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## High frequency spin dynamics in hybrid metallic devices

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# Publications

- M.V. Costache, M. Sladkov, S.M. Watts, C.H. van der Wal and B.J. van Wees.  
*Electrical detection of spin pumping.*  
submitted to Phys. Rev. B.
- M.V. Costache, M. Sladkov, S.M. Watts, C.H. van der Wal and B.J. van Wees.  
*Electrical detection of spin pumping due to the precessing magnetization of a single ferromagnet.*  
Phys. Rev. Lett. **97**, 216603 (2006).
- M.V. Costache, S.M. Watts, M. Sladkov, C.H. van der Wal and B.J. van Wees.  
*Large cone angle magnetization precession of an individual nanopatterned ferromagnet with dc electrical detection.*  
Appl. Phys. Lett. **89**, 232115 (2006).
- M.V. Costache, M. Sladkov, C.H. van der Wal and B.J. van Wees.  
*On-chip detection of ferromagnetic resonance of a single submicron permalloy strip.*  
Appl. Phys. Lett., **89**, 19 (2006). [APL cover image of 06 Nov 2006 issue]
- M.V. Costache, M. Zaffalon, and B.J. van Wees.  
*Spin accumulation probed in multiterminal lateral all-metallic devices.*  
Phys. Rev. B, **74**, 012412 (2006).
- M. Zaffalon, M.V. Costache, and B.J. van Wees.  
*Spin injection and detection in a superconducting island.*  
in preparation.
- J. Grollier, M.V. Costache, C.H. van der Wal, and B.J. van Wees.  
*Microwave spectroscopy on magnetization reversal dynamics of nanomagnets with electronic detection.*  
J. Appl. Phys. **100**, 024316 (2006).

- F.J. Jedema, M.V. Costache, H.B. Heersche, J.J.A. Baselmans, and B.J. van Wees.  
*Electrical detection of spin accumulation and spin precession at room temperature in metallic spin valves.*  
Appl. Phys. Lett. **81**, 5162 (2002).