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Engineering complex oxide interfaces for oxide electronics

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List of publications

1. Interface control of electronic transport across the magnetic phase transition in SrRuO₃/SrTiO₃ heterointerface.
S. Roy, C. Autieri, B. Sanyal & T. Banerjee
Sci. Rep. **5**, 15747 (2015).
2. Probing hot electron transport across an epitaxial Schottky interface of SrRuO₃/Nb:SrTiO₃.
S. Roy, A. M. Kamerbeek, K. G. Rana, S. Parui & T. Banerjee.
Appl. Phys. Lett **102**, 192909 (2013).
3. Engineering the interfacial energy profile across non-polar heterointerfaces.
S. Roy, A. Solmaz, J. D. Burton, R. Egoavil, N. Gauquelin, M. Huijben, G. Rijnders, G. Van Tendeloo, Jo Verbeeck, E. Y. Tsymbal & T. Banerjee.
Under review.
4. Role of terminating layer of substrate in electronic transport across BiFeO₃ thin films.
S. Roy, A. Solmaz, M. Huijben, G. Rijnders & T. Banerjee.
In preparation.
5. Novel electronic and magnetic transport properties of CoFeGe thin films.
S. Roy, E. W. Mallon, S. T. Jousma, J. Read, J. Childress & T. Banerjee.
Under review.

