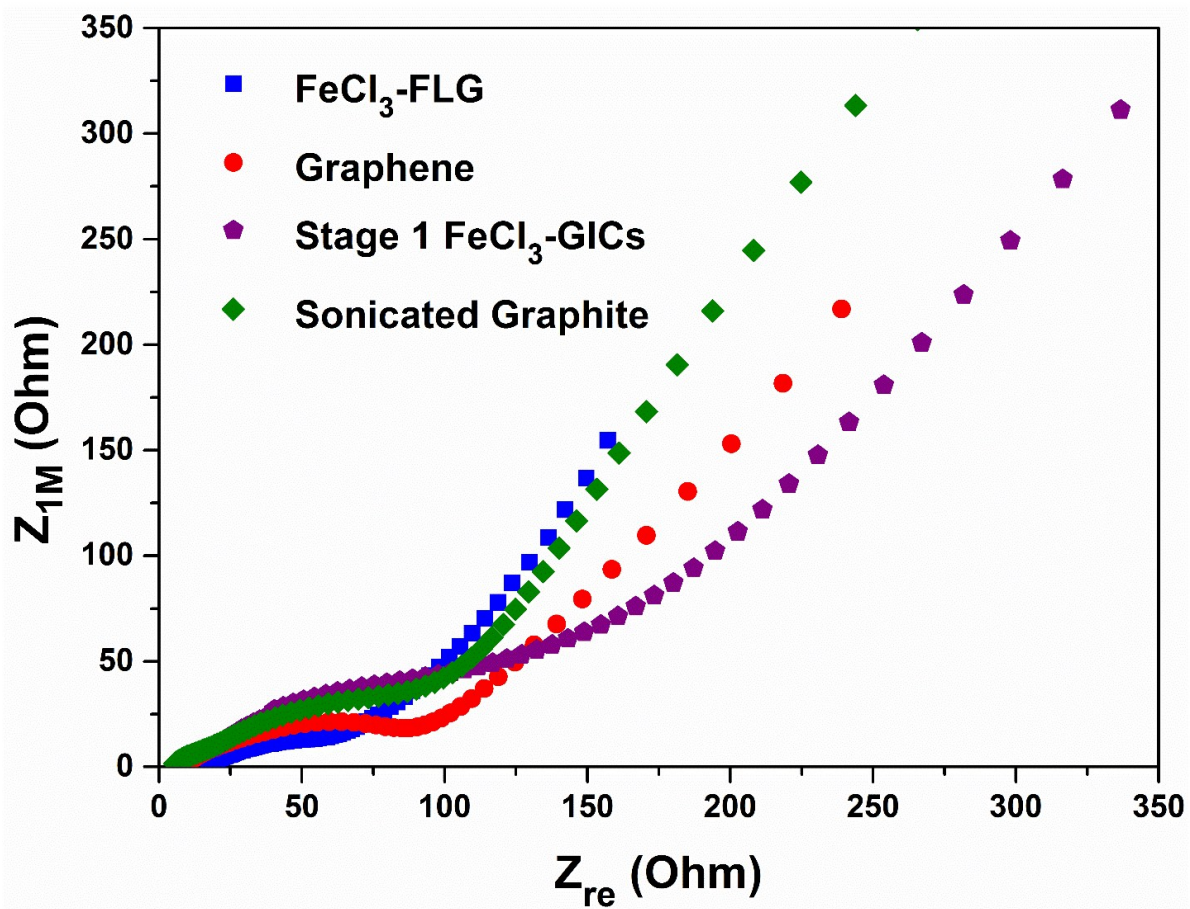


Figure S6. AC impedances of the electrodes composed of sonicated graphite, stage 1 FeCl₃-GICs, graphene, and FeCl₃-FLG.