

Cover Page



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**Author:** Atesci, H.

**Title:** Towards an ab-axis giant proximity effect using ionic liquid gating

**Issue Date:** 2018-09-12

Towards an *ab*-axis giant proximity effect  
using ionic liquid gating



# Towards an *ab*-axis giant proximity effect using ionic liquid gating

Proefschrift

ter verkrijging van  
de graad van Doctor aan de Universiteit Leiden,  
op gezag van Rector Magnificus prof. mr. C.J.J.M. Stolker,  
volgens besluit van het College voor Promoties  
te verdedigen op woensdag 12 september 2018  
klokke 13.45 uur

door

Hasan Ateşçi

geboren te Almelo

in 1990

Promotores: Prof. dr. J.M. Van Ruitenbeek  
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Casimir PhD series, Delft-Leiden 2018-09

ISBN 978-90-8593-357-1

An electronic version of this thesis can be found at

<https://openaccess.leidenuniv.nl>

This work is part of the research program with project number 12PR3047, which is financed by the Netherlands Organization for Scientific Research (NWO). The research of this thesis was performed at Leiden University and MESA + Research Institute of the University of Twente.

The cover image aims to summarize the ionic liquid gating performed on cuprates. The droplet in the background represents the ionic liquid. *N,N*-diethyl-*N*-(2-methoxyethyl)-*N*-methylammonium (DEME) cations and bis(trifluoromethanesulfonyl)imide (TFSI) anions. The ions are located just above the atomic terraces of a  $\text{La}_{2-x}\text{Sr}_x\text{CuO}_4$  crystal.

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