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Title: Graphene dip coatings: An effective anticorrosion barrier on aluminum

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**Highlights**

- 1 Graphene coatings were prepared via dip coating route on the surface of Al.
- 2 Raman spectra results indicated that the coatings were consecutive and uniform.
- 3 Graphene coatings acted as anticorrosion barriers on Al against NaCl solutions.
- 4 The corrosion resistance properties were studied by using polarization and EIS.
- 5 The  $i_{corr}$  value was improved nearly three orders of magnitude.

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