

# List of publications

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309 peer-review journal papers, 8 preprints, and a total of 90+ other scientific contributions, including 4 US patents.

## Publications in international peer-review journals (indexed in ISI Web of Science):

- [1] **N.A. Mortensen**, K. Flensberg, and A.-P. Jauho, “Angle dependence of Andreev scattering at semiconductor-superconductor interfaces”, [\*Phys. Rev. B\* \*\*59\*\*, 10176 \(1999\).](#)
- [2] **N.A. Mortensen**, A.-P. Jauho, K. Flensberg, and H. Schomerus, “Conductance enhancement in quantum point contact-semiconductor-superconductor devices”, [\*Phys. Rev. B\* \*\*60\*\*, 13762 \(1999\).](#)
- [3] **N.A. Mortensen**, K. Johnsen, A.-P. Jauho, and K. Flensberg, “Contact resistance of quantum tubes”, [\*Superlattice Microst.\* \*\*26\*\*, 351 \(1999\).](#)
- [4] **N.A. Mortensen**, A.-P. Jauho, and K. Flensberg, “Dephasing in semiconductor-superconductor structures by coupling to a voltage probe”, [\*Superlattice Microstr.\* \*\*28\*\*, 67 \(2000\).](#)
- [5] J. Erland, V. Mizeikis, W. Langbein, J.R. Jensen, **N.A. Mortensen**, and J.M. Hvam, “Seeding of Polariton Stimulation in a Homogeneously Broadened Microcavity”, [\*Phys. Stat. Sol. \(b\)\* \*\*221\*\*, 115 \(2000\).](#)
- [6] **N.A. Mortensen** and G. Bastian, “Side-gate modulation of critical current in mesoscopic Josephson junction”, [\*Superlattice Microstr.\* \*\*28\*\*, 231 \(2000\).](#)
- [7] **N.A. Mortensen**, H.M. Rønnow, H. Bruus, and P. Hedegård, “The magnetic neutron scattering resonance of high-Tc superconductors in external magnetic fields: an SO(5) study”, [\*Phys. Rev. B\* \*\*62\*\*, 8703 \(2000\).](#)
- [8] **N.A. Mortensen**, K. Flensberg, and A.-P. Jauho, “Coulomb Drag in Coherent Mesoscopic Systems”, [\*Phys. Rev. Lett.\* \*\*86\*\*, 1841 \(2001\).](#)
- [9] M. Titov, **N.A. Mortensen**, H. Schomerus, and C.W.J. Beenakker, “Andreev levels in a single-channel conductor”, [\*Phys. Rev. B\* \*\*64\*\*, 134206 \(2001\).](#)
- [10] K. Flensberg, T.S. Jensen, and **N.A. Mortensen**, “Diffusion equation and spin drag in spin-polarized transport”, [\*Phys. Rev. B\* \*\*64\*\*, 245308 \(2001\).](#)
- [11] **N.A. Mortensen**, K. Flensberg, and A.-P. Jauho, “Mesoscopic fluctuations of Coulomb drag between quasi-ballistic one-dimensional wires”, [\*Phys. Rev. B\* \*\*65\*\*, 85317 \(2002\).](#)
- [12] **N.A. Mortensen**, “Effective area of photonic crystal fibers”, [\*Opt. Express\* \*\*10\*\*, 341 \(2002\).](#)
- [13] **N.A. Mortensen** and J.R. Folkenberg, “Near-field to far-field transition of photonic crystal fibers: symmetries and interference phenomena”, [\*Opt. Express\* \*\*10\*\*, 475 \(2002\).](#)
- [14] **N.A. Mortensen**, J.R. Folkenberg, P.M.W. Skovgaard, and J. Broeng, “Numerical Aperture of Single-Mode Photonic Crystal Fibers”, [\*IEEE Photonic Technol. Lett.\* \*\*14\*\*, 1094 \(2002\).](#)
- [15] **N.A. Mortensen** and J.C. Egues, “Universal spin-polarization fluctuations in 1D wires with magnetic impurities”, [\*Phys. Rev. B\* \*\*66\*\*, 153306 \(2002\).](#)
- [16] **N.A. Mortensen**, K. Flensberg, and A.-P. Jauho, “Coulomb drag in the mesoscopic regime”, [\*Phys. Scripta\* \*\*T101\*\*, 177 \(2002\).](#)
- [17] **N.A. Mortensen**, M.D. Nielsen, J.R. Folkenberg, A. Petersson, and H.R. Simonsen, “Improved large-mode area endlessly single-mode photonic crystal fibers”, [\*Opt. Lett.\* \*\*28\*\*, 393 \(2003\).](#)
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