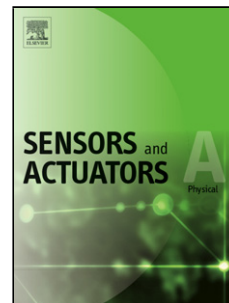


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Antistatic and Dielectric properties of one-dimensional $\text{Al}^{2+}:\text{Nd}_2\text{O}_3$ nanowire doped polyaniline nanocomposites for electronic application

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Highlight

- Polyaniline - $\text{Al}^{2+}:\text{Nd}_2\text{O}_3$ nanocomposites was prepared by in-situ polymerization
- 5 wt % of nanocomposites have less than 2 second static decay time
- DC conductivity of 15 wt % nanocomposite is 0.456 S/cm
- Relation time (τ) is lowest for 15 wt % of 0.045 μs

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