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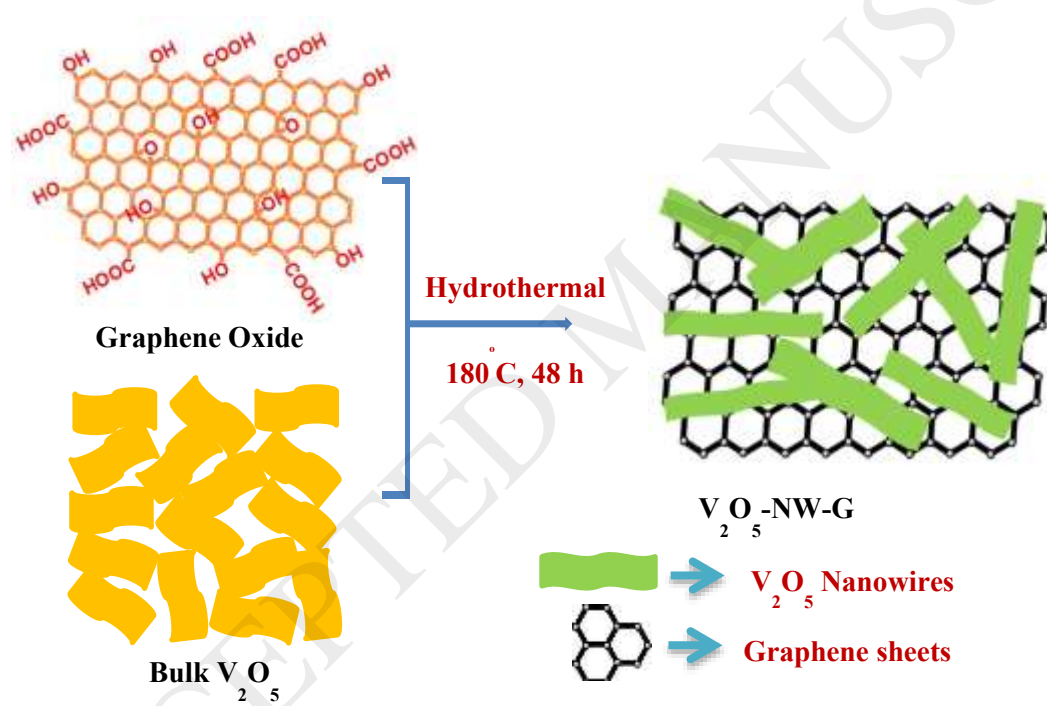
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# $V_2O_5$ Nanowires-Graphene composite as an outstanding electrode material for high electrochemical performance and long-cycle-life supercapacitor

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## Graphical abstract



## Highlights

- $V_2O_5$  nanowires supported on highly conducting reduced graphene oxide has been prepared by simple hydrothermal method.
- High gravimetric capacitance of  $1002 \text{ Fg}^{-1}$  has been obtained at the current density of  $1 \text{ Ag}^{-1}$  with aqueous electrolyte.

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