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Long-term electrical conductivity stability of graphene under uncontrolled ambient conditions

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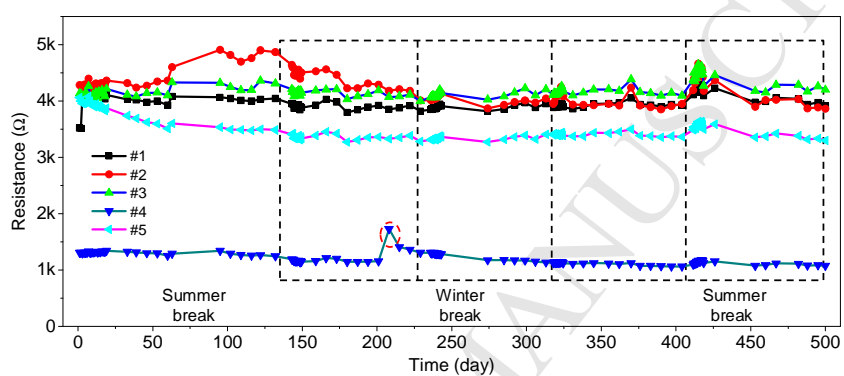
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Graphical Abstract

The long-term resistance changes of large-area graphene film under uncontrolled ambient atmosphere have been monitored. After kept in air over years, only tiny resistance oscillation has been observed. The oscillations of graphene resistance are sensitive to the room temperature and humidity changes and reversible, indicating the recover ability of graphene in air.



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