

Mateusz Goryca

Lista publikacji
z dnia 30 października 2010

Publikacje w periodykach o zasięgu międzynarodowym

1. **Goryca M.**, Płochocka P., Kazimierczuk T., Wojnar P., Karczewski G., Gaj J. A., Potemski M., Kossacki P., 2010, **Brightening of dark excitons in a single CdTe quantum dot containing a single Mn²⁺ ion**, *Physical Review B* 82: 165323
2. Kłopotowski Ł., **Goryca M.**, Kazimierczuk T., Kossacki P., Wojnar P., Karczewski G., Wojtowicz T., 2010, **Dynamics of charge leakage from self-assembled CdTe quantum dots**, *Applied Physics Letters* 96: 201905
3. Kazimierczuk T., **Goryca M.**, Koperski M., Golnik A., Gaj J. A., Nawrocki M., Wojnar P., Kossacki P., 2010, **Picosecond charge variation of quantum dots under pulsed excitation**, *Physical Review B* 81: 155313
4. **Goryca M.**, Kazimierczuk T., Nawrocki M., Golnik A., Gaj J. A., Kossacki P., Wojnar P., Karczewski G., 2009, **Optical Manipulation of a Single Mn Spin in a CdTe-Based Quantum Dot**, *Physical Review Letters* 103: 087401
5. Lipińska A., Simserides C., Trohidou K. N., **Goryca M.**, Kossacki P., Majhofer A., Dietl T., 2009, **Ferromagnetic properties of p-(Cd,Mn)Te quantum wells: Interpretation of magneto-optical measurements by Monte Carlo simulations**, *Physical Review B* 79: 235322
6. **Goryca M.**, Ferrand D., Kossacki P., Nawrocki M., Pacuski W., Maślana W., Gaj J. A., Tatarenko S., Cibert J., Wojtowicz T., Karczewski G., 2009, **Magnetization Dynamics Down to a Zero Field in Dilute (Cd,Mn)Te Quantum Wells**, *Physical Review Letters* 102: 046408
7. **Goryca M.**, Kossacki P., Nawrocki M., Wojnar P., Karczewski G., 2008, **Nanosecond spin dynamics in (Cd,Mn)Te quantum dots and quantum wells**, *Journal of the Korean Physical Society* 53: 2963-2966
8. Suffczyński J., Kowalik K., Kazimierczuk T., Trajnerowicz A., **Goryca M.**, Kossacki P., Golnik A., Nawrocki M., Gaj J. A., 2008, **Single-spin optical read-out in CdTe/ZnTe quantum dot studied by photon correlation spectroscopy**, *Physical Review B* 77: 245306
9. Suffczyński J., Kazimierczuk T., **Goryca M.**, Piechal B., Trajnerowicz A., Kowalik K., Kossacki P., Golnik A., Korona K., Nawrocki M., Gaj J. A., 2006, **Excitation mechanisms of individual CdTe/ZnTe quantum dots studied by photon correlation spectroscopy**, *Physical Review B* 74: 085319
10. **Goryca M.**, Ferrand D., Kossacki P., Nawrocki M., Pacuski W., Maślana W., Tatarenko S., Cibert J., 2006, **Magnetization dynamics in (Cd,Mn)Te quantum wells**, *Physica Status Solidi (b)* 243: 882-886
11. **Goryca M.**, Kazimierczuk T., Nawrocki M., Golnik A., Gaj J. A., Wojnar P., Karczewski G., Kossacki P., 2010, **Optical manipulation of a single Mn spin in a CdTe quantum dot**, *Physica E* 42: 2690
12. **Goryca M.**, 2010, **Manipulation of a single Mn spin using excitation transfer between two coupled CdTe/ZnTe quantum dots**, *Proceedings of SPIE The International Society for Optical Engineering* 7600: 76001N
13. Kłopotowski Ł., **Goryca M.**, Kossacki P., Kudelski A., Krebs O., Wojnar P., Wojtowicz T., Karczewski G., 2010, **Charge storage in self-assembled CdTe quantum dots**, *Journal of Physics: Conference Series* 210: 012007
14. **Goryca M.**, Kossacki P., Golnik A., Kazimierczuk T., Wojnar P., Nawrocki M., 2010, **Spin Dynamics of a Single Mn Ion in a CdTe/(Cd, Mg, Zn)Te Quantum Dot**, *AIP Conf. Proc.* 1199: 453
15. Kazimierczuk T., **Goryca M.**, Koperski M., Nowak S., Wojnar P., Golnik A., Gaj J. A., Kossacki P., 2010, **Excitation Dynamics of CdTe/ZnTe Quantum Dots Studied in Picosecond Timescale**, *AIP Conf. Proc.* 1199: 305
16. Kobak J., **Goryca M.**, Kossacki P., Golnik A., Karczewski G., Wojtowicz T., Gaj J. A., 2009, **Magnetization dynamics of (Cd,Mn)Te quantum well in pulsed magnetic field**, *Acta Physica Polonica A* 116: 907
17. Papierska J., **Goryca M.**, Wojnar P., Kossacki P., 2009, **Temperature of a Single Mn Atom in a CdTe Quantum Dot**, *Acta Physica Polonica A* 116: 899

18. Koperski M., Kazimierczuk T., **Goryca M.**, Wojnar P., Golnik A., Kossacki P., Gaj J. A., 2009, **Numerical rate equation approach to picosecond charge state dynamics in CdTe/ZnTe quantum dots**, *Acta Physica Polonica A* 116: 893
19. Nowak S., Jakubczyk T., **Goryca M.**, Ciosmak P., Golnik A., Kossacki P., Wojnar P., Gaj J. A., 2009, **Emission of Self-Assembled CdTe/ZnTe Quantum Dot Samples with Different Cap Thickness**, *Acta Physica Polonica A* 116: 890
20. Kazimierczuk T., Golnik A., **Goryca M.**, Wojnar P., Gaj J. A., Kossacki P., 2009, **Influence of anisotropic electron-hole exchange on higher excited states of CdTe/ZnTe quantum dots**, *Acta Physica Polonica A* 116: 882
21. Gaj J. A., Kazimierczuk T., **Goryca M.**, Koperski M., Golnik A., Kossacki P., Nawrocki M., Wojnar P., Karczewski G., 2009, **Spin-related Spectroscopy of CdTe-based Quantum Dots**, *Acta Physica Polonica A* 116: 795
22. **Goryca M.**, 2009, **Magnetization dynamics down to zero field in dilute (Cd,Mn)Te quantum wells**, *Proceedings of SPIE The International Society for Optical Engineering* 7398: 739807
23. Nowak S., **Goryca M.**, Kazimierczuk T., Gaj J. A., Golnik A., Kossacki P., Wojnar P., Karczewski G., 2008, **Single-Photon Emission from a Highly Excited CdTe Quantum Dot**, *Acta Physica Polonica A* 114: 1273-1278
24. Nowak S., Suffczyński J., **Goryca M.**, Kossacki P., Gaj J. A., Lee S., Furdyna J., 2008, **Influence of Growth Break before Capping on Photoluminescence Dynamics of CdSe/ZnSe Self-Assembled Quantum Dots**, *Acta Physica Polonica A* 114: 1267-1271
25. **Goryca M.**, Ferrand D., Kossacki P., Nawrocki M., Pacuski W., Masłana W., Tatarenko S., Wojtowicz T., Karczewski G., Cibert J., 2007, **Influence of carriers on magnetization relaxation in (Cd,Mn)Te quantum wells**, *Physica Status Solidi (c)* 4: 307-310
26. Gaj J. A., Cibert J., Golnik A., **Goryca M.**, Janik E., Kazimierczuk T., Kłopotowski Ł., Kossacki P., Kossuth J., Kowalik K., Krebs O., Lemaitre A., Maćkowski S., Małłana W., Nawrocki M., Płochocka P., Piecha B., Selenart P., Suffczyński J., Latarenko S., Voisin P., 2007, **Semiconductor heterostructures for spintronics and quantum information**, *Comptes Rendus Physique* 8: 243-252
27. Suffczyński J., Kazimierczuk T., **Goryca M.**, Piechal B., Trajnerowicz A., Kowalik K., Kossacki P., Golnik A., Korona K., Nawrocki M., Gaj J. A., Karczewski G., 2007, **Spin-dependent dynamics of individual CdTe/ZnTe quantum dot states studied by correlation spectroscopy**, *Proceedings of SPIE The International Society for Optical Engineering* 64710F
28. **Goryca M.**, Kossacki P., Ferrand D., Nawrocki M., Pacuski W., Małłana W., Tatarenko S., Cibert J., 2007, **Anisotropy dependent relaxation dynamics of magnetization in (Cd,Mn)Te quantum wells**, *Physica Status Solidi (c)* 3: 4094-4097
29. Suffczyński J., Kowalik K., Trajnerowicz A., Kazimierczuk T., **Goryca M.**, Kossacki P., Golnik A., Nawrocki M., Gaj J. A., Karczewski G., 2007, **Polarization Dependent Correlations of Single Photons from CdTe/ZnTe Quantum Dots**, *AIP Conference Proceedings* 893: 1089-1090
30. Suffczyński J., Kazimierczuk T., **Goryca M.**, Trajnerowicz A., Kowalik K., Kossacki P., Golnik A., Nawrocki M., Gaj J. A., Karczewski G., 2006, **Single photon correlation measurements in a study of excitation process of individual CdTe/ZnTe quantum dots**, *Physica Status Solidi (c)* 3: 3802-3805
31. Kossacki P., Ferrand D., **Goryca M.**, Nawrocki M., Pacuski W., Małłana W., Tatarenko S., Cibert J., 2006, **Relaxation dynamics of ferromagnetic domains in (Cd,Mn)Te quantum wells**, *Physica E* 32: 454-457
32. Gaj J. A., Cibert J., Ferrand D., Golnik A., **Goryca M.**, Karczewski G., Kossacki P., Kossut J., Kowalik K., Krebs O., Kudelski A., Kutrowski M., Lemaitre A., Małłana W., Nawrocki M., Pacuski W., Płochocka P., Senellart P., Tatarenko S., Voisin P., Wojtowicz T., 2006, **Optical probing of spin-dependent interactions in II-VI semiconductor structures**, *Physica Status Solidi (b)* 243: 906-913
33. Piechal B., Suffczyński J., Trajnerowicz A., **Goryca M.**, Kossacki P., Golnik A., Gaj J. A., 2005, **Long decays of excitonic photoluminescence from single quantum dots**, *Acta Physica Polonica A* 108: 831-836