Maciej Misiorny

Lista publikacji

- październik 2011

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

1. **Misiorny M.**, Weymann I., Barnaś J., 2011, ***Influence of magnetic anisotropy on the Kondo effect and spin-polarized transport through magnetic molecules, adatoms, and quantum dots***, *Physical Review B* 84(3): 035445: 1-13.

2. **Misiorny M.**, Weymann I., Barnaś J., 2011, ***Interplay of the Kondo effect and spin-polarized transport in magnetic molecules, adatoms, and quantum dots***, *Physical Review Letters* 106(12): 126602: 1-4.

3. **Misiorny M.**, Weymann I., Barnaś J., 2010, ***Spin diode behavior in transport through single-molecule magnets***, *Europhysics Letters* 89(1): 18003: 1-6.

4. **Misiorny M.**, Weymann I., Barnaś J., 2009, ***Spin effects in transport through single-molecule magnets in the sequential and cotunneling regimes***, *Physical Review B* 79(22): 224420: 1-14.

5. **Misiorny M.**, Barnaś J., 2009, ***Current-induced switching of a single magnetic molecule with an arbitrary orientation of the magnetic easy axis***, *Solid State Sciences* 11(4): 772-777.

6. **Misiorny M.**, Barnaś J., 2008, ***Effects of intrinsic spin-relaxation in molecular magnets on current-induced magnetic switching***, *Physical Review B* 77(17): 172414: 1-4.

7. **Misiorny M.**, Barnaś J., 2007, ***Spin polarized transport through a single-molecule magnet: Current-induced magnetic switching***, *Physical Review B* 76(5): 054448: 1-5.

8. **Misiorny M.**, Barnaś J., 2007, ***Magnetic switching of a single molecular magnet due to spin-polarized current***, *Physical Review B* 75(13): 134425: 1-5.

9. **Misiorny M.**, Barnaś J., 2007, ***Quantum tunneling of magnetization in single molecular magnets coupled to ferromagnetic reservoirs***, *Europhysics Letters* 78(2): 27003: 1-5.

II. Prace przeglądowe (raporty, suplementy, recenzje naukowe, opracowania źródłowe):

1. **Misiorny M.**, Barnaś J., 2009, ***Switching of molecular magnets***, *Physica Status Solidi B* 246(4): 695-715.

III. Prace pokonferencyjne i doniesienia zjazdowe:

1. **Misiorny M.**, Weymann I., Barnaś J., 2011, ***Interplay of the Kondo effect and spin-polarized transport in nanoscopic systems with uniaxial magnetic anisotropy***, *Journal of Applied Physics* 109(7): 07C732: 1-3.

2. **Misiorny M.**, Weymann I., Barnaś J., 2010, ***Current-induced magnetic switching of an arbitrary oriented single-molecule magnet in the cotunneling regime***, *Journal of Magnetism and Magnetic Materials* 332(9-12): 1265-1268.

3. **Misiorny M.**, Barnaś J., 2008, ***Dynamics of current-induced magnetic switching of a single-molecule magnet***, *IEEE Transactions on Magnetics* 44(11): 2523-2526.

4. Barnaś J., Gmitra M., **Misiorny M.**, Dugaev V. K., Kunert H. W., 2008, ***Current-induced magnetic switching and dynamics in spin valves***, *Journal of Non-Crystalline Solids* 354(35-39): 4181-4185.

5. Barnaś J., Gmitra M., **Misiorny M.**, Dugaev V. K., 2007, ***Current-induced switching in spin-valve structures****, Physica Status Solidi B* 244(7): 2304-2310.

6. **Misiorny M.**, Barnaś J., 2007, ***Current-induced switching of a single-molecule magnet with an arbitrary oriented easy axis***, *Materials Science – Poland* 25(4): 1235-1241.

7. **Misiorny M.**, Barnaś J., 2007, ***Spin reversal processes in a single molecular magnet between two ferromagnetic leads***, *Materials Science – Poland* 25(2): 505-511.

IV. Prace popularnonaukowe:

1. Grünberg P., 2009, ***Od fal spinowych do gigantycznego magnetooporu (GMR) i dalej***, *Postępy Fizyki* 60(2): 55-66 (tłumaczenie z języka angielskiego wykładu noblowskiego wygłoszonego 8 grudnia 2007r. w Sztokholmie).