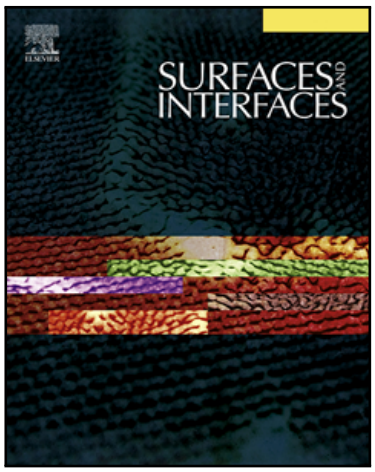

Tribological investigation of Ni-Graphene Oxide composite coating produced by pulsed electrodeposition

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Highlights

- A facile approach for modulating friction and wear in composite coatings.
- Ni-graphene oxide (GO) composite coating was produced by pulsed electrodeposition.
- Tribo-Mechanical properties of the coatings are improved after incorporation of GO particles.
- Antiwear behaviour of the coating is improved after intercalation of GO in Ni matrix.
- Trapped GO particles come out under applied load to form an interfacial transfer film.