Katarzyna Roszak

Lista publikacji
z dnia 30 października 2010

Książki i monografie

1. Grodecka A., Jacak L., Machnikowski P., **Roszak K.**, ***Phonon impact on the coherent control of quantum states in semiconductor quantum dots***, **[w:]** ***Quantum Dots: Research Developments***, Ling P. A., Nova Science Publishers, 2005: 47-88

Publikacje w czasopismach

1. **Roszak K.**, Horodecki P., Horodecki R., 2010, ***Sudden death of effective entanglement***, *Phys. Rev.* A 81: 042308
2. **Roszak K**., Machnikowski P., 2009, ***Phonon-induced dephasing of singlet-triplet superpositions in double quantum dots without spin-orbit coupling***, *Phys. Rev.* B 80: 195315
3. Machnikowski P., **Roszak K.**, Sitek A., 2009, ***Collective Luminescence and Phonon Induced Processes in Double Quantum Dots***, *Acta Phys. Pol.* 116: 818
4. Marcinowski Ł., **Roszak K.**, Machnikowski P., 2009, ***Singlet-Triplet Dephasing in Asymmetric Quantum Dot Molecules***, *Acta Phys. Pol.* 116: 874
5. **Roszak K.**, Machnikowski P., 2009, ***Phonon Induced Pure Dephasing of Two Electron. Spin States in Vertical Quantum Dot Molecules***, *Acta Phys. Pol.* 116: 877
6. **Roszak K.**, Machnikowski P., Axt V. M., Kuhn T., 2009, ***Exciton spin decay in quantum dots: single and double phonon assisted transitions***, *Phys. Stat. Sol.* (c)6: 537
7. **Roszak K.**, Machnikowski P., Axt V. M., Kuhn T., 2008, ***One and Two Phonon Assisted Transitions between Exciton Spin States in a Quantum Dot***, *Acta Phys. Pol.* 114: 1329
8. **Roszak K.**, Axt V. M., Kuhn T., Machnikowski P., 2007, ***Exciton spin decay in quantum dots to bright and dark states***, *Phys. Rev. B* 76: 195324
9. **Roszak K.**, Machnikowski P., Jacak L., 2007, ***Decay of entanglement due to pure dephasing: the role of geometry of entangled states***, *Open Sys. Inf. Dyn.* 14: 63
10. **Roszak K.**, Machnikowski P., 2006, ***Complete disentanglement by partial pure dephasing***, *Phys. Rev. A* 73: 022313-1-6
11. **Roszak K.**, Machnikowski P., 2006, ***"Which path" decoherence in quantum dot experiments***, *Phys. Lett. A* 351: 251-256
12. **Roszak K.**, Machnikowski P., Jacak L., 2006, ***Phonon-induced disentanglement of confined excitons***, *Phys. Stat. Sol.* (b)243: 2261
13. **Roszak K.**, Machnikowski P., Jacak L., 2006, ***Phonon-induced dephasing in quantum dots – interpretation in terms of information leakage***, *Acta Phys. Pol. A* 110: 325
14. **Roszak K.**, Machnikowski P., Jacak L., 2006, ***Complete and partial loss of entanglement due to a phonon-assisted dephasing process***, *Acta Phys. Pol. A* 110: 331
15. **Roszak K.**, Grodecka A., Machnikowski P., Kuhn T., 2005, ***Phonon-induced decoherence for a quantum dot spin qubit operated by Raman passage***, *Phys. Rev. B* 71: 195333-1-17

Opublikowane prezentacje konferencyjne

1. **Roszak K.**, Machnikowski P., Axt V. M., Kuhn T., 2010, ***Spin decoherence of a confined exciton due to one- and two-phonon assisted transitions***, *AIP Conf. Proc.* 1199: 413-414
2. **Roszak K.**, Machnikowski P., Jacak L., 2006, ***"Which way" interpretation of the dephasing of charge qubits in quantum dots***, *J. Phys. Conf. Series* 30: 52-55