

**PUBLIKACJE W CZASOPISMACH Z LISTY FILADELFIJSKIEJ
ROK 2006**

1. **Haus O, Kotlarek-Haus S, Potoczek S, Czarnecka M, Duszenko E, Makowska I, Mirowska Nella, Kuliczkowski K:** *Myelodysplastic syndromes according to FAB and WHO classification. Single center experience.* Neoplasma (Neoplasma). **2006** vol. 53, nr 2, s. 137-144.
2. **Ulatowska-Jarża Agnieszka, Podbielska Halina, Bauer Joanna, Muller G, Bindig U.:** *Measurement of spectroscopic properties of sol-gel coated fiberoptic appliances.* Polish Journal of Environmental Studies. (Pol. J. Environ. Stud.) **2006** vol. 15, nr 4A, s. 166-168.
3. **Podbielska Halina, Ulatowska-Jarża Agnieszka, Bauer Joanna, Wieliczko A, Razik J, Stręk W.:** *The comparison of photodynamic activity of photolon and protoporphyrine on pathogenic bacteria in vitro.* Polish Journal of Environmental Studies. (Pol. J. Environ. Stud.) **2006** vol. 15, nr 4A, s. 147-150.
4. **Bauer Joanna, Boerner E, Suchwałko Artur, Podbielska Halina.:** *Pattern recognition method for evaluation of laser transillumination images for therapy monitoring in case of finger joints diseases.* Polish Journal of Environmental Studies. (Pol. J. Environ. Stud.) **2006** vol. 15, nr 4A, s. 120-122.
5. **Hachol Andrzej, Szczepanowska-Nowak Wioletta, Kasprzak Henryk, Zawajska Izabela, Dudziński Andrzej, Kinasz Renata, Wyględowska-Promieńska.:** *Measurement of pupil reactivity using fast pupillometry.* Physiological Measurement. (Physiol. Meas.) **2007** vol. 28, nr 1, s. 61-72.
6. **Motyka Marcin, Kudrawiec Robert, Cywiński G, Siekacz M, Skierbiczewski C, Misiewicz Jan.:** *Energy difference between electron subbands in AlInN/GaInN quantum wells studied by contactless electroreflectance spectroscopy.* Applied Physics Letters. (Appl. Phys. Lett.) **2006** vol. 89, nr 25, s. 251908-1, - 251908-3.
7. **Pluta Mieczysław, Every A G, Grill W.:** *On interference effects in the elastodynamic Green's functions $G_{33}(x, w)$ of Si and GaAs.* Ultrasonics. (Ultrasonics) **2006** vol. 44, s. e887-e891.
8. **Daszkiewicz Marek, Staszak Zbigniew, Pietraszko Adam, Bronowska Wiesława, Cieślak-Golonka Maria.:** *Cis-coordination of the chromate anions in helical Co/Ni block-type polymeric systems : Structural and spectroscopic characteristics of catena(mi-CrO₄-O,O')[Co(HIm)3H₂O] and catena(mi-CrO₄-O,O')[Co_{0.43}Ni_{0.57}(HIm)3H₂O].* Structural Chemistry. (Struct. Chem.) **2006** vol. 17, s. 599-608.
9. **Podhorodecki Artur, Nyk Marcin, Kudrawiec Robert, Misiewicz Jan, Pivin J C, Stręk W.:** *Optical properties of GaN nanocrystals embedded into silica matrices.* Superlattices and Microstructures. (Superlattices Microstruct.) **2006** vol. 40, s. 533-536.
10. **Ibanez J, Kudrawiec Robert, Misiewicz Jan, Schmidbauer M, Henini M, Hopkinson**

- M.:** Nitrogen incorporation into strained (In, Ga) (As, N) thin films grown on (100), (511), (411), (311), and (111) GaAs substrates studied by photoreflectance spectroscopy and high-resolution x-ray diffraction. *Journal of Applied Physics*. (J. Appl. Phys.) **2006** vol. 100, nr 9, s. 093522-1, - 093522-9.
11. **Motyka Marcin, Syperek Marcin, Kudrawiec Robert, Misiewicz Jan, Rudziński M, Hageman P R, Larsen P K.:** Investigation of GaN surface quantum well in AlGaIn/GaN transistor heterostructures by contactless electroreflectance spectroscopy. *Applied Physics Letters*. (Appl. Phys. Lett.) **2006** vol. 89, nr 23, s. 231912-1, - 231912-3.
 12. **Mulak Jacek, Mulak Maciej.:** The maximal axial componets in the equivalent parametrizations of crystal-field Hamiltonians. *Physica Status Solidi, B Basic Research*. (Phys. Status Solidi, B Basic Res.) **2006** vol. 243, nr 12, s. 2796-2810.
 13. **Mulak J, Mulak Maciej.:** The quadrupolar term in the equivalent crystal-field Hamiltonians for various central-ion point symmetries. *Journal of Physics. A, Mathematical and General*. (J. Phys., A, Math. Gen.) **2006** vol. 39, s. 6919-6931.
 14. **Kudrawiec Robert, Nyk Marcin, Syperek Marcin, Podhorodecki Artur, Misiewicz Jan, Strek W.:** Photoluminescence from GaN nanopowder: the size effect associated with the surface-to-volume ratio. *Applied Physics Letters*. (Appl. Phys. Lett.) **2006** vol. 88, nr 18, s. 181916-1, - 181916-3.
 15. **Ciżman Agnieszka, Sieradzki Adam, Poprawski Ryszard.:** Ferroelectric phase transition in $(\text{CH}_3\text{NH}_3)_5\text{Bi}_2\text{Cl}_{11}$ - excess entropy and spontaneous birefringence. *Ferroelectrics*. (Ferroelectrics) **2006** vol. 336, s. 101-106.
 16. **Frączek Ewa, Frączek Wojciech, Masajada Jan.:** The new method of topological charge determination of optical vortices in the interference field of the optical vortex interferometer. *Optik*. (Optik) **2006** vol. 117, s. 423-425.
 17. **Hendrich Andrzej H, Stańczak Kamila, Komorowska Małgorzata, Motohashi Noboru, Kawase Masami, Michalak Krystyna.:** A study on the perturbation of model lipid membranes by phenoxazines. *Bioorganic and Medicinal Chemistry*. (Bioorg. Med. Chem.) **2006** vol. 14, nr 17, s. 5948-5954.
 18. **Sęk Grzegorz, Poloczek Przemysław, Ryczko Krzysztof, Misiewicz Jan, Löffler A, Reithmaier J P, Forchel A.:** Photoreflectante determination of the wetting layer thickness in the $\text{In}_x\text{Ga}_{1-x}\text{As}/\text{GaAs}$ quantum dot system for a broad indium content range of 0.3-1. *Journal of Applied Physics*. (J. Appl. Phys.) **2006** vol. 100, nr 10, s. 103529-1, - 103529-5.
 19. **Mróz Józef, Dziejcz Janusz, Pykacz Henryk.:** Dielectric properties of the $(\text{CH}_3\text{NH}_3)_5\text{Bi}_2(1-x)\text{Sb}_2x\text{Cl}_{11}$ mixed crystals. *Acta Physica Polonica. A*. (Acta Phys. Pol., A) **2006** vol. 110, nr 4, s. 479-483.
 20. **Kurzynowski Piotr, Woźniak Władysław, Drobczyński Sławomir.:** A new phase difference compensation method for elliptically birefringent media. *Optics*

Communications. (Opt. Commun.) **2006** vol. 267, s. 44-49.

21. **Kurzynowski Piotr, Woźniak Władysław, Frączek Ewa.**: *Optical vortices generation using the Wollaston prism*. Applied Optics. (Appl. Opt.) **2006** vol. 45, nr 30, s. 7898-7903.
22. **Kasprzak Henryk, Iskander D R.**: *Spectral characteristics of longitudinal corneal apex velocities and their relation to the cardiopulmonary system*. Eye (London 1987). (Eye (Lond. 1987)) **2006**, 25, August, s. 1-8.
23. **Bock Wojtek J, Chen Jiahua, Eftimov Tinko, Urbańczyk Waclaw.**: *A photonic crystal fiber sensor for pressure measurements*. IEEE Transactions on Instrumentation and Measurement. (IEEE Trans. Instrum. Meas.) **2006** vol. 55, nr 4, s. 1119-1123.
24. **Kudrawiec Robert, Gupta J A, Motyka Marcin, Gładysiewicz Marta, Misiewicz Jan, Wu X.**: *Contactless electroreflectance of GaN_{0.025}As_{0.975-x}Sb_x/GaAs quantum wells with high content (0.29 less or =x less or =0.33): the determination of gap discontinuity*. Applied Physics Letters. (Appl. Phys. Lett.) **2006** vol. 89, nr 17, s. 171914-1, - 171914-3.
25. **Motyka Marcin, Sęk Grzegorz, Kudrawiec Robert, Misiewicz Jan.**: *One the modulation mechanisms in photorefectance of an ensemble of self-assembled InAs/GaAs quantum dots*. Journal of Applied Physics. (J. Appl. Phys.) **2006** vol. 100, nr 7, s. 073502-1, - 073502-5.
26. **Kudrawiec Robert, Motyka Marcin, Gładysiewicz Marta, Sitarek Piotr, Misiewicz Jan.**: *Photorefectance and contactless electroreflectance spectroscopy of GaAs-based structures: the below band gap oscillation features*. Applied Surface Science. (Appl. Surf. Sci.) **2006** vol. 253, s. 266-270.
27. **Kudrawiec Robert, Gładysiewicz Marta, Motyka Marcin, Misiewicz Jan, Yuen H B, Bank S R, Wistey M A, Bae H P, Harris James S Jr.**: *Contactless electroreflectance spectroscopy of Ga(In)NAs/GaAs quantum well structures containing Sb atoms*. Applied Surface Science. (Appl. Surf. Sci.) **2006** vol. 253, [nr 1], s. 152-157.
28. **Kudrawiec Robert, Misiewicz Jan.**: *Photorefectance spectroscopy of semiconductor structures at hydrostatic pressure: a comparison of GaInAs/GaAs and GaInNAs/GaAs single quantum wells*. Applied Surface Science. (Appl. Surf. Sci.) **2006** vol. 253, s. 80-84.
29. **Jernajczyk W, Sobańska A, Marczak M, Maciejewski Artur, Łątka Mirosław, West B, Pokorski M.**: *The influence of acute progressive hypoxia on bioelectrical activity of the brain*. Journal of Physiology and Pharmacology. (J. Physiol. Pharmacol.) **2006** vol. 57, suppl. 4, s. 165-174.
30. **Jurkiewicz Piotr, Olżyńska Agnieszka, Langner Marek, Hof Martin.**: *Headgroup hydration and mobility of DOTAP/DOPC bilayers: a fluorescence solvent relaxation study*. Langmuir. (Langmuir) **2006** vol. 22, nr 21, s. 8741-8749.
31. **Staszczuk P, Sternik D, Chądzyński Grzegorz, Robens E, Błachnio M.**: *Studies of*

heterogeneity properties of selected high-temperature superconductor surfaces. Journal of Thermal Analysis and Calorimetry. (J. Therm. Anal. Calorim.) **2006** vol. 86, nr 1, s. 133-136.

32. **Sternik D, Błachnio M, Staszczuk P, Chądzyński Grzegorz, Kowalska E.**: *Estimation of total heterogeneity properties of carbon nanotubes.* Journal of Thermal Analysis and Calorimetry. (J. Therm. Anal. Calorim.) **2006** vol. 86, nr 1, s. 101-108.
33. **Podhorodecki Artur, Misiewicz Jan, Wójcik J, Irvind E, Mascher P.**: *1.54 micrometer room temperature emission from Er-doped Si nanocrystals deposited by ECR-PECVD.* Journal of Luminescence. (J. Lumin) **2006** vol. 121, s. 230-232.
34. **Roszak Katarzyna, Machnikowski Paweł, Jacak Lucjan.**: *Complete and partial loss of entanglement due to a phonon-assisted dephasing process.* Acta Physica Polonica. A. (Acta Phys. Pol., A) **2006** vol. 110, nr 3, s. 331-336.
35. **Roszak Katarzyna, Machnikowski Paweł, Jacak Lucjan.**: *Phonon-induced dephasing in quantum dots - interpretation in terms of information leakage.* Acta Physica Polonica. A. (Acta Phys. Pol., A) **2006** vol. 110, nr 3, s. 325-330.
36. **Grodecka Anna, Machnikowski Paweł.**: *Collective encoding of quantum information in a quantum dot register.* Acta Physica Polonica. A. (Acta Phys. Pol., A) **2006** vol. 110, nr 2, s. 195-200.
37. **Mączka M, Sieradzki Adam, Poprawski Ryszard, Hermanowicz H, Hanuza J.**: *Lattice dynamics calculations and temperature dependence of vibrational modes of ferroelastic Li₂TiGeO₅.* Journal of Physics. Condensed Matter. (J. Phys., Condens. Matter) **2006** vol. 18, s. 2137-2147.
38. **West Bruce J, Maciejewski Artur, Łątka Mirosław, Sebzda Tadeusz, Świerczyński Zbigniew, Cybulska-Okolow Sylwia, Baran Eugeniusz.**: *Wavelet analysis of scaling properties of gastric electrical activity.* Journal of Applied Physiology. (J. Appl. Physiol.) **2006** vol. 101, s. 1425-1431.
39. **Podemski Paweł, Kudrawiec Robert, Misiewicz Jan, Somers A, Schwertberger R, Reithmaier J P, Forchel A.**: *Thermal quenching of photoluminescence from InAs/In_{0.53}Ga_{0.23}Al_{0.24}As/InP quantum dashes with different sizes.* Applied Physics Letters. (Appl. Phys. Lett.) **2006** vol. 89, nr 15, s. 151902-1, - 151902-3.
40. **Kasprzak Henryk, Iskander D Robert.**: *Approximating ocular surfaces by generalised conic curves.* Ophthalmic and Physiological Optics. (Ophthalmic Physiol. Opt.) **2006** vol. 26, s. 602-609.
41. **Iskander D Robert, Kasprzak Henryk.**: *Dynamics in longitudinal eye movements and corneal shape.* Ophthalmic and Physiological Optics. (Ophthalmic Physiol. Opt.) **2006** vol. 26, s. 572-579.

42. **Gładysiewicz Anna, Bryja Leszek, Wójs Arkadiusz, Potemski Marek.**: *Effect of free carriers and impurities on the density of states and optical spectra of two-dimensional magnetoexcitons*. Physical Review, B Condensed Matter and Materials Physics. (Phys. Rev., B Condens. Matter Mater.) **2006** vol. 74, nr 11, s. 115332-1, - 115332-10.
43. **Rysiakiewicz-Pasek Ewa, Poprawski Ryszard, Polańska Jolanta, Urbanowicz Adam, Sieradzki Adam.**: *Properties of porous glasses with embedded ferroelectric materials*. Journal of Non-Crystalline Solids. (J. Non-Cryst. Solids) **2006** vol. 352, s. 4309-4314.
44. **Krajczyk L, Jabłoński J M, Nyk Marcin, Stręk W, Misiewicz Jan.**: *TEM study of indium and gallium nitride nanocrystals in silica gasses obtained by the sol-gel method*. Journal of Microscopy. (J. Microsc.) **2006** vol. 223, pt. 3, s. 231-233.
45. **Wójs Arkadiusz, Bryja Leszek, Misiewicz Jan, Potemski M, Reuter D, Wieck A.**: *Shake-up processes in photoluminescence of two-dimensional holes in a high magnetic field*. Acta Physica Polonica. A. (Acta Phys. Pol., A) **2006** vol. 110, nr 3, s. 429-435.
46. **Wójcik Katarzyna, Grodecka Anna, Wójs Arkadiusz.**: *Quantized absorption strength of multi-exciton quantum dots*. Acta Physica Polonica. A. (Acta Phys. Pol., A) **2006** vol. 110, nr 3, s. 423-428.
47. **Wodziński Daniel, Wójs Arkadiusz, Quinn J J.**: *Condensation of nonabelian Moore-Read quasiholes in correlated composite fermion liquids*. Acta Physica Polonica. A. (Acta Phys. Pol., A) **2006** vol. 110, nr 3, s. 417-422.
48. **Vyborny K, Certik O, Pfannkuche D, Wodziński Daniel, Wójs Arkadiusz, Quinn J J.**: *Ising ferromagnetism of composite fermions*. Acta Physica Polonica. A. (Acta Phys. Pol., A) **2006** vol. 110, nr 3, s. 409-415.
49. **Gładysiewicz Anna, Wójs Arkadiusz.**: *Calculation of exciton and trion absorption spectra in high magnetic fields*. Acta Physica Polonica. A. (Acta Phys. Pol., A) **2006** vol. 110, nr 2, s. 183-188.
50. **Bryja Leszek, Ryczko Krzysztof, Wójs Arkadiusz, Misiewicz Jan, Potemski M.**: *Skyrmions in a hole gas with large spin gap and strong disorder*. Acta Physica Polonica. A. (Acta Phys. Pol., A) **2006** vol. 110, nr 2, s. 163-168.
51. **Wójs Arkadiusz, Quinn John J.**: *Landau level mixing in the $\nu=5/2$ fractional quantum Hall state*. Physical Review, B Condensed Matter and Materials Physics. (Phys. Rev., B Condens. Matter Mater.) **2006** vol. 74, nr 23, s. 235319-1, - 235319-5.
52. **Olsztyńska Sylwia, Dupuy N, Vrielynck L, Komorowska Małgorzata.**: *Water evaporation analysis of l-phenylalanine from initial aqueous solutions to powder state by vibrational spectroscopy*. Applied Spectroscopy. (Appl. Spectrosc.) **2006** vol. 60, nr 9, s. 1040-1053.

53. **Olsztyńska Sylwia, Komorowska Małgorzata, Dupuy N.:** *Influence of near-infrared radiation on the pKa values of L-phenylalanine.* Applied Spectroscopy. (Appl. Spectrosc.) **2006** vol. 60, nr 6, s. 648-652.
54. **Godowski P J, Onsgaard J, Trzebiatowska-Gusowska M, Pater Kazimierz, Li Z S.:** *Core-level binding energy shift as a probe of morphological changes in two-dimensional Ag-Co alloy.* Physical Review, B Condensed Matter and Materials Physics. (Phys. Rev., B Condens. Matter Mater.) **2006** vol. 73, nr 19, s. 193403-1, - 193403-4.
55. **Bobrowska-Hagerstrand Małgorzata, Lillas Magdalena, Mrówczyńska Lucyna, Wróbel Anna, Shirataki Yoshiaki, Motohashi Noboru, Hagerstrand Henry.:** *Resveratrol oligomers are potent MRP1 transport inhibitors.* Anticancer Research. (Anticancer Res.) **2006** vol. 26, s. 2081-2084.
56. **Gonczarek Ryszard, Krzyżosiak Mateusz.:** *Critical parameters in the superconducting singular Fermi liquid model.* Physica. C, Superconductivity. (Physica, C, Supercond.) **2006** vol. 445-448, s. 158-161.
57. **Szabat Bożena, Hetman Paulina, Weron Karina.:** *Wait-and-switch stochastic model of the non-Debye relaxation. Derivation of the Burr survival probability.* Physica. A. (Physica, A) **2006** vol. 370, [nr 2], s. 346-354.
58. **Szczęśna Dorota, Jaroński Jarosław, Kasprzak Henryk, Stenevi Ulf.:** *Interferometric measurements of dynamic changes of tear film.* Journal of Biomedical Optics. (J. Biomed. Opt.) **2006** vol. 11, nr 3, s. 034028-1, - 034028-8.
59. **Motyka Marcin, Kudrawiec Robert, Sęk Grzegorz, Misiewicz Jan, Krestnikov I L, Mikhrin S, Kovsh A.:** *Room temperature contactless electroreflectance characterization of InGaAs/InAs/GaAs quantum dot wafers.* Semiconductor Science and Technology. (Semicond. Sci. Technol.) **2006** vol. 21, s. 1402-1407.
60. **Pivin J C, Podhorodecki Artur, Kudrawiec Robert, Misiewicz Jan.:** *Study of neodymium photoluminescence and energy transfer in silicon-based gels.* Optical Materials (Amsterdam). (Opt. Mater. (Amst.)) **2006** vol. 27, s. 1467-1470.
61. **Pivin J C, Sendova-Vassileva M, Lagarde G, Singh F, Podhorodecki Artur.:** *Optical activation of Eu³⁺ ions by Ag nanoparticles in ion exchanged silica-gel films.* Journal of Physics. D, Applied Physics. (J. Phys., D Appl. Phys.) **2006** vol. 39, s. 2955-2958.
62. **Podhorodecki Artur, Kudrawiec Robert, Misiewicz Jan, Gaponenko N V, Tsyrukunov D A.:** *1.54 micrometer photoluminescence from Er-doped sol-gel derived In₂O₃ films embedded in porous anodic alumina.* Optical Materials (Amsterdam). (Opt. Mater. (Amst.)) **2006** vol. 28, s. 685-687.
63. **Rudno-Rudziński Wojciech, Kudrawiec Robert, Podemski Paweł, Sęk Grzegorz, Misiewicz Jan, Somers A, Schwertberger R, Reithmaier J P, Forchel A.:** *Photorefectance-probed excited states in InAs/InGaAlAs quantum dashes grown on InP*

substrate. Applied Physics Letters. (Appl. Phys. Lett.) **2006** vol. 89, nr 3, s. 031908-1, - 031908-3.

64. **Podemski Paweł, Kudrawiec Robert, Misiewicz Jan, Somers A, Reithmaier J P, Forchel A.**: *On the tunnel injection of excitons and free carriers from In_{0.53}Ga_{0.47}As/In_{0.53}Ga_{0.23}Al_{0.24}As quantum well to InAs/In_{0.53}Ga_{0.23}Al_{0.24}As quantum dashes*. Applied Physics Letters. (Appl. Phys. Lett.) **2006** vol. 89, nr 6, s. 061902-1, - 061902-3.
65. **Kudrawiec Robert, Syperek Marcin, Motyka Marcin, Misiewicz Jan, Paszkiewicz Regina, Paszkiewicz Bogdan, Tłaczała Marek.**: *Contactless electromodulation spectroscopy of AlGa_N/Ga_N heterostructures with a two-dimensional electron gas: a comparison of photoreflectance and contactless electroreflectance*. Journal of Applied Physics. (J. Appl. Phys.) **2006** vol. 100, nr 1, s. 013501-1, - 013501-5.
66. **Machnikowski Paweł.**: *Pure dephasing of carriers in quantum dots due to anharmonicity-induced phonon scattering*. Physica Status Solidi, B Basic Research. (Phys. Status Solidi, B Basic Res.) **2006** vol. 243, nr 10, s. 2247-2251.
67. **Roszak Katarzyna, Machnikowski Paweł, Jacak Lucjan.**: *Phonon-induced disentanglement of confined excitons*. Physica Status Solidi, B Basic Research. (Phys. Status Solidi, B Basic Res.) **2006** vol. 243, nr 10, s. 2261-2265.
68. **Poloczek Przemysław, Sęk Grzegorz, Misiewicz Jan, Löffler A, Reithmaier J P, Fortchel A.**: *Optical properties of low-strained In_xGa_{1-x}As/GaAs quantum dot structures at the two-dimensional-three-dimensional growth transition*. Journal of Applied Physics. (J. Appl. Phys.) **2006** vol. 100, nr 1, s. 013503-1, - 013503-6.
69. **Podhorodecki Artur, Andrzejewski Janusz, Kudrawiec Robert, Misiewicz Jan, Wojcik J, Robinson B J, Roschuk T, Thompson D A, Mascher P.**: *Photoreflectance investigations of quantum well intermixing processes in compressively strained InGaAsP/InGaAsP quantum well laser structures emitting at 1.55 micrometer*. Journal of Applied Physics. (J. Appl. Phys.) **2006** vol. 100, nr 1, s. 013111-1, - 013111-12.
70. **Drobczyński Sławomir, Bueno Juan M, Artal Pablo, Kasprzak Henryk.**: *Transmission imaging polarimetry for a linear birefringent medium using a carrier fringe method*. Applied Optics. (Appl. Opt.) **2006** vol. 45, nr 22, s. 5489-5496.
71. **Kral Teresa, Langner Marek, Hof Martin.**: *DNA-spermine and DNA-lipid aggregate formation visualized by fluorescence correlation spectroscopy*. Chemotherapy (Basel). (Chemotherapy (Basel)) **2006** vol. 52, [nr 4], s. 196-199.
72. **Szczęśna Dorota, Kasprzak Henryk.**: *The modelling of the influence of a corneal geometry on the pupil image of the human eye*. Optik. (Optik) **2006** vol. 117, nr 7, s. 341-347.

73. **Kudrawiec Robert, Gładysiewicz Marta, Misiewicz Jan, Yuen H B, Bank S R, Wistey M A, Bae H P, Harris Jr James S.:** *Interband transitions in GaN_{0.02}As_{0.98-x}Sb_x/GaAs (0 less x less or =0.11) single quantum wells studied by contactless electroreflectance spectroscopy.* Physical Review, B Condensed Matter and Materials Physics. (Phys. Rev., B Condens. Matter Mater.) **2006** vol. 73, nr 24, s. 245413-1, - 245413-6.
74. **Mirowska Nella, Misiewicz Jan.:** *Influence of semiconductor surface preparation on photoelectric properties of Al-Zn₃P₂ contacts.* Materials Science & Engineering. B, Solid-State Materials for Advances Technology. (Mater. Sci. Eng., B Solid-State Mater.) **2006** vol. 130, s. 49-56.
75. **Ciżman Agnieszka, Włosewicz D, Poprawski Ryszard, Sieradzki Adam.:** *Calorimetric investigation of (TEA)₂MnCl₄ crystals.* Phase Transitions. (Phase Transit.) **2006** vol. 79, nr 4/5, s. 343-348.
76. **Mituś Antoni, Pawlik Grzegorz, Sahraoui Bouchta, Miniewicz Andrzej, Kajzar Francois.:** *Monte Carlo based design of photonic processes in azopolymers.* Molecular Crystals and Liquid Crystals. (Mol. Cryst. Liq. Cryst.) **2006** vol. 446, s. 47-54.
77. **Budzyń Grzegorz, Frączek Ewa, Frączek Wojciech, Mroczka Janusz.:** *Influence of a laser beam's frequency stability on dislocation of vortex points in an optical vortex interferometer.* Applied Optics. (Appl. Opt.) **2006** vol. 45, nr 17, s. 3982-3984.
78. **Szpułak Marcin, Urbańczyk Waclaw, Serebryannikov Evgenii, Zheltikov Aleksei, Hochman Amit, Levitan Yehuda, Kotynski Rafal, Panajotov Krassimir.:** *Comparison of different methods for rigorous modeling of photonic crystals fibers.* Optics Express. (Opt. Express) **2006** vol. 14, nr 12, s. 5699-5714.
79. **Sęk Grzegorz, Hofmann C, Reithmaier J P, Löffler A, Reitzenstein S, Kamp M, Keldysh L V, Kulakovskii V D, Reinecke T L, Forchel A.:** *Investigation of strong coupling between single quantum dot excitons and single photons in pillar microcavities.* Physica. E, Low-Dimensional Systems and Nanostructures. (Phys., E, Low-Dimens. Syst. Nanostruct.) **2006** vol. 32, s. 471-475.
80. **Kudrawiec Robert, Motyka Marcin, Gładysiewicz Marta, Misiewicz Jan, Yuen H B, Bank S R, Bae H, Wistey M A, Harris James S.:** *Band gap discontinuity in Ga_{0.9}In_{0.1}N_{0.027}As_{0.973-x}Sb_x/GaAs single quantum wells with 0 less or =x<0.06 studied by contactless electroreflectance spectroscopy.* Applied Physics Letters. (Appl. Phys. Lett.) **2006** vol. 88, nr 22, s. 221113-1, - 221113-3.
81. **Placzek-Popko Ewa, Nowak Anna, Szatkowski Jan, Sierański Kazimierz.:** *Capture barrier for DX centers in gallium doped Cd_{1-x}Mn_xTe.* Journal of Applied Physics. (J. Appl. Phys.) **2006** vol. 99, s. 083510-1, - 083510-5.
82. **Magdziarz Marcin, Weron Karina.:** *Anomalous diffusion schemes underlying the stretched exponential relaxation. The role of subordinators.* Acta Physica Polonica. B. (Acta Phys. Pol., B) **2006** vol. 37, nr 5, s. 1617-1625.

83. **Magdziarz Marcin, Weron Karina.**: *Anomalous diffusion schemes underlying Cole-Cole relaxation: the role of the inverse-time alfa-stable subordinator*. Physica. A. (Physica, A) **2006** vol. 367, s. 1-6.
84. **Gonczarek Ryszard, Krzyżosiak Mateusz.**: *On possibility of realization of d- or p- wave symmetry states in anisotropic superconductors*. Acta Physica Polonica. A. (Acta Phys. Pol., A) **2006** vol. 109, nr 4/5, s. 493-498.
85. **Bronowska Wiesława.**: *Higt-temperature phenomena in RbD2PO4 and CsH2PO4. Polymeric transformations or polymorphic phase transitions?* Materials Science (Wrocław). (Mater. Sci. (Wroc.)) **2006** vol. 24, nr 1, s. 229-236.
86. **Kudrawiec Robert, Motyka Marcin, Gładysiewicz Marta, Misiewicz Jan, Gupta J A, Aers G C.**: *Contactless electroreflectance of GaNyAs1-y/GaAs multi quantum wells: the conduction band offset and electron effective mass issues*. Solid State Communications. (Solid St. Commun.) **2006** vol. 138, s. 365-370.
87. **Podbielska Halina, Bindig U, Ulatowska-Jarża Agnieszka, Hołowacz Iwona, Muller G, Scheller E E.**: *Optical properties of sol-gel fiber optic applicators for laser interstitial therapy*. Laser Physics. (Laser Phys.) **2006** vol. 16, nr 5, s. 816-826.
88. **Hlubina P, Szpulak Marcin, Knyblova L, Statkiewicz Gabriela, Martynkien Tadeusz, Ciprian D, Urbańczyk Waclaw.**: *Measurement and modelling of dispersion characteristics of a two-mode birefringent holey fibre*. Measurement Science and Technology. (Meas. Sci. Technol.) **2006** vol. 17, s. 626-630.
89. **Wartak M S, Weetman P, Alajoki T, Aikio J, Heikkinen V, Pikhtin N A, Rusek Paweł.**: *Optical modal gain in multiple quantum-well semiconductor lasers based on InP*. Canadian Journal of Physics. (Can. J. Phys.) **2006** vol. 84, s. 53-66.
90. **Żelazowska E, Borczuch-Łączka M, Rysiakiewicz-Pasek Ewa, Zduniewicz T.**: *Li-ion conducting organic-inorganic hybrid electrolytes*. Materials Science (Wrocław). (Mater. Sci. (Wroc.)) **2006** vol. 24, nr 1, s. 133-140.
91. **Rudno-Rudziński Wojciech, Kudrawiec Robert, Sęk Grzegorz, Misiewicz Jan, Somers A, Schwertberger R, Reithmaier J P, Forchel A.**: *Photorefectance investigation of InAs quantum dashes embedded in In0.53Ga0.47As/In0.53Ga0.23Al0.24As quantum well grown on InP substrate*. Applied Physics Letters. (Appl. Phys. Lett.) **2006** vol. 88, nr 14, s. 141915-1, - 141915-3.
92. **Ivanov Anatoly A, Alfimov Mikhail V, Zheltikov Aleksei M, Szpulak Marcin, Urbańczyk Waclaw, Wójcik Jan.**: *Polarization-controlled vectorial spectral transformations of femtosecond pulses in a birefringent photonic-crystal fiber*. Journal of the Optical Society of America. B, Optical Physics. (J. Opt. Soc. Am., B, Opt. Phys.) **2006** vol. 23, nr 5, s. 986-991.

93. **Dethlefsen Annelene F, Haug Rolf J, Vyborny Karel, Certik Ondrej, Wójs Arkadiusz.**: *Transport gap in a $\nu=1/3$ quantum Hall system: a probe for skyrmions*. Physical Review, B Condensed Matter and Materials Physics. (Phys. Rev., B Condens. Matter Mater.) **2006** vol. 74, nr 19, s. 195324-1, - 195324-10.
94. **Wójs Arkadiusz, Wodziński Daniel, Quinn John J.**: *Second generation of Moore-Read quasiholes in a composite fermion liquid*. Physical Review, B Condensed Matter and Materials Physics. (Phys. Rev., B Condens. Matter Mater.) **2006** vol. 74, nr 3, s. 035315-1, - 035315-5.
95. **Bryja Leszek, Wójs Arkadiusz, Potemski Marek.**: *Quantum Hall skyrmions in a hole gas with large spin gap*. Physical Review, B Condensed Matter and Materials Physics. (Phys. Rev., B Condens. Matter Mater.) **2006** vol. 73, nr 24, s. 242302-1, - 241302-4.
96. **Machnikowski Paweł.**: *Change of decoherence scenario and appearance of localization due to reservoir anharmonicity*. Physical Review Letters. (Phys. Rev. Lett.) **2006** vol. 96, nr 14, s. 140405-1, - 140405-4.
97. **Machnikowski Paweł.**: *Theory of which path dephasing in single electron interference due to trace in conductive environment*. Physical Review, B Condensed Matter and Materials Physics. (Phys. Rev., B Condens. Matter Mater.) **2006** vol. 73, nr 15, s. 155109-1, - 155109-10.
98. **Kurzynowski Piotr, Woźniak Władysław.**: *Simple method of the birefringent media properties determination*. Optics Communications. (Opt. Commun.) **2006** vol. 259, s. 424-427.
99. **Janutka Andrzej.**: *Simulation of quantum logic via collisions of vector solitons*. Journal of Physics. A, Mathematical and General. (J. Phys., A, Math. Gen.) **2006** vol. 39, s. 12505-12513.
100. **Diakowski Witold, Ozimek Łukasz, Bielska Ewa, Bem Sylwia, Langner Marek, Sikorski Aleksander F.**: *Cholesterol affects spectrin-phospholipid interactions in a manner different from changes resulting from alterations in membrane fluidity due to fatty acyl chain composition*. Biochimica et Biophysica Acta. Biomembranes. (Biochim. Biophys. Acta, Biomembr.) **2006** vol. 1758, s. 4-12.
101. **Radosz Andrzej, Ostasiewicz Katarzyna, Magnuszewski Piotr, Damczyk Jacek, Radosiński Łukasz, Kusmartsev F V, Samson J H, Mituś Antoni, Pawlik Grzegorz.**: *Thermodynamics of entropy-driven phase transformations*. Physical Review, E Statistical Nonlinear and Soft Matter Physics. (Phys. Rev., E Stat. Nonlinear Soft) **2006** vol. 73, nr 2, s. 026127-1, - 026127-15.
102. **Augousti A T, Radosz Andrzej.**: *An observation on the congruence of the escape velocity in classical mechanics and general relativity in a Schwarzschild metric*. European Journal of Physics. (Eur. J. Phys.) **2006** vol. 27, nr 2, s. 331-335.

103. **Nyk Marcin, Kudrawiec Robert, Strek W, Misiewicz Jan.**: *Synthesis and optical properties of Eu³⁺ and Tb³⁺ doped GaN nanocrystallite powders*. Optical Materials (Amsterdam). (Opt. Mater. (Amst.)) **2006** vol. 28, s. 767-770.
104. **Siedlecki Damian, Nowak Jerzy J, Zając Marek.**: *Placement of a crystalline lens and intraocular lens - retinal image quality*. Journal of Biomedical Optics. (J. Biomed. Opt.) **2006** vol. 11, nr 5, s. 054012-1, - 054012-6.
105. **Grodecka Anna, Machnikowski Paweł.**: *Partly noiseless encoding of quantum information in quantum dot arrays against photon-induced pure dephasing*. Physical Review, B Condensed Matter and Materials Physics. (Phys. Rev., B Condens. Matter Mater.) **2006** vol. 73, nr 12, s. 125306-1, - 125306-9.
106. **Stufler S, Machnikowski Paweł, Ester P, Bichler M, Axt V M, Kuhn T, Zrenner A.**: *Two-photon Rabi oscillations in a single InxGa1-xAs/GaAs quantum dot*. Physical Review, B Condensed Matter and Materials Physics. (Phys. Rev., B Condens. Matter Mater.) **2006** vol. 73, nr 12, s. 125304-1, - 125304-7.
107. **Roszak Katarzyna, Machnikowski Paweł.**: *Complete disentanglement by partial pure dephasing*. Physical Review, A. (Phys. Rev., A) **2006** vol. 73, nr 2, s. 022313-1, - 022313-6.
108. **Roszak Katarzyna, Machnikowski Paweł.**: *"Which path" decoherence in quantum dot experiments*. Physics Letters, A. (Phys. Lett., A) **2006** vol. 351, s. 251-256.
109. **Gonczarek Ryszard, Jacak Lucjan, Krzyżosiak Mateusz, Gonczarek A.**: *Competition mechanism between singlet and triplet superconductivity in the tight-binding model with anisotropic attractive potential*. European Physical Journal. B, Condensed Matter Physics. (Eur. Phys. J., B Cond. Matter Phys.) **2006** vol. 49, s. 171-186.
110. **Kudrawiec Robert, Nyk Marcin, Podhorodecki Artur, Misiewicz Jan, Strek W, Wolcyrz M.**: *Change in photoluminescence spectra of Eu-doped GaN powders due to the aggregation of nanosized grains into micrometer-sized conglomerations*. Applied Physics Letters. (Appl. Phys. Lett.) **2006** vol. 88, nr 6, s. 061916-1, - 061916-3.
111. **Popiołek-Masajada Agnieszka, Borwińska Monika, Frączek Wojciech.**: *Testing a new method for small-angle rotation measurements with the optical vortex interferometer*. Measurement Science and Technology. (Meas. Sci. Technol.) **2006** vol. 17, s. 653-658.
112. **Tonello A, Pitois S, Wabnitz S, Millot G, Martynkien Tadeusz, Urbańczyk Waclaw, Wójcik J, Locatelli A, Conforti M, Angelis C De.**: *Frequency tunable polarization and intermodal modulation instability in high birefringence holey fiber*. Optics Express. (Opt. Express) **2006** vol. 14, nr 1, s. 397-404.
113. **Kudrawiec Robert, Gładysiewicz Marta, Misiewicz Jan, Yuen H B, Bank S R, Wistey M A, Bae H P, Harris J S.**: *Photorefectance spectroscopy of a Ga_{0.62}In_{0.38}N_{0.026}As_{0.954}Sb_{0.02}/GaAs single quantum well tailored at 1.5 micrometer*.

Solid State Communications. (Solid St. Commun.) **2006** vol. 137, s. 138-141.

114. **Janutka Andrzej.**: *Damping of multiphoton Rabi oscillations and multiphoton Purcell effect.* Journal of Physics. A, Mathematical and General. (J. Phys., A, Math. Gen.) **2006** vol. 39, s. 577-584,.
115. **Quinn John J, Wójs Arkadiusz, Gładysiewicz Anna.**: *Fractional quasiexcitons in incompressible electron liquids.* Physica. E, Low-Dimensional Systems and Nanostructures. (Phys., E, Low-Dimens. Syst. Nanostruct.) **2006** vol. 34, s. 280-283.
116. **Domaradzki Jarosław, Kaczmarek Danuta, Prociów Eugeniusz, Borkowska Agnieszka, Kudrawiec Robert, Misiewicz Jan, Schmeisser Dieter, Beuckert Guido.**: *Characterization of nanocrystalline TiO₂-HfO₂ thin films prepared by low pressure hot target reactive magnetron sputtering.* Surface and Coatings Technology. (Surf. Coat. Technol.) **2006** vol. 200, nr 22/23, s. 6283-6287.
117. **Wójs Arkadiusz, Gładysiewicz Anna, Quinn John J.**: *Quasiexcitons in incompressible quantum liquids.* Physical Review, B Condensed Matter and Materials Physics. (Phys. Rev., B Condens. Matter Mater.) **2006** vol. 73, nr 23, s. 235338-1, - 235338-6.