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Growing oxide thin films in a low-energy electron microscope

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List of publications

- A. J. H. van der Torren, H. Yuan, J. Jobst, J. ten Elshof, M. Huijben, A. J. H. M. Rijnders, G. Koster, S. J. van der Molen, and J. Aarts, *Growing a $\text{LaAlO}_3/\text{SrTiO}_3$ heterostructure on $\text{Ca}_2\text{Nb}_3\text{O}_{10}$ nanosheets*, in preparation.
- A. J. H. van der Torren, Z. Liao, C. Xu, N. Gauquelin, C. Yin, J. Aarts, and S. J. van der Molen, *Finding signatures of the conducting $\text{LaAlO}_3/\text{SrTiO}_3$ interface at the growth temperature by electron reflection*, in preparation.
- A. J. H. van der Torren, S. J. van der Molen, and J. Aarts, *Imaging pulsed laser deposition growth of homo-epitaxial SrTiO_3 by Low-Energy Electron Microscopy*, Nanotechnology (2016), accepted.
- J. Jobst, A. J. H. van der Torren, E. E. Krasovskii, J. Balgley, C. R. Dean, R. M. Tromp, and S. J. van der Molen, *Quantifying Electronic Band Interactions in Graphene, Hexagonal Boron Nitride and their Heterostructures*, Nature Communications (2016), accepted.
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- G. Mattoni, P. Zubko, F. Maccherozzi, A. J. H. van der Torren, D. B. Boltje, M. Hadjimichael, N. Manca, S. Catalano, M. Gibert, Y. Liu, J. Aarts, J.-M. Triscone, S. S. Dhesi, and A. D. Caviglia, *Striped nanoscale phase separation at the metal-insulator transition of heteroepitaxial nickelates*, Nature Communications (2016), accepted.
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