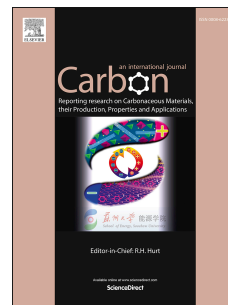


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Carbon nitride template-directed fabrication of nitrogen-rich porous graphene-like carbon for high performance supercapacitors

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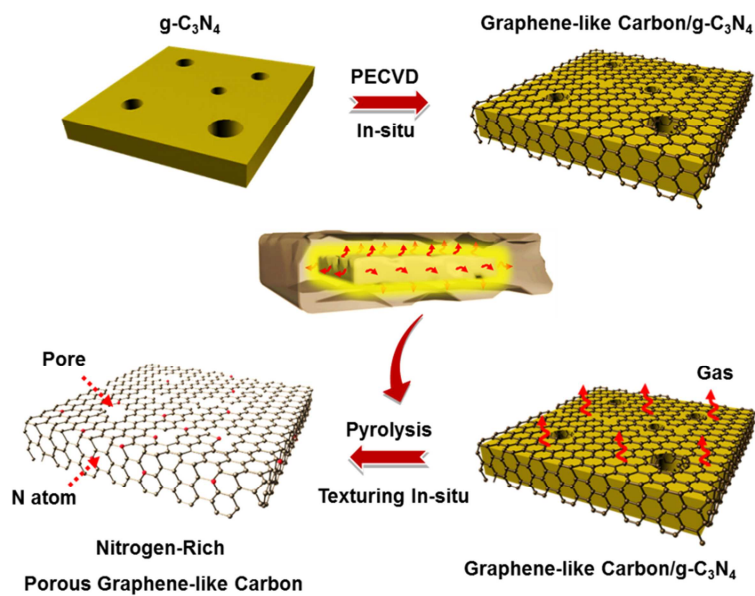
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Graphical Abstract



A protocol for $g\text{-C}_3\text{N}_4$ template-directed fabricating nitrogen-rich porous graphene-like carbon sheets (NPGCs) has been developed by using plasma-enhanced chemical vapor deposition followed with high-temperature pyrolysis. As supercapacitor electrode, the NPGCs deliver quite encouraging specific capacitance, high rate capability and outstanding cycle performance.

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