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Lista publikacji

- październik 2011

I. Prace oryginalne (rozdziały w książkach zbiorowych, artykuły w czasopismach):

1. **Nowak M. P.**, Szafran B., Peeters F. M., Partoens B., Pasek W., 2011, ***Tuning of the spin-orbit interaction in a quantum dot by an in-plane magnetic field***, *Physical Review B* 83: 245324.

2. **Nowak M. P.**, Szafran B., 2011, ***Singlet-triplet avoided crossings and effective g-factor versus spatial orientation of spin-orbit-coupled quantum dots***, *Physical Review B* 83: 035315.

3. **Nowak M. P.**, Szafran B., 2010, ***Time-dependent configuration-interaction simulations of spin swap in spin-orbit-coupled double quantum dots***, *Physical Review B* 82: 165316.

4. **Nowak M. P.**, Szafran B., 2010, ***Coupling of bonding and antibonding electron orbitals in double quantum dots by spin-orbit interaction***, *Physical Review B* 81: 235311.

5. **Nowak M. P.**, Szafran B., 2009, ***Spin-orbit coupling effects in two-dimensional circular quantum rings: Elliptical deformation of confined electron density***, *Physical Review B* 80: 195319.

6. Szafran B., **Nowak M. P.**, Bednarek S., Chwiej T., Peeters F. M., 2009, ***Selective suppression of Dresselhaus or Rashba spin-orbit coupling effects by the Zeeman interaction in quantum dots***, *Physical Review B* 79: 235303.

7. **Nowak M. P.** , Szafran B., Peeters F. M., 2008, ***Manipulation of two-electron states by the electric field in stacked self-assembled dots***, *Journal of Physics: Condensed Matter* 20: 395225.

II. Prace pokonferencyjne i doniesienia zjazdowe:

1. **Nowak M. P.**, Szafran B., Peeters F. M., Partoens B., 2011, ***Spin-orbit coupling anisotropy and avoided-crossings in energy spectra of a quantum dot in an in-plane magnetic field***, Book of Abstracts: Spintech, 6th International School and Conference on Spintronics and Quantum Information Technology, Matsue, Japan.

2. **Nowak M. P.**, Szafran B., 2010, ***Time Dependent Configuration Interaction Study of Anisotropic Spin Exchange in Laterally Coupled Quantum Dots***, Book of Abstracts: XXXIC "Jaszowiec" International School and Conference on the Physics of Semiconductors, Krynica Zdrój, Poland.

3. **Nowak M. P.**, Szafran B., Bednarek S., Chwiej T., Peeters. F. M., 2009, ***Purification of the spin-orbit coupling type by the Zeeman effect in quantum dots***, Book of Abstracts: Spintech, 5th International School and Conference on Spintronics and Quantum Information, Kraków, Poland.