Spectroscopic characterization of local valence change processes in resistively switching complex oxides

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## Contents

1 Introduction 1

2 Background 5
   2.1 Fundamentals of SrTiO$_3$ 5
   2.2 Electronic transport 8
   2.3 Resistive switching in SrTiO$_3$ 12

3 Experimental methods 21
   3.1 Pulsed laser deposition 21
   3.2 Device fabrication and electrical characterization 25
   3.3 X-ray absorption spectroscopy 28
   3.4 Photoemission electron spectroscopy 30
   3.5 Photoemission electron microscopy 31

4 Spectroscopic signatures of SrTiO$_3$: the influence of doping and non-stoichiometry 37
   4.1 X-ray absorption signature of SrTiO$_3$ 37
      4.1.1 Titanium L-edge 38
      4.1.2 Oxygen K-edge 40
   4.2 X-ray photoelectron spectroscopy of SrTiO$_3$ single crystals and thin films 44
      4.2.1 Analytical consideration 45
      4.2.2 Termination determination in SrTiO$_3$ single crystals 47
      4.2.3 Termination conversion during SrTiO$_3$ thin film deposition 50
      4.2.4 Deviations from the point defect model 53
   4.3 Summary 57

5 Resistive switching and retention in SrTiO$_3$ thin film devices 59
   5.1 General switching characteristics and dependence on current compliance 59
8.3 The switching mechanism of eightwise resistive switching in oxide heterostructures ................................. 157

9 Conclusions and Outlook ........................................ 165

A Appendix: Fabrication details .................................. 171

List of Abbreviations ............................................... 177

Bibliography ......................................................... 179
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