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Charge and spin transport across graphene and multifunctional oxide interfaces

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List of publications

- 1. Magnetotransport in graphene on BiFeO₃ [Chapter 8]**
S. Chen, O. Paull, N. Valanoor, D. Sando, B. J. van Wees & T. Banerjee
in preparation
- 2. Strain tunable magnetic properties of BiFeO₃ probed by spin Hall magnetoresistance and spin Seebeck effect [Chapter 7]**
S. Chen, B. Xu, O. Paull, Y. Mostafa, P. Zhang, C. Xu, L. Bellaiche, N. Valanoor, D. Sando, B. J. van Wees & T. Banerjee
to be submitted
- 3. Spin Hall magnetoresistance in paramagnetic NdGaO₃**
V. Eswara Phanindra, A. Das, J. J. L. van Rijn, S. Chen, B. J. van Wees, T. Banerjee
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- 4. Unveiling Temperature-Induced Structural Domains and Movement of Oxygen Vacancies in SrTiO₃ with Graphene [Chapter 6]**
S. Chen, X. Chen, E. A. Duijnste, B. Sanyal & T. Banerjee
ACS Appl. Mater. Interfaces, **12**, 52915–52921 (2020)
[doi:10.1021/acami.0c15458]
- 5. Temperature and Electric Field Dependence of Spin Relaxation in Graphene on SrTiO₃ [Chapter 5]**
S. Chen, R. Ruitter, V. Mathkar, B. J. van Wees & T. Banerjee
Phys. Status Solidi RRL, **12**: 1800216 (2018) [doi: 10.1002/pssr.201800216]
- 6. On the impact of competing intra- and intermolecular triplet-state quenching on photobleaching and photoswitching kinetics of organic fluorophores**
J. H. Smit, J. H. M. van der Velde, J. Huang, V. Trauschke, S. S. Henrikus, S. Chen, N. Eleftheriadis, E. M. Warszawik, A. Herrmann & T. Cordes
Phys. Chem. Chem. Phys., **21**, 3721–3733 (2018) [doi:10.1039/c8cp05063e]

