

University of Groningen

## Electron spin transport in graphene and carbon nanotubes

Tombros, Nikolaos

**IMPORTANT NOTE: You are advised to consult the publisher's version (publisher's PDF) if you wish to cite from it. Please check the document version below.**

*Document Version*

Publisher's PDF, also known as Version of record

*Publication date:*

2008

[Link to publication in University of Groningen/UMCG research database](#)

*Citation for published version (APA):*

Tombros, N. (2008). *Electron spin transport in graphene and carbon nanotubes*. s.n.

### Copyright

Other than for strictly personal use, it is not permitted to download or to forward/distribute the text or part of it without the consent of the author(s) and/or copyright holder(s), unless the work is under an open content license (like Creative Commons).

The publication may also be distributed here under the terms of Article 25fa of the Dutch Copyright Act, indicated by the "Taverne" license. More information can be found on the University of Groningen website: <https://www.rug.nl/library/open-access/self-archiving-pure/taverne-amendment>.

### Take-down policy

If you believe that this document breaches copyright please contact us providing details, and we will remove access to the work immediately and investigate your claim.

Downloaded from the University of Groningen/UMCG research database (Pure): <http://www.rug.nl/research/portal>. For technical reasons the number of authors shown on this cover page is limited to 10 maximum.

---

## List of Publications

- A. B. Kuzmenko, N. Tombros, H. J. A. Molegraaf, M. Grueninger, D. van der Marel, S. Uchida. *The c-axis optical sum rule and possible new collective mode in LSCO*, *Phys. Rev. Lett.* **91**, 037004 (2003).
- C. van der Marel, M. A. Verheijen, Y. Tamminga, R. H. W. Pijnenburg, N. Tombros, F. Cubaynes. *Thickness and composition of ultrathin SiO<sub>2</sub> layers on Si*, *Journal of Vacuum Science Technology* **22**, 1572-1578 (2004).
- N. Tombros, S. J. van der Molen, and B. J. van Wees. *Separating spin and charge transport in single-wall carbon nanotubes*, *Phys. Rev. B* **73**, 233403 (2006)
- S. J. van der Molen, N. Tombros, and B. J. van Wees. *Magneto-Coulomb effect in spin-valve devices*, *Phys. Rev. B* **73**, 220406 (2006)
- N. Tombros, C. Jozsa, M. Popinciuc, H. T. Jonkman, B. J. van Wees. *Electronic spin transport and spin precession in single graphene layers at room temperature*, *Nature* **448**, 571-574 (2007).
- N. Tombros, L. Buit, I. Arfaoui, Theodoros Tsoufis, D. Gournis, P. N. Trikalitis, S. J. van der Molen, P. Rudolf, B. J. van Wees. *Electronic measurements on a single superconducting tin nanowire encapsulated in a multiwalled carbon nanotube*, submitted to *Nanoletters*.
- N. Tombros, S. Tanabe, A. Veligura, C. Jozsa, M. Popinciuc, H. T. Jonkman, B. J. van Wees. *Anisotropic spin relaxation in graphene*, submitted to *Phys.*

*Rev. Lett.*

- C. Jozsa, M. Popinciuc, N. Tombros, H. T. Jonkman, B. J. van Wees. *Observation of carrier spin drift in graphene field effect transistors*, submitted to *Phys. Rev. Lett.*
- M. Popinciuc, C. Jozsa, N. Tombros, S. Tanabe, A. Veligura, H. T. Jonkman, B. J. van Wees. *Spin transport in graphene*, in preparation.