

**PUBLIKACJE W CZASOPISMACH Z LISTY FILADELFIJSKIEJ
ROK 2005**

1. **Marczuk Krystyna, Mirowska Nella:** *Spectroscopic studies of the copper-cadmium halide photochromic glasses.* Optica Applicata (Opt. Appl.) **2005** vol. 35, nr 4, s. 859-867.
2. **Sykora Jan, Jurkiewicz Piotr, Epand Richard M, Kraayenhof Ruud, Langner Marek, Hof Martin.:** *Influence of the curvature on the water structure in the headgroup region of phospholipid bilayer studied by the solvent relaxation technique.* Chemistry and Physics of Lipids. (Chem. Phys. Lipids) **2005** vol. 135, [nr 2], s. 213-221.
3. **Żelazowska Elżbieta, Borczuch-Łączka Maria, Rysiakiewicz-Pasek Ewa, Lachman Wiesława.:** *Organic-inorganic hybrid electrolytes for thin film metal oxide electrochromic coatings.* Optica Applicata. (Opt. Appl.) **2005** vol. 35, nr 4, s. 887-894.
4. **Rysiakiewicz-Pasek Ewa, Poprawski Ryszard, Urbanowicz Adam, Mączka Mirosław.:** *Porous glasses with sodium nitrite impregnations.* Optica Applicata. (Opt. Appl.) **2005** vol. 35, nr 4, s. 769-774.
5. **Macalik Bogusław, Suszyńska Maria, Rysiakiewicz-Pasek Ewa, Krawczyk Ludwina, Morawska-Kowal Teresa, Okal Janina.:** *Spectroscopic and dielectric characteristics of nickel-doped porous silica glasses.* Optica Applicata. (Opt. Appl.) **2005** vol. 35, nr 4, s. 761-767.
6. **Loffler A, Reithmaier J P, Sęk Grzegorz, Hofmann C, Reitzenstein S, Kamp M, Forchel A.:** *Semiconductor quantum dot microcavity pillars with high-quality factors and enlarged dot dimensions.* Applied Physics Letters. (Appl. Phys. Lett.) **2005** vol. 86, nr 11, s. 111105-1, -111105-3.
7. **Baszczuk Agnieszka, Jasiorski Marek, Nyk Marcin, Hanuza Jerzy, Mączka Mirosław, Stręk Wiesław.:** *Luminescence properties of europium activated SrIn₂O₄.* Journal of Alloys and Compounds. (J. Alloys Compd.) **2005** vol. 394, nr 1/2, s. 88-92.
8. **Every A G, Pluta Mieczysław, Grill W.:** *Interference of non-aligned Airy diffraction patterns in transmission acoustic microscopy images of crystals.* Proceedings - Royal Society. Mathematical, Physical and Engineering Sciences. (Proc. - R. Soc., Math. Phys. Eng.) **2005** vol. 461, s. 3847-3862.
9. **Ulatowska-Jarża Agnieszka, Bindig Uwe, Podbielska Halina, Hołowacz Iwona, Stręk Wiesław, Muller Gerhard, Eichler Hans Joachim.:** *Spectroscopic properties of a chlorophyll-based photosensitive dye entrapped in sol-gel fibre-optic applicators.* Materials Science (Wrocław). (Mater. Sci. (Wroc.)) **2005** vol. 23, nr 1, s. 111-122.
10. **Bauer Joanna, Ulatowska-Jarża Agnieszka, Podbielska Halina, Lechna-Marczyńska Monika, Bindig Uwe, Muller Gerhard, Beuthan Jurgen.:** *Influence of heating temperature on structural properties of sol-gel materials.* Optica Applicata. (Opt. Appl.) **2005** vol. 35, nr 4, s. 791-797.

11. **Hołowacz Iwona, Podbielska Halina, Bauer Joanna, Ulatowska-Jarża Agnieszka.**: *Viscosity, surface tension and refractive index of tetraethylorthosilicate-based sol-gel materials depending on ethanol content.* *Optica Applicata.* (Opt. Appl.) 2005 vol. 35, nr 4, s. 691-699.
12. **Pisarski Paweł, Harań Grzegorz.**: *Quasiparticle interference induced by a momentum-dependent scattering in an s-wave superconducting state.* *Physica Status Solidi, B Basic Research.* (Phys. Status Solidi, B Basic Res.) 2005 vol. 242, nr 2, s. 426-432.
13. **Jacak Lucjan, Krasnyj J, Jacak Witold, Gonczarek Ryszard, Machnikowski Paweł.**: *Unavoidable decoherence in semiconductor quantum dots.* *Physical Review, B Condensed Matter and Materials Physics.* (Phys. Rev., B Condens. Matter Mater.) 2005 vol. 72, nr 24, s. 245309-1 - 245309-13.
14. **Pawlik Grzegorz, Mituś Antoni, Miniewicz Andrzej, Sobolewska Anna, Kajzar Francois.**: *Temperature dependence of the kinetics of diffraction gratings formation in a polymer matrix containing azobenzene chromophores: Monte Carlo simulations and experiment.* *Molecular Crystals and Liquid Crystals.* (Mol. Cryst. Liq. Cryst.) 2005 vol. 426, s. 243-252.
15. **Łątka Mirosław, Turalska Małgorzata, Glaubic-Łątka Marta, Kołodziej Waldemar, Łątka Dariusz, West Bruce J.**: *Phase dynamics in cerebral autoregulation.* *American Journal of Physiology. Heart and Circulatory Physiology.* (Am. J. Physiol., Heart Circ. Physiol.) 2005 [vol. 58, nr 5], s. H2272-H2279.
16. **Liu Y T, Sitarek Piotr, Huang Y S, Firszt F, Łęgowski S, Męczyńska H, Marasek A, Paszkowicz W, Tiong K K.**: *Temperature dependence of the edge excitonic transitions of the wurtzite Cd_{1-x}YBexZnySe crystals.* *Journal of Applied Physics.* (J. Appl. Phys.) 2005 vol. 98, nr 8, s. 083519-1 - 083519-7.
17. **Grzybek M, Stebelska K, Wyrozumska P, Grieb P, Langner Marek, Jaszewski A, Jezierski A, Sikorski A F.**: *ESR and monolayer study of the localization of coenzyme Q10 in artificial membranes.* *General Physiology and Biophysics.* (Gen. Physiol. Biophys.) 2005 vol. 24, s. 449-460.
18. **Borowik Tomasz, Widerak K, Ugorski M, Langner Marek.**: *Combined effect of surface electrostatic charge and poly(ethyl glycol) on the association of liposomes with colon carcinoma cells.* *Journal of Liposome Research.* (J. Liposome Res.) 2005 vol. 15, [nr 3/4], s. 199-213.
19. **Rysiakiewicz-Pasek Ewa, Poprawski Ryszard, Polańska Justyna, Sieradzki Adam, Radojewska Ewa.**: *Ferroelectric phase transition in triglycine sulphate embedded into porous glasses.* *Journal of Non-Crystalline Solids.* (J. Non-Cryst. Solids) 2005 vol. 351, [nr 33-36], s. 703-2709.
20. **Syperek Marcin, Kudrawiec Robert, Misiewicz Jan, Korbutowicz Ryszard, Paszkiewicz**

- Regina, Tłaczała Marek.**: *Photoreflectance spectroscopy of thick GaN layers grown by hydride vapour phase epitaxy technique*. *Optica Applicata. (Opt. Appl.)* **2005** vol. 35, nr 3, s. 529-535.
21. **Podhorodecki Artur, Andrzejewski Janusz, Motyka Marcin, Kudrawiec Robert, Misiewicz Jan, Wójcik Jacek, Robinson B J.**: *Optical properties of InGaAsP quantum well for infrared emission investigated by modulation spectroscopy*. *Optica Applicata. (Opt. Appl.)* **2005** vol. 35, nr 3, s. 509-515.
22. **Motyka Marcin, Sęk Grzegorz, Andrzejewski Janusz, Kudrawiec Robert, Misiewicz Jan, Ściana Beata, Radziejewicz Damian, Tłaczała Marek.**: *Optical properties of InGaAs/GaAs quantum wells with different distance from Si-delta-doping layer*. *Optica Applicata. (Opt. Appl.)* **2005** vol. 35, nr 1, s. 471-477.
23. **Dziedzic Janusz, Mróz Józef.**: *Study on pyroelectric properties of the TGS-TGSe crystals with internal electric field*. *Acta Physica Polonica. A. (Acta Phys. Pol., A)* **2005** vol. 108, nr 6, s. 971-978.
24. **Gudowska-Nowak Ewa, Bochenek Kinga, Jurlewicz Agnieszka, Weron Karina.**: *Hopping models of charge transfer in a complex environment: coupled memory continuous-time random walk approach*. *Physical Review, E Statistical Nonlinear and Soft Matter Physics. (Phys. Rev., E Stat. Nonlinear Soft)* **2005** vol. 72, [nr 6], s. 061101-1 - 061101-11.
25. **Martynkien Tadeusz, Szpulak Marcin, Urbańczyk Wacław.**: *Modeling and measurement of temperature sensitivity in birefringent photonic crystal holey fibers*. *Applied Optics. (Appl. Opt.)* **2005** vol. 44, nr 36, s. 7780-7788.
26. **Szarska Stanisława, Wójcik Agata.**: *Photostimulated defect formation in gel-derived biomaterial*. *Optica Applicata. (Opt. Appl.)* **2005** vol. 35, nr 4, s. 799-807.
27. **Orlik Rafał, Mituś Antoni, Patashinski A Z, Ratner R.**: *On large temporal local-structure-based scale in 2D Lennard-Jones liquid*. *Acta Physica Polonica. B. (Acta Phys. Pol., B)* **2005** vol. 36, nr 5, s. 1727-1735.
28. **Krugel Annette, Axt Vollrath Martin, Kuhn Tilmann, Machnikowski Paweł, Vagov A.**: *The role of acoustic phonons for Rabi oscillations in semiconductor quantum dots*. *Applied Physics. B, Lasers and Optics. (Appl. Phys., B Lasers Opt.)* **2005** vol. 81, [nr 7], s. 897-904.
29. **Machnikowski Paweł, Jacak Lucjan.**: *Phonon-induced dephasing of optically driven exciton states in quantum dots: spectral interpretation*. *Acta Physica Polonica. A. (Acta Phys. Pol., A)* **2005** vol. 108, nr 5, s. 761-767.
30. **Roszak Katarzyna, Grodecka Anna, Machnikowski Paweł, Kuhn Tilmann.**: *Phonon-induced decoherence for quantum-dot spin qubit operated by Raman passage*. *Physical Review, B Condensed Matter and Materials Physics. (Phys. Rev., B Condens. Matter Mater.)* **2005** vol. 71, [nr 19], s. 195333-1 - 195333-17.

31. **Machnikowski Paweł, Jacak Lucjan.**: *Exciton-LO phonon dynamics in InAs/GaAs quantum dots: effects of zone-edge phonon damping*. Physical Review, B Condensed Matter and Materials Physics. (Phys. Rev., B Condens. Matter Mater.) **2005** vol. 71, [nr 11], s. 115309-1 - 115309-9.
32. **Żelazowska Elżbieta, Rysiakiewicz-Pasek Ewa, Borczuk-Łączka Maria.**: *Sol-gel derived Li-ion conducting polymer electrolytes*. Materials Science (Wrocław). (Mater. Sci. (Wroc.)) **2005** vol. 23, nr 1, s. 177-194.
33. **Statkiewicz Gabriela, Martynkien Tadeusz, Urbańczyk Waclaw.**: *Measurements of birefringence and its sensitivity to hydrostatic pressure and elongation in photonic bandgap hollow core fiber with residual core ellipticity*. Optics Communications. (Opt. Commun.) **2005** vol. 255, [nr 4-6], s. 175-183.
34. **Machnikowski Paweł.**: *Manifestation of fundamental quantum complementarities in time-domain interference experiments with quantum dots: a theoretical analysis*. Physical Review, B Condensed Matter and Materials Physics. (Phys. Rev., B Condens. Matter Mater.) **2005** vol. 72, [nr 20], s. 205332-1 - 205332-8.
35. **Antkowiak Maciej, Kotyński Rafał, Nasilowski Tomasz, Lesiak Piotr, Wójcik Jan, Urbańczyk Waclaw, Berghmans Francis, Thienpont Hugo.**: *Phase and group modal birefringence of triple-defect photonic crystal fibres*. Journal of Optics, A Pure and Applied Optics. (J. Opt., A Pure Appl. Opt.) **2005** vol. 7, [nr 12], s. 763-766.
36. **Łątka Mirosław, Kozik A, Jernajczyk J, West B J, Jernajczyk W.**: *Wavelet mapping of sleep spindles in young patients with epilepsy*. Journal of Physiology and Pharmacology. (J. Physiol. Pharmacol.) **2005** vol. 56, suppl. 4, s. 15-20.
37. **Axt V M, Machnikowski Paweł, Kuhn T.**: *Reducing decoherence of the confined exciton state in a quantum dot by pulse-sequence control*. Physical Review, B Condensed Matter and Materials Physics. (Phys. Rev., B Condens. Matter Mater.) **2005** vol. 71, [nr 15], s. 155305-1 - 155305-9.
38. **Olżyńska Agnieszka, Przybyło Magda, Gabrielska Janina, Trela Zenon, Przystalski Stanisław, Langner Marek.**: *Di- and tri-phenyltin chlorides transfer across a model lipid bilayer*. Applied Organometallic Chemistry. (Appl. Organomet. Chem.) **2005** vol. 19, [nr 10], s. 1073-1078.
39. **Mulak Jacek, Mulak Maciej.**: *On standardization of crystal-field Hamiltonians parametrization: triclinic symmetry case*. Journal of Physics. A, Mathematical and General. (J. Phys., A, Math. Gen.) **2005** vol. 38, [nr 26], s. 6081-6090.
40. **Mrówczyńska Lucyna, Bobrowska-Hagerstrand Małgorzata, Wróbel Anna, Soderstrom Thomas, Hagerstrand Henry.**: *Inhibition of MRP1-mediated efflux in human erythrocytes by mono-anionic bile salts*. Anticancer Research. (Anticancer Res.) **2005** vol. 25, [nr 5], s. 3173-3178.
41. **Gonczarek Ryszard, Krzyżosiak Mateusz.**: *Conformal transformation method and*

- symmetry aspects of the group C4V in a model of high-Tc superconductors with anisotropic gap*. Physica. C, Superconductivity. (Physica, C, Supercond.) **2005** vol. 426-431, pt. 1, s. 278-282.
42. **Drobczyński Sławomir, Kasprzak Henryk.**: *Application of space periodic variation of light polarization in imaging polarimetry*. Applied Optics. (Appl. Opt.) **2005** vol. 44, nr 16, s. 3160-3166.
43. **Gonczonek Ryszard, Krzyżosiak Mateusz.**: *Thermodynamics and response to a weak magnetic field in a model of superconductivity in a singular Fermi liquid*. Physica. C, Superconductivity. (Physica, C, Supercond.) **2005** vol. 426-431, pt. 1, s. 273-277.
44. **Wiktorczyk Tadeusz.**: *A study of thermally stimulated dielectric relaxation currents in Al/Lu₂O₃/Al thin-film sandwiches*. Journal of Non-Crystalline Solids. (J. Non-Cryst. Solids) **2005** vol. 351, [nr 33-36], s. 2853-2857.
45. **Wojewódzka Joanna, Paździor Grzegorz, Langner Marek.**: *A method to evaluate the effect of liposome lipid composition on its interaction with the erythrocyte plasma membrane*. Chemistry and Physics of Lipids. (Chem. Phys. Lipids) **2005** vol. 135, [nr 2], s. 181-187.
46. **Nawrocka Magdalena S, Bock Wojtek J, Urbańczyk Wacław.**: *Dynamic high-pressure calibration of the fiber-optic sensor based on birefringent side-hole fibers*. IEEE Sensors Journal. (IEEE Sens. J.) **2005** vol. 5, nr 5, s. 1011-1018.
47. **Daszkiewicz Marek, Bronowska Wiesława, Pietraszko Adam, Staszak Zbigniew, Cieślak-Golonka Maria.**: *Coordination geometry of chromium(VI) species : The first example of cis-bridging chromate ions in helically structured catena(mi-CrO₄-O,O')[Ni(HIm)₃H₂O]*. Journal of Molecular Structure. (J. Mol. Struct.) **2005** vol. 754, nr 1-3, s. 124-132.
48. **Sieradzki Adam, Cizman Agnieszka, Poprawski Ryszard, Shuvaeva V, Glazer A M.**: *Birefringence imaging of phase transition in ferroelastic Li₂TiGeO₅*. Phase Transitions. (Phase Transit.) **2005** vol. 78, nr 4, s. 351-356.
49. **Kudrawiec Robert, Motyka Marcin, Misiewicz Jan, Yuen H B, Bank S R, Wistey M A, Bae H P, Harris James S.**: *Photoluminescence from as-grown and annealed GaN_{0.027}As_{0.863}Sb_{0.11}/GaAs single quantum wells*. Journal of Applied Physics. (J. Appl. Phys.) **2005** vol. 98, nr 6, s. 063527-1 - 063527-7.
50. **Gaponenko N V, Molchan I S, Tsykrunov D A, Maliarevich G K, Aegerter M, Puetz J, Al-Dahoudi N, Misiewicz Jan, Kudrawiec Robert, Lambertini V, Pira N Li, Repetto P.**: *Optimal and structural properties of sol-gel derived materials embedded in porous anodic alumina*. Microelectronic Engineering. (Microelectron. Eng.) **2005** vol. 81, [nr 2-4], s. 255-261.
51. **Kudrawiec Robert, Syperek Marcin, Misiewicz Jan, Rudziński M, Grezegorczyk A P, Hageman P R, Larsen P K.**: *Photoreflectance investigations of a donor-related transition in*

AlGaIn/GaN transistor structures. Applied Physics Letters. (Appl. Phys. Lett.) **2005** vol. 87, [nr 15], s. 153502-1 - 153502-3.

52. **Rudno-Rudziński Wojciech, Ryczko Krzysztof, Sęk Grzegorz, Misiewicz Jan, Silva M J, Quivy A A.**: *Photorefectance study of energy level structure of self-assembled InAs/GaAs quantum dots emitting at 1.3 micrometer*. Solid State Communications. (Solid St. Commun.) **2005** vol. 135, [nr 4], s. 232-236.
53. **Olszewski Jacek, Szpulak Marcin, Urbańczyk Waclaw.**: *Effect of coupling between fundamental and cladding modes on bending losses in photonic crystal fibers*. Optics Express. (Opt. Express) **2005** vol. 13, nr 16, s. 6015-6022.
54. **Nyk Marcin, Stręk Wiesław, Jabłoński J M, Kępiński L, Kudrawiec Robert, Misiewicz Jan.**: *Synthesis, structure and optical properties of GaN nanocrystallites*. Materials Science in Semiconductor Processing. (Mater. Sci. Semicond. Process.) **2005** vol. 8, [nr 4], s. 511-514.
55. **Kityk I V, Nyk Marcin, Stręk Wiesław, Jabłoński J M, Misiewicz Jan.**: *Circularly photostimulated electrogyration in europium- and terbium-doped GaN nanocrystals embedded in a silica xerogel matrix*. Journal of Physics. Condensed Matter. (J. Phys., Condens. Matter) **2005** vol. 17, nr 34, s. 5235-5245.
56. **Cizman Agnieszka, Poprawski Ryszard.**: *Set-up for spontaneous and induced birefringence measurements*. Optica Applicata. (Opt. Appl.) **2005** vol. 35, nr 1, s. 163-170.
57. **Dziedzic Janusz, Mróz Józef, Jakubas R.**: *Pyroelectric and dilatometric studies on the low temperature ferroelectric phase transition of (CH₃NH₃)₅Bi₂Br₁₁*. Acta Physica Polonica. A. (Acta Phys. Pol., A) **2005** vol. 108, nr 3, s. 505-511.
58. **Nasilowski Tomasz, Martynkien Tadeusz, Statkiewicz Gabriela, Szpulak Marcin, Olszewski Jacek, Gołojuch Grzegorz, Urbańczyk Waclaw, Wójcik Jan, Mergo Paweł, Makara Mariusz, Berghmans Francis, Thienpont Hugo.**: *Temperature and pressure sensitivities of the highly birefringent photonic crystal fiber with core asymmetry*. Applied Physics. B, Lasers and Optics. (Appl. Phys., B Lasers Opt.) **2005** vol. 81, [nr 2/3], s. 325-331.
59. **Kudrawiec Robert, Andrzejewski Janusz, Misiewicz Jan, Gollub D, Forchel A.**: *Photorefectance spectroscopy of step-like GaInNAs/GaInNAs/GaAs quantum wells*. Physica Status Solidi, A Applied Research. (Phys. Status Solidi, A Appl. Res.) **2005** vol. 202, nr 7, s. 1255-1262.
60. **Yuen Homan B, Bank Seth R, Wistey Mark A, Harris James S, Seong Maeng-Je, Yoon Seokhyun, Kudrawiec Robert, Misiewicz Jan.**: *Improved optical quality of GaNAsSb in the dilute Sb limit*. Journal of Applied Physics. (J. Appl. Phys.) **2005** vol. 97, nr 11, s. 113510-1 - 113510-5.
61. **Misiewicz Jan, Kudrawiec Robert, Syperek Marcin, Paszkiewicz Regina, Paszkiewicz Bogdan, Tłaczala Marek.**: *Investigations of AlGaIn/GaN field-effect transistor structures by*

photoreflectance spectroscopy. Microelectronics Journal. (Microelectron. J.) **2005** vol. 36, [nr 3-6], s. 442-445.

62. **Weron Karina, Jurlewicz Agnieszka, Magdziarz Marcin.**: *Havriliak-Negami response in the framework of the continuous-time random walk*. Acta Physica Polonica. B. (Acta Phys. Pol., B) **2005** vol. 36, nr 5, s. 1855-1868.
63. **Jacak Lucjan, Krasnyj J, Jacak Dorota, Gonczarek Ryszard, Krzyżosiak Mateusz, Machnikowski Paweł.**: *Spin-based quantum information processing in magnetic quantum dots*. Open Systems and Information Dynamics. (Open Syst. Inf. Dyn.) **2005** vol. 12, [nr 2], s. 133-141.
64. **Chludzińska Ludmiła, Ananicz E, Jarosławska A, Komorowska Małgorzata.**: *Near-infrared radiation protects the red cell membrane against oxidation*. Blood Cells, Molecules & Diseases. (Blood Cells Mol. Diseases) **2005** vol. 35, [nr 1], s. 74-79.
65. **Misiewicz Jan, Kudrawiec Robert, Motyka Marcin, Andrzejewski Janusz, Gollub D, Forchel A.**: *Photo- and contactless electro-reflectance spectroscopies of step-like GaInNAs/Ga(In)NAs/GaAs quantum wells*. Microelectronics Journal. (Microelectron. J.) **2005** vol. 36, [nr 3-6], s. 446-449.
66. **Podhorodecki Artur, Kudrawiec Robert, Andrzejewski Janusz, Misiewicz Jan, Wójcik Jan, Robinson B J, Thompson D A, Mascher P.**: *Influence of the annealing temperature on the optical transitions of InGaAsP-based quantum well structures investigated by photoreflectance spectroscopy*. Physica Status Solidi, A Applied Research. (Phys. Status Solidi, A Appl. Res.) **2005** vol. 202, nr 7, s. 1263-1269.
67. **Gładysiewicz Anna, Wójcik Katarzyna, Wójs Arkadiusz, Quinn John J.**: *Trion binding energies and wave functions in doped quantum wells*. Acta Physica Polonica. A. (Acta Phys. Pol., A) **2005** vol. 108, nr 4, pt. 1, s. 669-674.
68. **Wodziński Daniel, Wójs Arkadiusz, Quinn John J.**: *Pair-distribution functions of Laughlin quasielectrons in partially filled composite fermion levels*. Acta Physica Polonica. A. (Acta Phys. Pol., A) **2005** vol. 108, nr 5, pt. 2, s. 909-914.
69. **Wójs Arkadiusz, Gładysiewicz Anna, Quinn John J.**: *Fractional quasiexcitations in photoluminescence of quantum Hall liquids*. Acta Physica Polonica. A. (Acta Phys. Pol., A) **2005** vol. 108, nr 5, pt. 2, s. 923-928..
70. **Szabat Bożena, Langner Karol M, Klosgen Beate, Weron Karina.**: *A continuous-time random-walk approach to the Cole-Davidson dielectric response of dipolar liquids*. Acta Physica Polonica. B. (Acta Phys. Pol., B) **2005** vol. 36, nr 5, s. 1823-1835.
71. **Gładysiewicz-Kudrawiec Marta, Gonczarek Ryszard, Krzyżosiak Mateusz.**: *Thermodynamic properties of a high-Tc superconductor in the extended Van Hove scenario*. Physica. B, Condensed Matter. (Physica, B, Condens. Matter) **2005** vol. 359-361, s. 572-574.

72. **Nyk Marcin, Kudrawiec Robert, Misiewicz Jan, Paszkiewicz Regina, Korbutowicz Ryszard, Kozłowski Janusz, Serafińczuk Jarosław, Stręk Wiesław.**: *Structure and optical properties of MOVPE and HVPE GaN films grown on GaN nanocrystalline powder substrate*. Journal of Crystal Growth. (J. Cryst. Growth) **2005** vol. 277, [nr 1-4], s. 149-153.
73. **Szpułak Marcin, Statkiewicz Gabriela, Olszewski Jacek, Martynkien Tadeusz, Urbańczyk Waclaw, Wójcik Jan, Makara Mariusz, Klimek Jacek, Nasilowski Tomasz, Berghmans Francis, Thienpont Hugo.**: *Experimental and theoretical investigations of birefringent holey fibers with a triple defect*. Applied Optics. (Appl. Opt.) **2005** [vol. 44, nr 13], s. 2652-2658.
74. **Hlubina Petr, Urbańczyk Waclaw.**: *Dispersion of the group birefringence of a calcite crystal measured by white-light spectral interferometry*. Measurement Science and Technology. (Meas. Sci. Technol.) **2005** vol. 16, [nr 6], s. 1267-1271.
75. **Weron Aleksander, Burnecki Krzysztof, Mercik Szymon, Weron Karina.**: *Complete description of all self-similar models driven by Levy stable noise*. Physical Review, E Statistical Nonlinear and Soft Matter Physics. (Phys. Rev., E Stat. Nonlinear Soft) **2005** vol. 71, [nr 1], s. 016113-1 - 016113-10.
76. **Kral Teresa, Widerak Katarzyna, Langner Marek, Hof Martin.**: *Propidium iodide and PicoGreen as dyes for the DNA fluorescence correlation spectroscopy measurements*. Journal of Fluorescence. (J. Fluoresc.) **2005** vol. 15, nr 2, s. 179-183.
77. **Miszta Adam, Gabrielska Janina, Przeszalski Stanisław, Langner Marek.**: *The effect of phenyltin chlorides on osmotically induced erythrocyte haemolysis*. Applied Organometallic Chemistry. (Appl. Organomet. Chem.) **2005** vol. 19, [nr 6], s. 736-741.
78. **Kumala Wojciech, Gonczarek Ryszard.**: *Solutions of the energy gap equation for D-wave paired systems*. Physica Status Solidi, B Basic Research. (Phys. Status Solidi, B Basic Res.) **2005** vol. 242, nr 5, s. 1075-1080.
79. **Janutka Andrzej.**: *Polaron formation in a medium of damped excitations*. Journal of Physics. A, Mathematical and General. (J. Phys., A, Math. Gen.) **2005** vol. 38, [nr 21], s. 4685-4696.
80. **Janutka Andrzej.**: *Sound propagation in homogeneous and inhomogeneous spin glasses*. Physica Scripta. (Phys. Scr.) **2005** vol. 71, s. 664-667.
81. **Frączek Ewa, Frączek Wojciech, Mrocza Janusz.**: *Experimental method for topological charge determination of optical vortices in a regular net*. Optical Engineering. (Opt. Eng.) **2005** vol. 44, nr 2, s. 025601-1 - 025601-3.
82. **Kudrawiec Robert, Sitarek Piotr, Misiewicz Jan, Bank S R, Yuen H B, Wistey M A, Harris James S.**: *Interference effects in electromodulation spectroscopy applied to GaAs-based structures: a comparison of photoreflectance and contactless electroreflectance*. Applied Physics Letters. (Appl. Phys. Lett.) **2005** vol. 86, nr 9, s. 091115-1 - 091115-3.

83. **Kudrawiec Robert, Yuen H B, Ryczko Krzysztof, Misiewicz Jan, Bank S R, Wistey M A, Bae H P, Harris James S.:** *Photoreflectance and photoluminescence investigations of a step-like GaInNAsSb/GaAsN/GaAs quantum well tailored at 1.5 micrometer: the energy level structure and the Stokes shift.* Journal of Applied Physics. (J. Appl. Phys.) **2005** vol. 97, nr 5, s. 053515-1 - 053515-7.
84. **Ryczko Krzysztof, Sęk Grzegorz, Misiewicz Jan.:** *The influence of interdiffusion on the binding energy of excitons in $In_xGa_{1-x}NyAs_{1-y}/GaAs$ quantum wells.* Superlattices and Microstructures. (Superlattices Microstruct.) **2005** vol. 37, iss. 4, s. 273-280.
85. **Kudrawiec Robert, Ryczko Krzysztof, Misiewicz Jan, Yuen H B, Bank S R, Wistey M A, Bae H P, Harris J S.:** *Band-gap discontinuity in $GaN_{0.02}As_{0.87}Sb_{0.11}/GaAs$ single-quantum wells investigated by photoreflectance spectroscopy.* Applied Physics Letters. (Appl. Phys. Lett.) **2005** vol. 86, nr 14, s. 141908-1 - 141908-3.
86. **Środa Kamila, Rydlewski Janusz, Langner Marek, Kozubek Arkadiusz, Grzybek Michał, Sikorski Aleksander F.:** *Repeated injections of PEG-PE liposomes generate anti-PEG antibodies.* Cellular & Molecular Biology Letters. (Cell. Mol. Biol. Lett.) **2005** vol. 10, nr 1, s. 37-47.
87. **Rudno-Rudziński Wojciech, Sęk Grzegorz, Ryczko Krzysztof, Kudrawiec Robert, Misiewicz Jan, Somers A, Schwertberger R, Reithmaier J P, Forchel A.:** *Optically probed wetting layer in $InAs/InGaAlAs/InP$ quantum-dash structures.* Applied Physics Letters. (Appl. Phys. Lett.) **2005** vol. 86, nr 10, s. 1019041-1019043.
88. **Janutka Andrzej, Jacak Lucjan, Krasnyj J, Machnikowski Paweł, Radosz Andrzej.:** *Decoherence of the excitation and decay of the excitonic polaron in quantum dots.* Physica Scripta. (Phys. Scr.) **2005** vol. T118, s. 118-121.
89. **Wójs Arkadiusz, Wodziński Daniel, Quinn John J.:** *Pair-distribution functions of correlated composite fermions.* Physical Review, B Condensed Matter and Materials Physics. (Phys. Rev., B Condens. Matter Mater.) **2005** vol. 71, [nr 24], s. 245331-1 - 245331-6.
90. **Radosz Andrzej, Ostasiewicz Katarzyna, Magnuszewski Piotr, Radoński Łukasz, Kusmartsev F V, Samson J H.:** *Lattice multi-stability in low-dimensional structures.* Physica Status Solidi, B Basic Research. (Phys. Status Solidi, B Basic Res.) **2005** vol. 242, nr 2, s. 303-310.
91. **Radosz Andrzej, Ostasiewicz Katarzyna, Magnuszewski Piotr, Radoński Łukasz, Kusmartsev F V, Samson J H.:** *Electron-phonon coupling in photo-induced phase transitions.* Physica Status Solidi, B Basic Research. (Phys. Status Solidi, B Basic Res.) **2005** vol. 242, nr 2, s. 454-460.
92. **Wójs Arkadiusz, Gładysiewicz Anna, Wodziński Daniel, Quinn John J.:** *Interaction and dynamical binding of spin waves or excitons in quantum Hall systems.* Canadian Journal of Physics. (Can. J. Phys.) **2005** vol. 83, [nr 10], s. 1019-1028.

93. **Wójs Arkadiusz, Quinn John J.**: *Three-body correlations and finite-size effects in the Moore-Read states on a sphere*. Physical Review, B Condensed Matter and Materials Physics. (Phys. Rev., B Condens. Matter Mater.) 2005 vol. 71, [nr 4], s. 045324-1 - 045324