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Significant improvement of ionic conductivity of high-graphene oxide-loading ice-templated poly (ionic liquid) nanocomposite electrolytes

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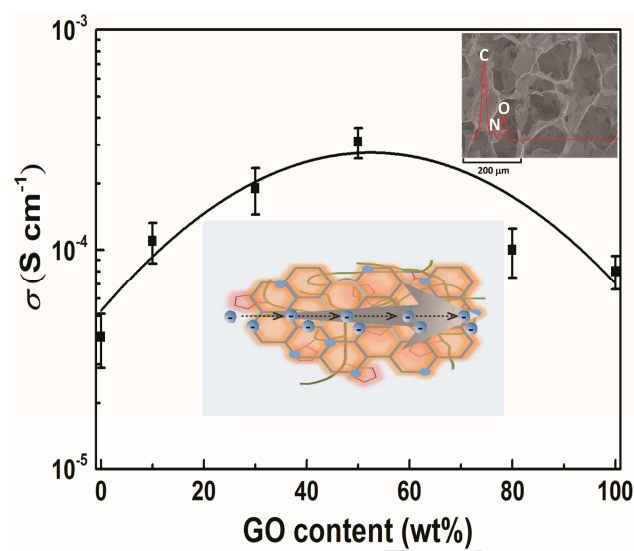
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**Graphical Abstract**

In the ice-templated graphene oxide / poly (ionic liquid) nanocomposite electrolyte, a superhighway for ion conduction consisted of "PIL&GO nanosheets" could be built at a high loading of GO, which contributed to significant improvement of the ionic conductivity.



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