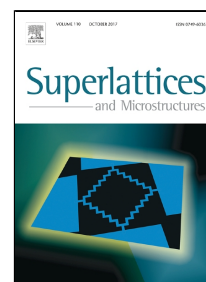


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Negative differential resistance in heterojunction polymeric films

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Highlights of the work

- For the first time, Negative Differential Resistance (NDR) is reported in purely polymeric systems (P3HT/PCBM).
- Simple construction, robust NDR and large current shown by these devices make them potential candidate for the development of organic memory elements.
- Room temperature FWHM of dI/dV curves is comparable or less with that of inorganic devices synthesised earlier.

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