Article

A stretchable, self-healable triboelectric nanogenerator as electronic skin for energy harvesting and tactile sensing

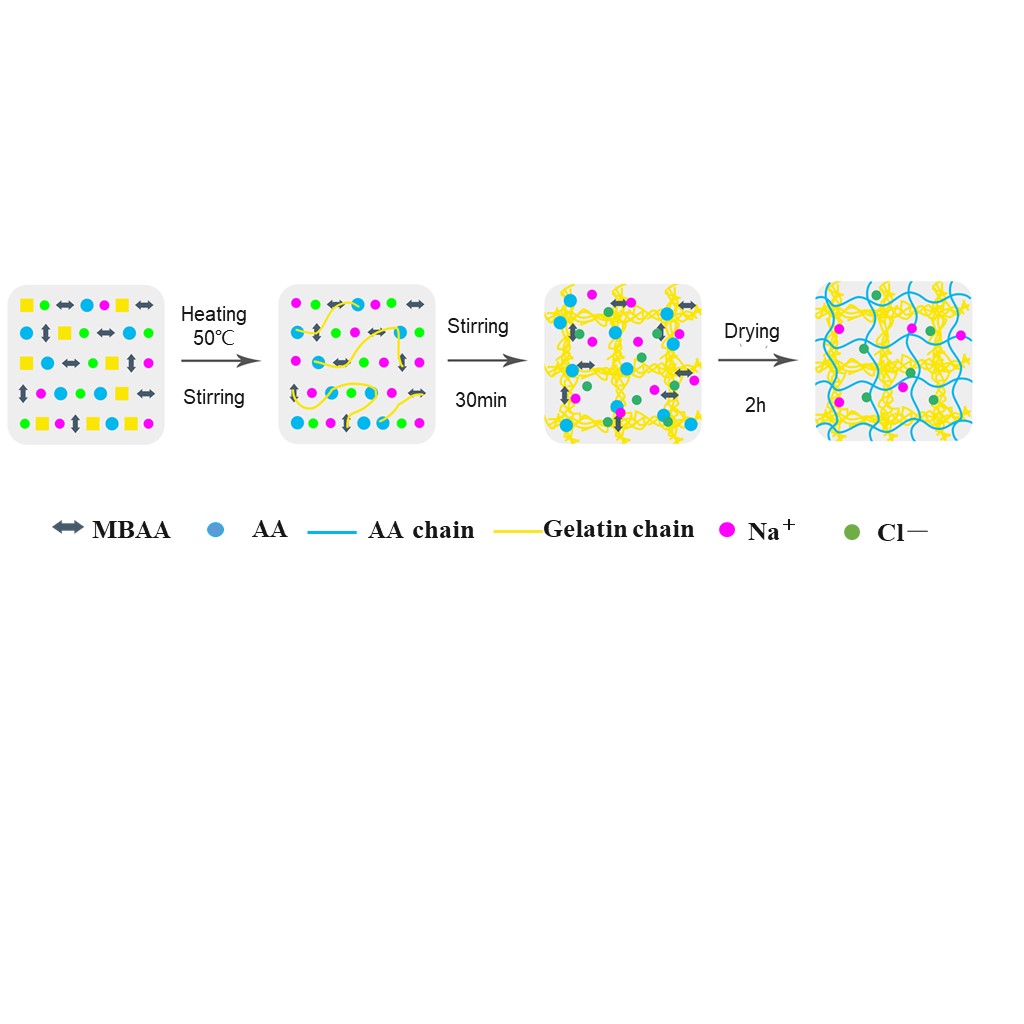
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**Figure S1.** Synthesis route and Formation mechanism of PAA-Gel-NaCl hydrogel.

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Specifically, (1) Prepare 20 ml of NaCl solution with a molar concentration of 4 mol L-1, and stir magnetically until the solution becomes clear. Add 6.0 g AA and 0.003 g MBA to the clear solution, continue stirring for 30 minutes, and then add gelatin with different mass concentrations to obtain hydrogels with different mass concentrations of gelatin. Add 0.0712g APS to the above solution to initiate the reaction. After 30 minutes, filter the mixed solution with a 0.5μm filtration. Finally, transferring the solution to a glass mold with an area of 10cm×10cm，the thickness of 2mm, place it in an oven at 55℃ for 2h to form the hydrogels.

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