

Abstract Submitted
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Structure and magnetism of oxygen-deficient SrTiO₃ surface SOHAM GHOSH, EFSTRATIOS MANOUSAKIS, Florida State Univ — Using density functional theory within a fully relaxed spin generalized gradient approximation we have investigated the structural, electronic and magnetic properties of the oxygen-deficient STO surface. We also study the role of the Rashba interaction to explain the observed momentum-spin correlations by spin and angle resolved photoemission spectroscopy.

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