

List of publications

[See www.mortensen-lab.org for an updated publication list]

225 peer-review journal papers, 5 preprints, and a total of 90+ other scientific contributions, including 2 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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- [20] **N.A. Mortensen**, M. Stach, J. Broeng, A. Petersson, H.R. Simonsen, and R. Michalzik, “Multi-mode photonic crystal fibers for VCSEL based data transmission”, [Opt. Express **11**, 1953 \(2003\)](#).
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