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Spintronics and thermoelectrics in exfoliated and epitaxial graphene

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List of publications

‡ **Large yield production of high mobility freely suspended graphene electronic devices on a polydimethylglutarimide based organic polymer.**

N. Tombros, A. Veligura, J. Junesch, J. J. van den Berg, P. J. Zomer, M. Wojtaszek, I. J. V. Marun, H. T. Jonkman, and B. J. van Wees.

Journal of Applied Physics 109, 093702 (2011).

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Nano Letters 12, 14981502 (2012).

‡ **Spins in epitaxiaal grafeen leven langer.**

J. J. van den Berg, T. Maassen, and B. J. van Wees.

Nederlands Tijdschrift voor Natuurkunde 78, 304-307 (2012).

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T. Maassen, J. J. van den Berg, E. H. Huisman, H. Dijkstra, F. Fromm, T. Seyller, and B. J. van Wees.

Physical Review Letters 110, 067209 (2013).

‡ **Spin transport in graphene nanostructures.**

M. H. D. Guimarães, J. J. van den Berg, I. J. Vera-Marun, P. J. Zomer, and B. J. van Wees.

Physical Review B 90, 235428 (2014).

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Observation of anomalous Hanle spin precession line shapes resulting from interaction with localized states.

J. J. van den Berg, W. Strupinski, and B. J. van Wees.
Physical Review B: Rapid Communications 91, 081403 (2015).

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Nature Communications 7 11525 (2016).

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Hanle precession in the presence of energy dependent coupling between localized states and an epitaxial graphene spin channel.

J. J. van den Berg, A. Kaverzin, and B. J. van Wees.
submitted.