Electronic and Magnetic Behaviors of Hydrogen Functionalized Graphene Nanostructure Material

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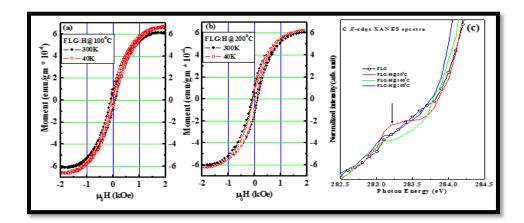


Figure S1. For a comparison of M-H loops of hydrogen plasma treated, few layer graphene at (a) 100°C and (b) 200°C temperature. (c) C K-edge XANES spectra where @50°C temperature hydrogen plasma treated Graphene shows "Zig-Zag" edge.

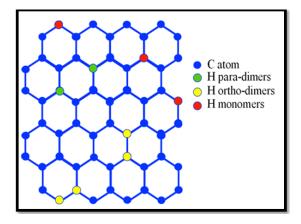


Figure S2. Different hydrogen attachment on graphene [ortho-dimers: yellow; paradimers: blue; monomers: red].