

## Publications of M. A. Skvortsov

2012-2016

1. D. A. Ivanov, M. A. Skvortsov, P. M. Ostrovsky, Ya. V. Fominov, *Hybridization of wave functions in one-dimensional localization*, [Phys. Rev. B \*\*85\*\*, 035109 \(2012\)](#).
2. M. V. Feigel'man, M. A. Skvortsov, *Universal Broadening of the BCS Coherence Peak of Disordered Superconducting Films*, [Phys. Rev. Lett. \*\*109\*\*, 147002 \(2012\)](#).
3. M. Serbyn, M. A. Skvortsov, *Onset of superconductivity in a voltage-biased normal-superconducting-normal microbridge*, *Phys. Rev. B* **87**, 020501 (2013).
4. M. A. Skvortsov, P. M. Ostrovsky, D. A. Ivanov, Ya. V. Fominov, *Superconducting proximity effect in quantum wires without time-reversal symmetry*, [Phys. Rev. B \*\*87\*\*, 104502 \(2013\)](#)
5. M. A. Skvortsov, M. V. Feigel'man, *Subgap states in disordered superconductors*, [ZhETF \*\*144\*\*, 560 \(2013\)](#) [[JETP \*\*117\*\*, 487 \(2013\)](#)].
6. D. A. Ivanov, P. M. Ostrovsky, M. A. Skvortsov, *Anderson localization of a Majorana fermion*, [Europhys. Lett. \*\*106\*\*, 37006 \(2014\)](#).
7. P. M. Ostrovsky, I. V. Protopopov, E. J. König, I. V. Gornyi, A. D. Mirlin, M. A. Skvortsov, *Density of states in a two-dimensional chiral metal with vacancies*, [Phys. Rev. Lett. \*\*113\*\*, 186803 \(2014\)](#).
8. M. Eltschka, B. Jäck, M. Assig, O. V. Kondrashov, M. A. Skvortsov, M. Etzkorn, C. R. Ast, K. Kern, *Probing Absolute Spin Polarization at the Nanoscale*, [Nano Lett. \*\*14\*\*, 7171 \(2014\)](#).
9. M. Eltschka, B. Jäck, M. Assig, O. V. Kondrashov, M. A. Skvortsov, M. Etzkorn, C. R. Ast, K. Kern, *Superconducting scanning tunneling microscopy tips in a magnetic field: Geometry-controlled order of the phase transition*, [Appl. Phys. Lett. \*\*107\*\*, 122601 \(2015\)](#).
10. D. S. Antonenko, M. A. Skvortsov, *Quantum decay of the supercurrent and intrinsic capacitance of Josephson junctions beyond the tunnel limit*, [Phys. Rev. B \*\*92\*\*, 214513 \(2015\)](#).
11. E. Khalaf, M. A. Skvortsov, P. M. Ostrovsky, *Semiclassical electron transport at the edge of a 2D topological insulator: Interplay of protected and unprotected modes*, [Phys. Rev. B \*\*93\*\*, 125405 \(2016\)](#).
12. Ya. V. Fominov, M. A. Skvortsov, *Subgap states in disordered superconductors with strong magnetic impurities*, [Phys. Rev. B \*\*93\*\*, 144511 \(2016\)](#).
13. V. A. Kozii, M. A. Skvortsov, *Energy relaxation rate and its mesoscopic fluctuations in quantum dots*, [Ann. Phys. \*\*371\*\*, 20 \(2016\)](#).