

Article

# Increasing Permittivity and Mechanical Harvesting Response of PVDF-Based Flexible Composites by Using Ag Nanoparticles onto BaTiO<sub>3</sub> Nanofillers

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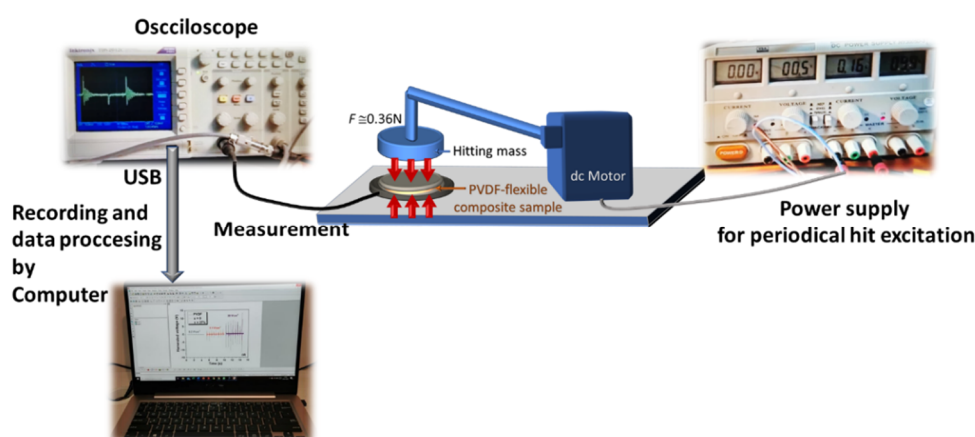
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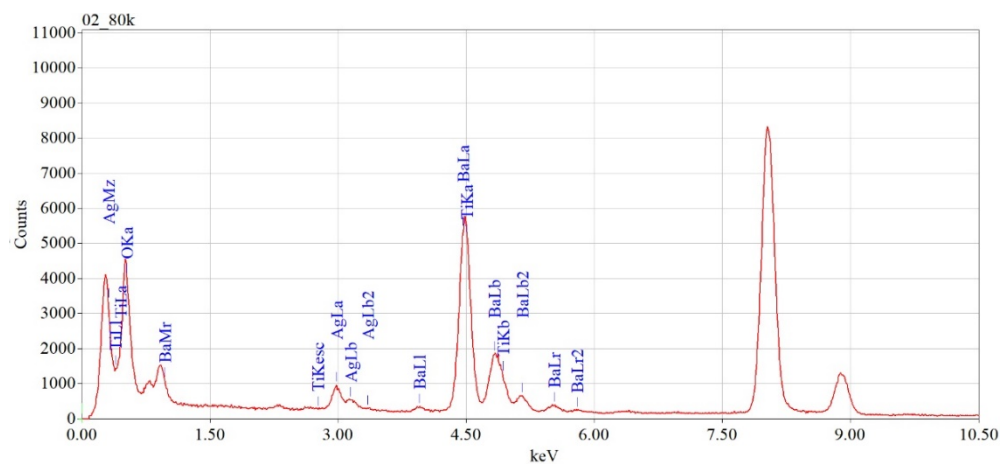


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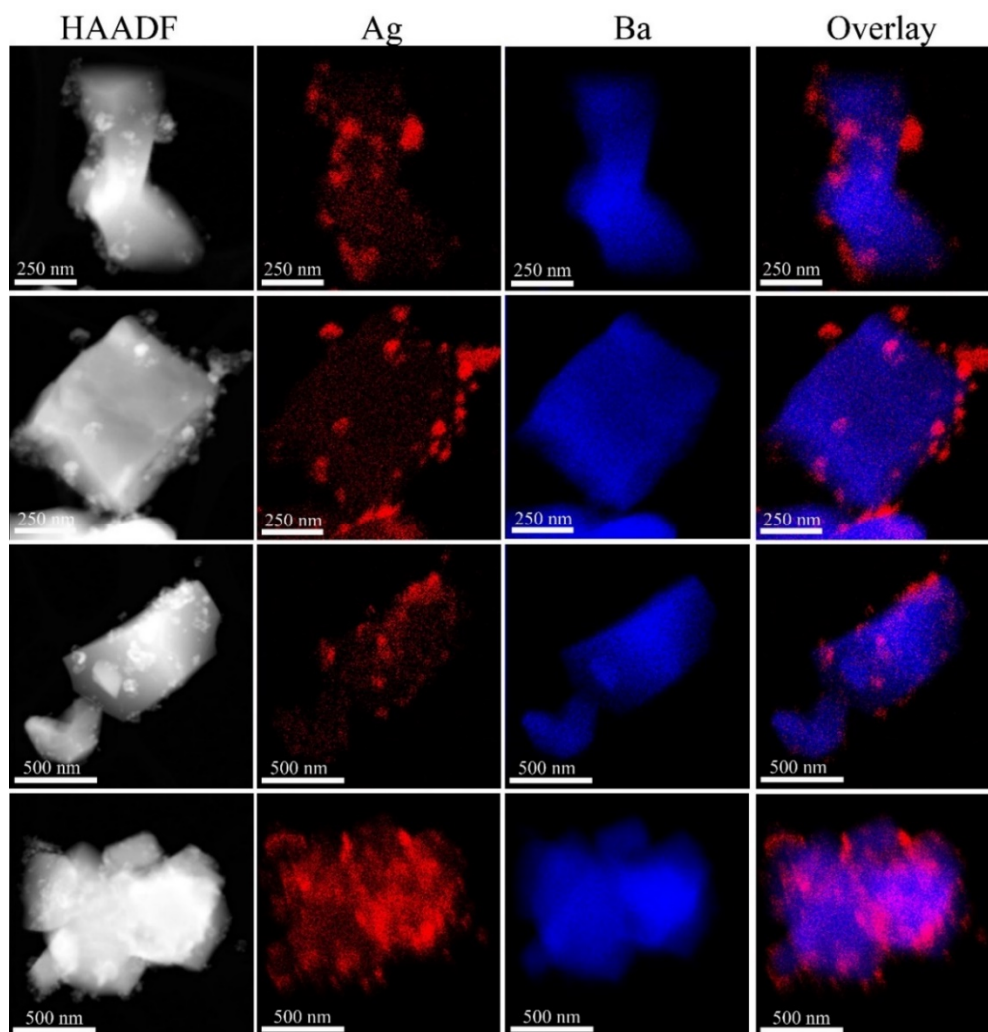
## Supplementary figures



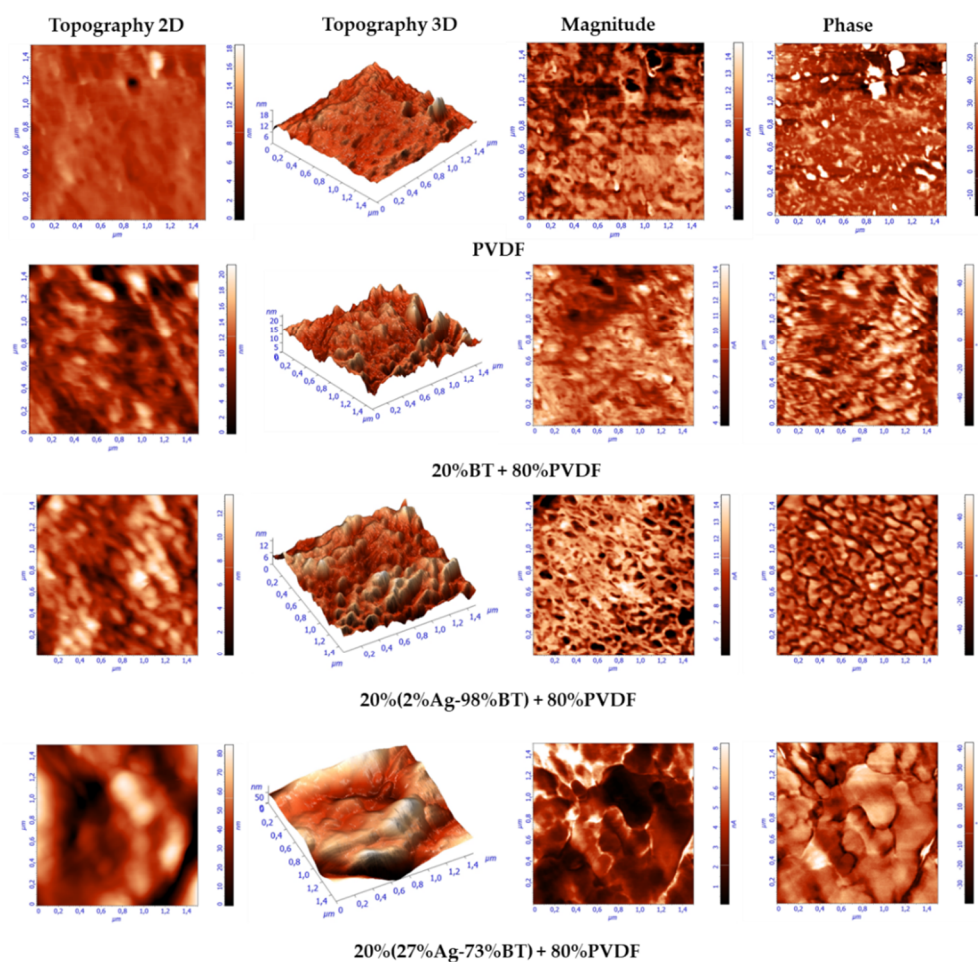
**Figure S1.** Block diagram of the piezoelectric harvesting tester



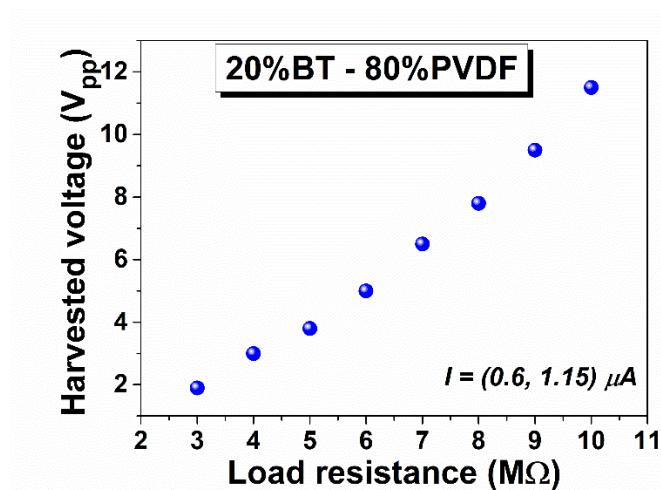
**Figure S2.** Example of an energy dispersive X-ray analysis (EDX) spectrum, collected on hybrid Ag-BaTiO<sub>3</sub> nanoparticles agglomerates.



**Figure S3.** High Angle Annular dark field (HAADF) image and EDX-STEM elemental maps showing the spatial distributions of the Ag and Ba in 2%Ag-98%BT hybrid powders, on some aggregated larger BT grains.



**Figure S4.** Table showing the AFM topography and local piezoelectric contrast for the flexible composites with the indicated compositions.



**Figure S5.** Peak-to-peak harvested voltage for a sample with the composition of 20%BT-80%PVDF in the range of 2-10MΩ.