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Title: Graphene immobilized enzyme/polyethersulfone mixed matrix membrane: Enhanced antibacterial, permeable and mechanical properties

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## Research Highlights

1. Lysozyme was immobilized on the surface of graphene oxide (GO) and reduced GO (RGO).
2. The novel hybrid membranes based on lysozyme and graphene were fabricated firstly.
3. These membranes showed good antibacterial and mechanical performance.

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