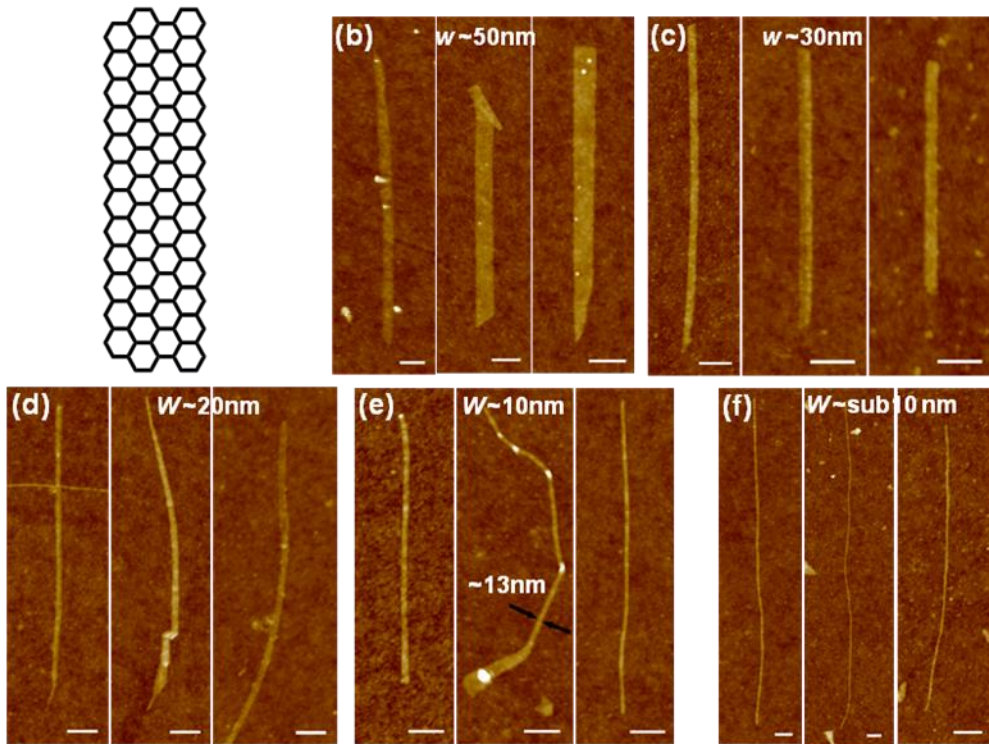
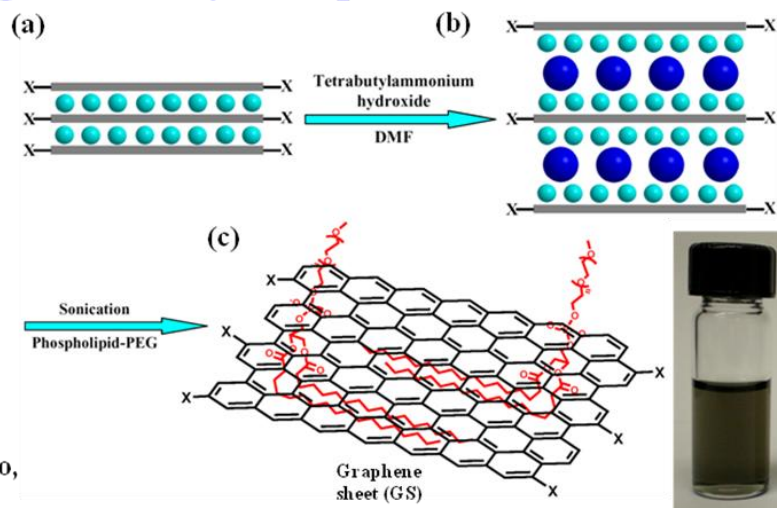


Graphene Nanoribbons From Solution

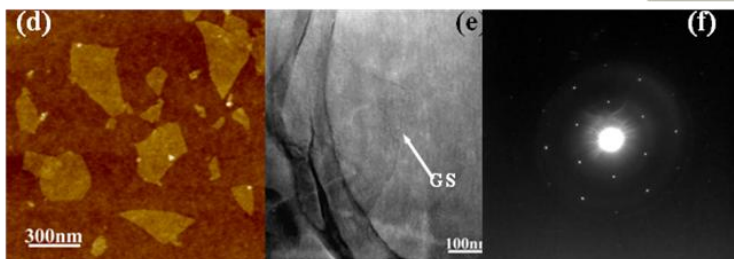


(X. Li, X. Wang et al., Science, 2008)

High Quality Graphene Sheets in Solution

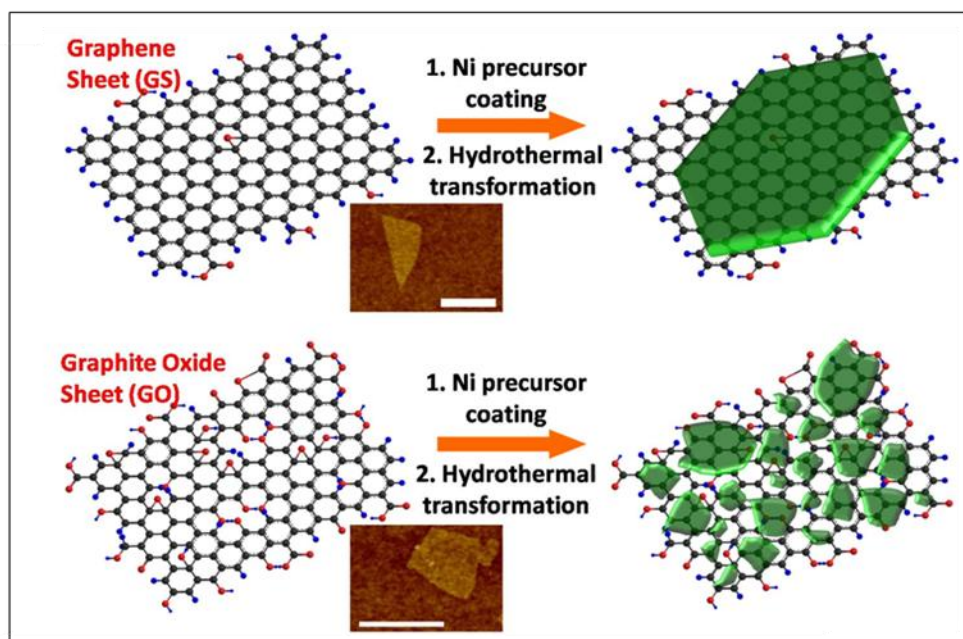


X. Li, et al.,
Nature Nano,
2008



A Novel Hybrid: Materials Grown on Graphene

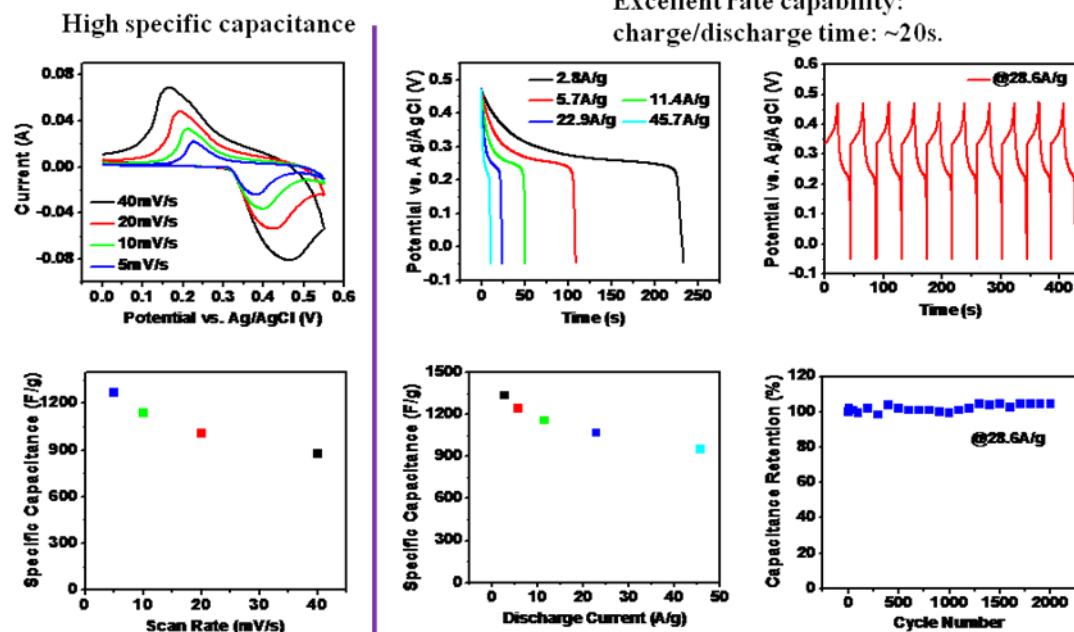
- The degree of graphene oxidation affects growth morphology.
- A great way to imparting electrical conductivity to insulating nanomaterials.



(H. Wang et al, JACS, 2010)

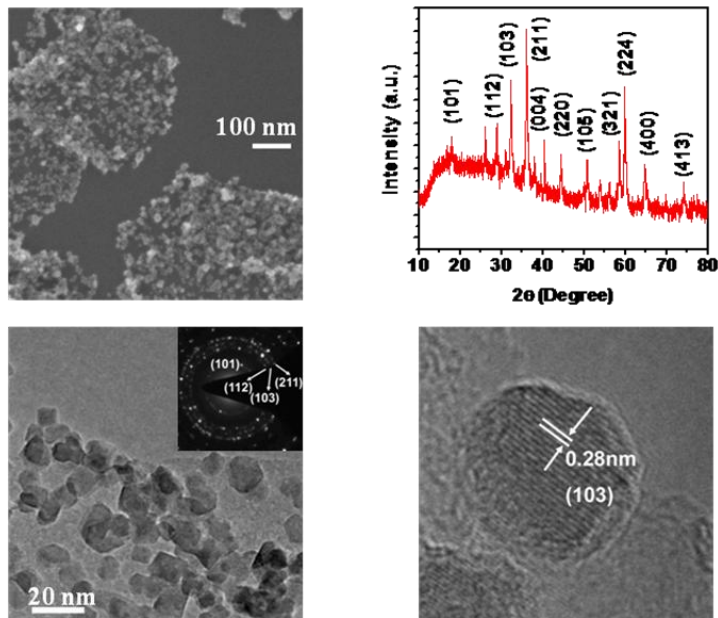
Ni(OH)₂ Nanoplates Grown on Graphene for Pseudocapacitors: A Route to Energy Storage for High Energy and Power Densities

Excellent rate capability:
charge/discharge time: ~20s.



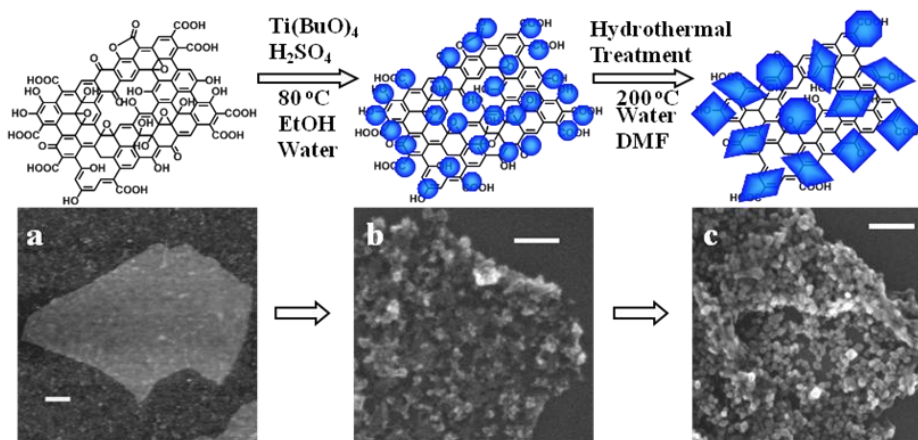
H. Wang et al, JACS, 2010

Mn₃O₄/Graphene for Lithium Ion Batteries: A Route to Greatly Improved Batteries?



H. Wang et al, JACS, 2010

TiO₂ Nanocrystals Grown on Graphene for Photocatalysis: New Generations of Catalysts?



- Grow TiO₂ nanocrystals on graphene oxide

(Y. Liang et al, Nano Res., 2010)