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Title: Enhanced electromechanical performance of bio-based gelatin/glycerin dielectric elastomer by cellulose nanocrystals

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- Cellulose nanocrystals disrupted the hydrogen bonds in gelatin molecules.
- Cellulose improved the mechanical strength of gelatin/glycerin elastomer.
- Cellulose improved the dielectric constant of gelatin/glycerin elastomer.
- A 230% increase in the actuated strain was obtained by adding 5wt% of cellulose.

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