

PRACE OPUBLIKOWANE W 2005 ROKU

I MONOGRAFIE NAUKOWE, PODRĘCZNIKI AKADEMICKIE

1. J.König , J.Martinek, J.Barnaś, G.Schön
Quantum dots attached to ferromagnetic leads: exchange field, spin precession and Kondo effect.
rozdział w Lecture Notes in Physics
(Springer-Verlag GmbH) Vol. 658, 2005, 145-164
2. K.W.Wojciechowski
Monte Carlo simulations of model particles forming phases of negative Poisson ratio.
rozdział w “Properties and Applications of Nanocrystalline Alloys from Amorphous Precursors”
Edited. by B.Idzikowski, P.Svec, M.Miglierini, NATO Science Series II. Mathematics, Physics and Chemistry Vol. 184; 2005, 241-252
Proceedings of the NATO Advanced Research Workshop on Properties Applications of Nanocrystalline Alloys from Amorphous Precursors (9-15 June 2003, Budmerice, Slovak Republic)
3. B.Idzikowski
Formation of nanocrystalline metastable phases in Fe-Ni-Zr-B amorphous alloys.
rozdział w “Properties and Applications of Nanocrystalline Alloys from Amorphous Precursors”
Edited by B.Idzikowski, P.Svec, M.Miglierini, NATO Science Series II. Mathematics, Physics and Chemistry Vol. 184; 2005, 177-188
Proceedings of the NATO Advanced Research Workshop on Properties Applications of Nanocrystalline Alloys from Amorphous Precursors (9-15 June 2003, Budmerice, Slovak Republic)
4. A.I.Shames, A.M.Panich, W.Kempiński, M.V.Baidakova, V.Yu.Osipov, T.Enoki, A.Ya.Vul
Magnetic Resonance study of nanodiamonds.
rozdział w “Synthesis, Properties and Applications of Ultrananocrystalline Diamond”
Proceedings of the NATO ARW on Synthesis, Properties and Applications of Ultrananocrystalline Diamond, St. Petersburg, Russia (7-10 June 2004), Series: [NATO Science Series II: Mathematics, Physics and Chemistry](#), Vol. 192, 2005, 271-282, ed. D.M.Gruen et al.

5. T.Toliński, K.Lenz, J.Lindner, K.Baberschke, A.Ney, T.Hesjedal, C.Pampuch, L. Däweritz, R.Koch, K.H.Ploog
Epitaxial MnAs films studied by ferromagnetic and spin wave resonance.
rozdział w książce “Local-Moment Ferromagnets” Unique Properties for Modern Applications”; Series: Lecture Notes in Physics, Springer, Vol. 678 Donath, Markus; Nolting, Wolfgang (Eds.); XI.2005, 331 p. 141, ISBN: 3-540-27286-0

6. H.Śmigielska, G.Lewandowicz, L.Szcześniak
Application of oxidised starches as microelement carrier for food fortification.
Rozdział w książce “Current trends in commodity sciences, vol. II” str.1268-1273,
Editor: Ryszard Zieliński, Akademia Ekonomiczna w Poznaniu, Poznań 2005

7. J.Jadzyn, G.Czechowski
Pretransitional phenomena in thermotropic liquid crystals.
Rozdział w książce „Chiral Liquid Crystals”, edited by W.Kuczyński, (Lecture presented at „School on Chiral Liquid Crystals”) 121-135, 2005

8. Y.Utsumi, J.Martinek, P.Bruno, H.Imamura, S.Maekawa
RKKY interaction between two quantum dots embedded in an aharonov-bohm ring.
Rozdział w książce: Realizing controllable quantum states< Mesoscopic Superconductivity and Spintronics – In the Light of Quantum Computation
Editor: H.Takayanagi, J.Nitta
Published by: World Scientific Publishing Co. Pte, Ltd.

9. J.Stankowski, W.Hilczer
Wstęp do spektroskopii rezonansów magnetycznych.
Podręcznik akademicki
Wydawnictwo Naukowe PWN, Warszawa 2005

10. *Chiral Liquid Crystals*
Lectures presented at „School on Chiral Liquid Crystals” organized by IFM PAN in Będlewo, May 22-26, 2005
Editor W.Kuczyński
Published by Institute of Molecular Physics of the PAN (2005), ISBN 83-922875-1-7

11. J.Stankowski, W.Hilczer
Wstęp do spektroskopii rezonansów magnetycznych.
Podręcznik akademicki
Wydawnictwo Naukowe PWN, Warszawa 2005
12. *Scientific Network "New Materials for magnetoelectronics" MAG-EL-MAT, May 2-6, 2005, Poznań/Będlewo*
Edited by: B.Idzikowski, S.Lipiński, T.Luciński
Published by: IFM PAN
13. *Properties and Applications of Nanocrystalline Alloys from Amorphous Precursors*
Edited. by B.Idzikowski, P.Svec, M.Miglierini
NATO Science Series II. Mathematics, Physics and Chemistry Vol. 184; 2005, 241-252
Proceedings of the NATO Advanced Research Workshop on Properties Applications of Nanocrystalline Alloys from Amorphous Precursors (9-15 June 2003, Budmerice, Slovak Republic)
14. *The European Conference PHYSICS OF MAGNETISM'05, June 24-27, 2005, Poznań, ABSTRACTS*
Edited by: R.Micnas, A.Jezierski, R.J.Wojciechowski, A.Szajek
The European Conference PHYSICS OF MAGNETISM'05, June 24-27, 2005, Poznań
Published by IFM PAN, Poznań
15. *Auxetics and Related Systems*
Special issue of the Physica Status Solidi (b)**242** (March 2005)
Guset Editors: K.W.Wojciechowski, A.Alderson, A.Brańka, K.L.Alderson
Publishers: Wiley-VCH

II PRACE PRZEGLĄDOWE

1. S.K.Hoffmann
Molecular dynamics in polymers and amorphous materials. EPR and electron spin echo studies.
Molecular Physics Reports 41, 2005, 9-42

III. PUBLIKACJE W CZASOPISMIĘ WYRÓŻNIONYM Z LISTY FILADELFIJSKIEGO INSTYTUTU INFORMACJI NAUKOWEJ

Acta Physica Polonica A

1. B.Penc, R.Zaleski, A.Jeziński, A.Szytuła, A.Kołodziejczyk, V.Ivanov
Photoemission electronic states of $(Mn_{1-x}Fe_x)_5Si_3$
Acta Physica Polonica A, Vol. 107, No. 5, 2005, 967-976
2. P.Kędziora
Short-range order fluctuation in the isotropic phase of solutions of 4-trans-4'-n-dodecylanobiphenyl in benzene studied by nonlinear dielectric spectroscopy.
Acta Physica Polonica Vol. 107, No.6, 2005, 907-916
3. M.Maćkowiak
Multidimensional NQR spectroscopy - a new tool in studies of molecular dynamics.
Acta Physica Polonica A, Vol. 108, No. 1, 2005, 61-72
4. J.Tritt-Goc, J.Boguszyńska, M.Szwaj, L.Boutellier, J.Jadzyn
Gelation process of toluene-based bis-urea in cyclohexane studied with magnetic resonance imaging.
Acta Physica Polonica A, Vol. 108, No. 1, 2005, 81-87
5. J.Goslar, W.Hilczar, H.Smogór
ESR studies of fast electron irradiated ferroelectric poly (vinylidene fluoride)
Acta Physica Polonica A, Vol. 108, No. 1, 2005, 89-94
6. J.Kaszyński, Z.Trybuła, H.Małuszyńska
Dielectric properties of $K_{1-x}(NH_4)_xH_2PO_4$ ($x=0.095$) crystal.
Acta Physica Polonica A, Vol. 108, No. 1, 2005, 103-106
7. M.Wejchan-Judek, S.K.Hoffmann, J.Goslar, J.Garbarczyk
The role of ferric(III) oxide in poly-(1,4-Phenylene sulphide) curing. EPR and X-ray studies.
Acta Physica Polonica A, Vol. 108, No. 1, 2005, 107-112
8. O.Raita, M.N.Grecu, X.Filip, D.Toloman, L.M.Giurgiu, S.Idziak, S.K.Hoffmann
Influence of the grain size on polaron transport in nanostructured $La_{2/3}Ca_{1/3}MnO_3$ evidenced by EPR.
Acta Physica Polonica A, Vol. 108, No. 1, 2005, 113-118
9. A.Ostrowski, S.Waplak, W.Bednarski
EPR study of VO^{2+} center in fast proton conductor $K_3H(SO_4)_2$.
Acta Physica Polonica A, Vol. 108, No. 1, 2005, 127-135
10. A.Rachocki, E.Markiewicz, J.Tritt-Goc
Dielectric relaxation in cellulose and its derivatives.
Acta Physica Polonica A, Vol. 108, No. 1, 2005, 137-145

11. W.Medycki, J.Swiergiel, R.Jakubas, K.Holderna-Natkaniec
¹H NMR study of molecular dynamics of 4-apyH cation under high hydrostatic pressure
Acta Physica Polonica A, Vol. 108, No. 1, 2005, 161-164
12. Z.Trybuła, W.Kempiński, B.Andrzejewski, L.Piekara-Sady, J.Kaszyński, J.Piekoszewski,
Z.Werner, E.Richter, F.Prokert, J.Stanisławski, M.Barlak
*Formation of superconducting regions of MgB₂ by implantation of boron ions into
magnesium substrate.*
Acta Physica Polonica A, Vol. 108, No. 1, 2005, 165-170
13. S.Idziak, S.K.Hoffmann, J.Goslar
*Electron spin relaxation of Cu(II) ions in ZnGeF₆·6H₂O crystal with strong Jahn-Teller
effect.*
Acta Physica Polonica A, Vol. 108, No. 1, 2005, 177-185
14. J.Tritt-Goc, J.Kowalczyk, N.Piślewski
Hydration of hydroxypropylmethyl cellulose: effects of pH and molecular mass.
Acta Physica Polonica A, Vol. 108, No. 1, 2005, 197-205
15. J.Stankowski
EPR effect in magnetic dependent dissipation in high temperature superconductors.
Acta Physica Polonica A, Vol. 108, No. 2, 2005, 243-246
16. S.Waplak, W.Bednarski, A.Ostrowski
Pretransition phenomena in fast-proton conductors.
Acta Physica Polonica A, Vol. 108, No. 2, 2005, 261-270
17. Yu.V.Yablokov, M.A.Augustyniak-Jabłokow, S.Borshch, C.Daniel, H.Hartl
Intramolecular and lattice dynamics in V^{IV}_{6-n}V^V_n(OCH₃)₁₂ crystal.
Acta Physica Polonica A, Vol. 108, No. 2, 2005, 271-281
konferencyjne
18. A.Krupska, M.A.Augustyniak-Jabłokow, Yu.V.Yablokov, V.V.Zelentsov
Spin transition diagram of (2Me-5Et-PyH)[Fe⁹Th-5Cl-Sa]₂ studied by EPR.
Acta Physica Polonica A, Vol. 108, No. 2, 2005, 291-296
konferencyjne
19. H.Śmigielska, G.Lewandowicz, J.Goslar, S.K.Hoffmann
*Binding of the trace elements: Cu(II) and Fe(III) to the native and modified nutritive
potato starches studied by EPR.*
Acta Physica Polonica A, Vol. 108, No. 2, 303-310, 2005
konferencyjne
20. G.Grampp, P.B.Szczaniecki, S.Żurek, W.Bednarski
*Temperature dependence of g tensor anisotropy in (tm-p-PD):chloranil, charge
transfer complex powders.*
Acta Physica Polonica A, Vol. 108, No. 2, 317-321, 2005
21. J.Goslar, M.Wojciechowska, M.Zieliński, I.Tomska-Foralewska, W.Przystajko
*Structure characterization and catalytic properties of Cr₂O₃ doped with MgO supported on
MgF₂.*
Acta Physica Polonica A, Vol. 108, No. 2, 323-330, 2005
Konferencyjne

22. M.Wencka, S.K.Hoffmann, H.Hercman
EPR dating of hydroxyapatite from fossil bones. Transient effect after γ and UV irradiation.
Acta Physica Polonica A, Vol. 108, No. 2, 331-337, 2005
konferencyjne
23. M.Kempiński, W.Kempiński, M.Śliwińska-Bartkowiak
Size modification of nanographite system of activated carbon fibers studied by EPR.
Acta Physica Polonica A, Vol. 108, No. 2, 2005, 339-343
24. M.A.Augustyniak-Jabłokow, Yu.V.Yablokov, T.A.Ivanova, I.Jacyna-Onyszkiewicz,
V.A.Shustov
The origin of EPR signal in SrCuO₂ ceramics.
Acta Physica Polonica A, Vol. 108, No. 2, 2005, 345-351
Konferencyjne
25. S.Łoś, L.Duclaux, M.Letellier, P.Azais
Study of adsorption properties on lithium doped activated carbon materials.
Acta Physica Polonica A, Vol. 108, No. 2, 2005, 371-377
26. K.Kaszyńska, Z.Trybuła, M.D.Glinchuk, I.P.Bykov, V.V.Laguta
The local order in K₂O₃ admixed by the ions of Li⁺.
Acta Physica Polonica A, Vol. 108, No. 2, 379-383, 2005
27. J.Jadżyn, D.Bauman, J.L.Dejardin, M.Ginovska, G.Czechowski
Anomalous dielectric relaxation in binary mixtures of mesogenic solvent/non-mesogenic solute.
Acta Physica Polonica A, Vol. 108, No. 3, 2005, 479-489
28. B.R.Bułka, P.Stefański, A.Tagliacozzo
Interplay of Kondo and Fano resonance in electronic transport in nanostructures.
Acta Physica Polonica A Vol. 108, No. 4, 2005, 555-569
29. W.Szuskiewicz, M.Jouanne, J.F.Morhange, M.Chernyshova, L.Kowalczyk,
E.Łusakowska, P.Wandziuk, T.Luciński
Optical studies of non-magnetic spacer in thin Fe/Si multilayers.
Acta Physica Polonica A Vol. 108, No. 5, 2005, 891-896
konferencyjne
30. M.Wencka, S.K.Hoffmann, R.Krzyminiewski, S.Mielcarek
Temperature effects in ESR spectra of radical centres in dripstone calcite samples used for ESR dating.
Acta Physica Polonica A Vol. 108, No. 3, 2005, 491-503
- Applied Magnetic Resonance**
31. S.Waplak, W.Bednarski, A.Ostrowski
Nonlinear effects in fast-proton conductors studied by EPR and bulk methods.
Applied Magnetic Resonance 28, 2005, 115-122
32. K.Falińska, K.Holderna-Natkaniec, K.Jurga, W.Medycki, A.Szyczewski
Proton Relaxation Studies of 17 α -Hydroxy- and 21-Hydroxy-Progesterones by ¹H NMR
Applied Magnetic Resonance 29, 2005, 195-204

Cement and Concrete Research

33. J.Boguszyńska, M.C.A.Brown, P.J.McDonald, J.Mitchell, M.Mulheron, J.Tritt-Goc, D.A.Verganelakis
Magnetic resonance studies of cement based materials in inhomogeneous magnetic fields.
Cement and Concrete Research 35, 2033-2040, 2005

ChemPhysChem

34. I.Danielewicz-Ferchmin, A.R.Ferchmin
Phase diagram of electrostricted H₂O at surfaces of electrodes at 273-373K: electric critical point of water.
ChemPhysChem 6, 1499-1509, 2005

Comptes Rendus Chimie

35. L.Ouahab, F.Setifi, S.Golhen, T.Imakubo, R.Lescouëzec, F.Lloret, M.Julve, R.Świetlik
Charge transfer salts containing a paramagnetic cyano-complex and iodine substituted organic donor involving $-I_{(donor)} \cdots N_{(anion)}$ -interactions.
Comptes Rendus Chimie 8, 1286-1297, 2005

Czechoslovak Journal of Physics

36. R.Świrkowicz, M.Wilczyński, J.Barnaś
Non-equilibrium Kondo effect in electronic transport through quantum dots.
Czechoslovak Journal of Physics, Vol. 54, **2004**, Suppl. D, D615-D618

Crystallography Reports

37. L.F.Kirpichnikova, M.Połomska, A.Pietraszko, V.S.Shakhmatov, B.Hilczer
Characteristic features of the change of domain structure in mixed $[(NH_4)_{1-x}Rb_x]_3H(SO_4)_2$ crystals in the vicinity of superprotonic phase transition.
Crystallography Reports Vol. 50, No.1, 2005, 108-114

Cryst. Res. Technol.

38. S.Mielcarek, Z.Tylczyński, Z.Trybuła, S.Łoś, and B.Mróz
Thermal conductivity of $Tb_2(MnO_4)_3$ crystals at low temperatures.
Cryst. Res. Technol. **40**, No. 12, 1146 (2005)

The European Physical Journal B

39. J.Dubowik, F.Stobiecki, I.Gościańska, Y.P.Lee, A.Paetzold, K.Röll
Temperature dependence of ferromagnetic resonance in permalloy/NiO exchange-biased films.
The European Physical Journal B 45, 2005, 283-288
40. I.Weymann, J.Barnaś
Cotunneling through a quantum dot coupled to ferromagnetic leads with noncollinear magnetizations.
European Physical Journal B 46, 289-299, 2005

Ferroelectrics

41. M.Zdanowska-Frączek, R.Jakubas, P.Czarnecki
Compositional and pressure effects on the phase transition in ferroelectric $NH_4H(ClH_2CCOO)_2$.
Ferroelectrics 316, 2005, 1-5
42. B.Hilczer, J.Kulek, M.Połomska, M.D.Glinchuk, A.V.Ragulya, A.Pietraszko
Dielectric and pyroelectric response of $BaTiO_3$ -PVDF nanocomposites.
Ferroelectrics 316, 31-41, 2005
Konferencyjne

43. N.N.Kolpakova, P.Czarnecki, P.P.Syrnikov, M.P.Shcheglov, L.Szczepańska
Nano-scale frustrated $Cd_2Nb_2O_7$ ferroics.
Ferroelectrics 318, 155-161, 2005
Konferencyjne
44. Z.Trybuła, J.Kaszyński, H.Małuszyńska
Phases coexistence of hydrogen-bonded $K_{1-x}(NH_4)_xH_2PO_4$ crystal.
Ferroelectrics 316, 125-129. 2005
- Journal of Alloys and Compounds**
45. A.Szajek, J.A.Morkowski, A.Bajorek, G.Chełkowski, R.Troć
X-ray photoemission spectra and electronic band structure of the ternary compounds $U_3M_2M'_3$, $M = Al, Ga, M' = Si, Ge$.
Journal of Alloys and Compounds 386, 2005, 75-81
46. L.Smardz
Structure and magnetic properties of Fe/Zr multilayers.
Journal of Alloys and Compounds 395, 2005, 17-22
Konferencyjne
47. A.Szajek, M.Makowiecka, E.Jankowska, M.Jurczyk
Electrochemical and electronic properties of nanocrystalline $TiNi_{1-x}M_x$ ($M = Mg, Mn, Zr$; $x = 0, 0.125, 0.25$) ternary alloys.
Journal of Alloys and Compounds 403, 323-328, 2005
- Journal of Applied Physics**
48. V.K.Dugaev, J.Barnaś
Classical description of current-induced spin-transfer torque in multilayer structures.
Journal of Applied Physics 97, 2005, 023902-1 do 023902-6
49. N.Guskos, E.A.Anagnostakis, V.Likodimos, T.Biodziony, J.Typek, M.Maryniak, U.Narkiewicz, I.Kucharewicz, S.Wapłak
Ferromagnetic resonance and ac conductivity of a polymer composite of Fe_3O_4 and Fe_3C nanoparticles dispersed in a graphite matrix.
Journal of Applied Physics 97, 2005, 024304-1 do 024304-6
50. Y.V.Kudryavtsev, V.A.Oksenenko, N.N.Lee, Y.P.Lee, J.Y.Rhee, J.Dubowik
Effect of structural disorder on some physical properties of the Cu_2MnAl Heusler alloy films.
Journal of Applied Physics 97, 2005, 113903-1 do 113903-8
Konferencyjne
- The Journal of Chemical Physics**
51. J-L.Dejardin, J.Jadżyn
Anomalous Kerr effect relaxation in an alternating field.
The Journal of Chemical Physics 122, 2005, 074502-1 do 074502-9
52. J-L.Dejardin, J.Jadżyn
Anomalous dielectric relaxation in strong ac external fields.
The Journal of Chemical Physics 123, 174502-1 do 174502-6, 2005
53. D.M.Heyes, A.C.Brańka
The influence of potential softness on the transport coefficients of simple fluids.
The Journal of Chemical Physics 122, 2005, 234504-1 do 234504-9

54. K.V.Tretiakov, K.W.Wojciechowski
Poisson's ratio of the fcc hard sphere crystal at high densities.
The Journal of Chemical Physics 123, 074509-1 do 074509-8, 2005
- The Journal of Physical Chemistry A**
55. L.Latanowicz, W.Medycki, R.Jakubas
The effect of low-temperature dynamics of the dimethylammonium group in $[(CH_3)_2NH_2]_3Sb_2Cl_9$ on proton spin-lattice relaxation and narrowing of the proton NMR line.
The Journal of Physical Chemistry A, Vol. 109, No. 14, 2005, 3097-3104
- Journal of Magnetism and Magnetic Materials**
56. M.Kopcewicz, T.Luciński, P.Wandziuk
Mössbauer and magnetic study of interface structure of Fe/Si_xFe_{1-x} multilayers with antiferromagnetic interlayer coupling.
Journal of Magnetism and Magnetic Materials 286, 2005, 488-492
Konferencyjne
57. M.Kopcewicz, F.Stobiecki, J.Jagielski, B.Szymański, M.Urbaniak, T.Luciński
Modification of microstructure and magnetic properties of Fe/Cr multilayers caused by ion irradiation.
Journal of Magnetism and Magnetic Materials 286, 2005, 437-441
Konferencyjne
58. P.Kopcansky, I.Potocova, M.Koneracka, M.Timko, A.G.M. Janse, J.Jadzyn, G.Czechowski
The anchoring of nematic molecules on magnetic particles in some types of ferronematics.
Journal of Magnetism and Magnetic Materials 289, 2005, 101-104
59. A.Handstein, U.K.Röbler, B.Idzikowski, N.Kozlova, K.Nenkov, K.-H.Müller, A.Kreyssig, M.Loewenhaupt, A.Heinemann, A.Hoell, N.Stüßer
Change of magnetoresistivity and magnetic structure of $MnAu_2$ by ion substitution
Journal of Magnetism and Magnetic Materials 290-291, 2005, 1093-1096
60. W.Rudziński, R.Świrkowicz, J.Barnaś, M.Wilczyński
Transport through a single discrete level for non-collinear magnetic polarizations of the electron reservoirs
Journal of Magnetism and Magnetic Materials 294, 2005, 1-9
61. T.Mito, M.Shimode, T.Koyama, M.Nakamura, S.Wada, M.Reiffers, B.Idzikowski, J.L.Sarrao, T.C.Kobayashi
Pressure effect on the magnetic properties in $YbXCu_4$ ($X=In$ and Cu).
Journal of Magnetism and Magnetic Materials 290-291, 2005, 405-407
62. M.Wilczyński, R.Świrkowicz, W.Rudziński, J.Barnaś, V.Dugaev
Quantum dots attached to ferromagnetic leads: possibility of new spintronic devices.
Journal of Magnetism and Magnetic Materials 290-291, 209-212, 2005
- Journal of Molecular Structure**
63. M.Maćkowiak, N.Sinyavsky, B.Blumich
Two-dimensional exchange ^{35}Cl NQR spectroscopy of hexachloroethane.
Journal of Molecular Structure 743, 2005, 53-57

64. A.Wesełucha-Birczyńska, B.J.Oleksyn, J.Śliwiński, J.Goslar, W.Hilczer, S.K.Hoffmann
Crystal structure and EPR studies of (cinchonineH₂)₂(CdCl₄)(Cd/CuCl₄) crystals with thermochromic and Jahn-Teller effect.
Journal of Molecular Structure **751**, 109-120, 2005
- Journal of Physics and Chemistry of Solids**
65. M.Zdanowska-Frańczek, R.Jakubas, P.Czarnecki
Decoupling of the order-disorder and displacive contributions to the transition in NH₄H(ClH₂CCOO)₂
Journal of Physics and Chemistry of Solids **66**, 2005, 845-850
- Journal of Physics: Condensed Matter**
66. J.Jadżyn, G.Czechowski, J-L.Dejardin, M.Ginovska
Anomalous rotational diffusion in the vicinity of the isotropic to nematic phase transition.
Journal of Physics: Condensed Matter **17**, 2005, 813-819
67. P.Szkларz, J.Zaleski, R.Jakubas, G.Bator, W.Medycki, K.Falińska
The structure, phase transition and molecular dynamics of [C(NH₂)₃]₃[Sb₂Br₉]
Journal of Physics: Condensed Matter **17**, 2005, 2509-2528
- Journal of Polymer Research**
68. A.Rachocki and J.Tritt-Goc
The molecular origin of the nuclear magnetic relaxation in the methyl cellulose and hydroxypropylmethylcellulose.
Journal of Polymer Research DOI: 1007/s10965-005-9026-6
Wersja elektroniczna
- Liquid Crystals (20 pkt.)**
69. M.Ginovska, G.Czechowski, J.-L.Dejardin, J.Jadżyn, L.Hellemans
Static and dynamic dielectric effects in the vicinity of the isotropic to nematic phase transition in 7CB.
Liquid Crystals Vol. 32, No. 5, 2005, 625-631
- Materials Science and Engineering B**
70. M.Połomska, J.Wolak, L.F.Kirpichnikova
Effect of ferroic domain pattern changes on the Raman spectra of some ferroic crystals.
Materials Science and Engineering B **120**, 2005, 76-8
Konferencyjne
- Mol. Cryst. Liq. Cryst**
71. F.Goc, Ch.Selbmann, S.Rauch, G.Heppke, R.Dąbrowski
Induction of antiferroelectric phases in high tilt chiral smectics by doping with bent-shaped liquid crystals
Mol. Cryst. Liq. Cryst. **439**, 147-160 (2005)
- Molecular Physics**
72. D.M.Heyes, G.Rickayzen, A.C.Brańka
Static properties and time correlation functions of fluids with steeply repulsive potentials.
Molecular Physics, Vol. 102, No.19-20, **2004**, 2057-2070
73. A.C.Brańka, D.M.Heyes
Equation of state of inverse power fluids.
Molecular Physics, Vol. 102, No.19-20, **2004**, 2049-2056
74. A.C.Brańka, D.M.Heyes
The effects of particle softness on the dynamics of molecular and colloidal systems.
Molecular Physics, Vol. 103, No. 17, 2359-2373, 2005

Molecular Simulation

75. A.C.Branka and D.M,Heyes
The role of particle softness in determining the value of Poisson's ratio for soft sphere solids.
Molecular Simulation vol. 31, No 13, 937-944 (2005)
76. M.D.Heyes and A.C.Branka
Mechanical, rheological and transport properties of soft particle fluids.
Molecular Simulation vol. 31, No 13, 945-959 (2005)

Materials Science-Poland

77. A.Graja, M.Golub
Highly conducting organic composites obtained by charge transfer reaction in the solid state.
Materials Science – Poland, Vol. 22, No.4, **2004**, 317-331
78. J.Wiśniewska, I.Weymann, J.Barnaś
Spin-dependent transport in ferromagnetic single-electron transistors with non-collinear magnetizations.
Materials Science – Poland, Vol. 22, No.4, **2004**, 461-467
79. W.I.Babiaczyk, B.R.Bułka
Formation of the Kondo resonance in two-atom molecular systems for various interaction limits.
Materials Science – Poland, Vol. 22, No.4, **2004**, 529-536
80. M.Wawrzyniak, J.Barnaś
Influence of interface spin-flip processes on spin accumulation and spin currents in magnetic multilayers.
Materials Science – Poland, Vol. 22, No.4, **2004**, 537-544
81. B.Barszcz, A.Łapiński, A.Graja, A.M.Flakina, R.N.Lyubovskaya
Spectral studies of new organic conductors based on TTF derivatives with polymeric isocyanuric acid anions.
Materials Science – Poland, Vol. 22, No.4, **2004**, 339-345
82. I.Olejniczak, B.Gromadziński, A.Graja, T.Devic, P.Batail
Optical properties of the one-dimensional organic conductors β -(EDT-TTF- I_2)₂(Pb_{5/6} ^{1/6}I₂)₃ and β -(EDT-TTF- I_2)₂(Pb_{2/3+x}Ag_{1/3+x} ^xI₂)₃, $x = 0.05$.
Materials Science – Poland, Vol. 22, No.4, **2004**, 347-352
83. S.Lipiński, B.R.Bułka, D.Krychowski
Spin-dependent transport through a double dot system.
Materials Science – Poland, Vol. 22, No. 4, **2004**, 513-522
konferencyjna

Molecular Crystals and Liquid Crystals

84. V.A.Belyakov, W.Kuczyński
Surface anchoring and twisting of thin nematic layers influenced by thermal fluctuations.
Molecular Crystals and Liquid Crystals 438, 123[1687]-140[1704], 2005

New Journal of Chemistry

85. M.A.Augustyniak-Jabłokow, S.Borshch, C.Daniel, H.Hartl, Yu.V.Yablokov
EPR study of the magnetic states of a mixed-valence $V_4^IV V_2^V$ alkoxypolyoxovanadium cluster.
New Journal of Chemistry 29, 1064-1071, 2005

Physica A

86. W.Jeżewski
Scale-free properties of weighted networks with connectivity-driven topology.
Physica A 354, 2005, 672-680

Physica B

87. R.Troć, Z.Bukowski, C.Sułkowski, J.A.Morkowski, A.Szajek, G.Chełkowska
Magnetic, transport and electronic structure properties of U_2RuGa_8 .
Physica B 359-361, 1375-1377, 2005;
Erratum: Physica B 366, 205, 2005

Physical Chemistry Chemical Physics

88. D.M.Heyes, A.C.Brańka
Transport coefficients of soft sphere fluids.
Physical Chemistry Chemical Physics 7, 2005, 1220-1227

Physical Review B

89. W.Rudziński, J.Barnaś, R.Świrkowicz, M.Wilczyński
Spin effects in electron tunneling through a quantum dot coupled to noncollinearly polarized ferromagnetic leads.
Physical Review B 71, 2005, 205307-1 do 20530710
90. R.Wesołowski, J.T.Haraldsen, J.Cao, J.L.Musfeld, I.Olejniczak, J.Choi, Y.J.Wang, J.A.Sclueter
Understanding the totally symmetric intramolecular vibrations in κ -phase organic superconductors.
Physical Review B 71, 2005, 214514-1 do 214514-5
91. J.L.Musfeld, R.Świetlik, I.Olejniczak, J.E.Eldrige, U.Geiser
Understanding electron-molecular vibrational coupling in organic molecular solids: experimental evidence for strong coupling of the 890-cm^{-1} mode in ET-based materials.
Physical Review B 72, 2005, 014516-1 do 014516-7
92. T.Kostyrko, B.Bułka
Hubbard operators approach to the transport in molecular junctions.
Physical Review B 72, 2005, 235306-1 do 235306-10
93. N.N.Kolpakova, P.Czarnecki, W.Nawrocik, M.P.Shcheglov, P.P.Syrnikov, L.Szczepańska
Crossover from glassy to ferroelectric polarization behavior under a dc bias electric field in relaxor ferroelectrics.
Physical Review B 72, 2005, 024101-1 do 024101-6
94. V.K.Dugaev, J.Barnas, J.Berakdar, V.I.Ivanov, W.Dobrowolski, V.F.Mitin
Magnetoresistance of a semiconducting magnetic wire with a domain wall.
Physical Review B 71, 2005, 024430-1 do 024430-5
95. I.Weymann, J.Barnaś, J.König, J.Martinek, G.Schön
Zero-bias anomaly in cotunneling transport through quantum-dot spin valves.
Physical Review B 72, 113301-1 do 113301-4, 2005

96. J.Barnaś, A.Fert, M.Gmitra, I.Weymann, V.K.Dugaev
From giant magnetoresistance to current-induced switching by spin transfer.
Physical Review B 72, 024426-1 do 024426-12, 2005
97. J.Martinek, M.Sindel, L.Borda, J.Barnaś, R.Bulla, J.König, G.Schön, S.Maekawa, J.von Delft
Gate-controlled spin splitting in quantum dots with ferromagnetic leads in the Kondo regime.
Physical Review B 72, 121302(R)-1 do 121302(R)-4, 2005
98. I.Weymann, J.König, J.Martinek, J.Barnaś, G.Schön
Tunnel magnetoresistance of quantum dots coupled to ferromagnetic leads in the sequential and cotunneling regimes.
Physical Review B 72, 115334-1 do 115334-13, 2005
- Physical Review E**
99. J.Jadzyn, G.Czechowski, D.Bauman, J.L.Dejardin, H.Kresse, R.Douali, C.Legrand
Dipolar interactions in liquids and linear dielectric relaxation spectroscopy.
Physical Review E 71 2005, 052701-1 do 052701-4
100. J.Jadzyn, G.Czechowski, M.Ginovska
Pretransitional critical-like behavior of dielectric permittivity in mixtures of mesomorphic and nonmesomorphic compounds.
Physical Review E 71, 2005, 052702-1 do 052702-4
101. W.Kuczyński, J.Hoffmann
Determination of piezoelectric and flexoelectric polarization in ferroelectric liquid crystals.
Physical Review E 72, 041701-1 do 041701-6, 2005
- physica status solidi (a)**
102. M.Urbaniak, F.Stobiecki, B.Szymański
Interlayer coupling induced by domain structure in NiFe/Au/Co/Au multilayer.
physica status solidi (a) 202, No. 10, 2005, 2013-2020
konferencyjne
- physica status solidi (b)**
103. J.Barnaś, R.Świrkowicz, M.Wilczyński, W.Rudziński
Spin valve effect in electronic transport through quantum dots.
physica status solidi ©, No.12, **2004**, 3339-3342
104. A.Kowalczyk, M.Pugaczowa-Michalska, T.Toliński
Electronic band structure of the CeNi₄Ga compounds.
physica status solidi (b) 242, No. 2, 2005, 433-437
105. S.Krompiewski
Spin-polarized transport through carbon nanotubes.
physica status solidi (b) 242, No. 2, 2005, 226-233
konferencyjna
106. W.Rudziński, J.Barnaś, R.Świrkowicz, M.Wilczyński
Spin precession in spin-polarized transport through an interacting quantum dot.
physica status solidi (b) 242, No. 2, 2005, 342-346

107. M.Pugaczowa-Michalska, A.Go, L.Dobrzyński
Electronic structure and magnetism of $Fe_{3-x}Mn_xAl$ alloys.
physica status solidi (b) 242, No. 2, 2005, 463-467
108. T.Toliński, M.Pugaczowa-Michalska, G.Chełkowska
Electronic structure and photoemission studies of $TbNi_4B$.
physica status solidi (b) 242, No. 2, 2005, 474-478
109. M.Kowalik, K.W.Wojciechowski
Poisson's ratio of degenerate crystalline phases of three-dimensional hard dimers and hard cyclic trimers.
physica status solidi (b) 242, No. 3, 2005, 626-631
110. V.V.Novikov, K.W.Wojciechowski
Extreme viscoelastic properties of composites of strongly inhomogeneous structures due to negative stiffness phases.
physica status solidi (b) 242, No. 3, 2005, 645-652
111. K.V.Tretiakov, K.W.Wojciechowski
Monte Carlo simulation of two-dimensional hard body systems with extreme values of the Poisson's ratio.
physica status solidi (b) 242, No. 3, 2005, 730-741
112. T.Toliński, A.Szewczyk, M.Gutowska, A.Kowalczyk
Specific heat of RNi_4Al ($R = Y, Ce, Nd$) compounds.
physica status solidi (b) 242, No. 5, 2005, R40-R42

Physics of the Solid State

113. S.Kostyrya, Z.Śniadecki, B.Idzikowski
Structural changes in amorphous $Fe_{14}Ni_{40}Zr_7B_{12}$ alloy under heat treatment.
phys. sta. sol. (b) No. 3, 2005, 621-625
114. R.M.Vlasova, N.V.Drichko, B.V.Petrov, V.N.Semkin, E.I.Zhilyaeva, R.N.Lyubovskaya, I.Olejniczak, A.Kobayashi, H.Kobayashi
Optical properties of new organic conductors based on the BEDT-TSeF molecule (the κ -(BETS) $_4$ Hg $_{2.84}$ Br $_8$ superconductor and κ -(BETS) $_4$ Hg $_3$ Cl $_8$ metal) in the range 300 – 15 K.
Physics of the Solid State Vol. 46, No. 11, 2004, 1985-1993
115. M.Olszowy, Cz.Pawlaczyk, E.Markiewicz, J.Kułek
Dielectric and pyroelectric properties of $BaTiO_3$ -PCV composites.
phys. stat. sol. (a) 202, No. 9, 2005, 1848-1853
116. T.A.Ivanova, I.Jacyna-Onyszkiewicz, M.A.Augustyniak-Jabłokow, Yu.V.Yablokov, V.A.Shustov
Electron spin resonance of localized copper states in $Sr_{1-x}A_xCuO_2$ ceramics ($A=Li^+, K^+, La^{3+}; x \leq 0.15$)".
Physics of the Solid State Vol. 47, No. 8, 2005, 1540-1543
konferencyjne

Polymer

117. A.Wolińska-Grabczyk, W.Bednarski, A.Jankowski, S.Wapłak
Temperature dependence of molecular motions in the polyurethane-based membranes studied with paramagnetic spin probe.
Polymer 46, 2005, 2461-2471

e-polymers

118. M.Olszowy, Cz.Pawlaczyk, E.Markiewicz, J.Kulek
Dielectric and pyroelectric response of lead zirconate titanate-poly(vinyl chloride) composites.
e-Polymers 2005, 1- 6 http://www.e-polymers.org/papers/Olszowy1_221105.pdf

Solid State Communications

119. P.Stefański, A,Tagliacozzo, B.R.Bułka
Charge dynamics effects in conductance through a large semi-open quantum dot.
Solid State Communications 135, 2005, 314-318
120. M.Zdanowska-Frączek, R.Jakubas
The pressure influence on the incommensurate-commensurate ferroelectric phase transition in [4-NH₂C₅H₄NH][SbCl₄].
Solid State Communications 136, 470-474, 2005
121. M.Zdanowska-Frączek, R.Jakubas
The pressure influence on the incommensurate-commensurate ferroelectric phase transition in [4-NH₂C₅H₄NH][SbCl₄].
Solid State Communications 136, 470-474, 2005

Solid State Ionics

122. A.Pawłowski, M.Połomska
Fast proton conducting hydrogen sulphates and selenates: Impedance spectroscopy, Raman scattering and optical microscope study.
Solid State Ionics 176, 2045-2051, 2005
Konferencyjne

Solid State Nuclear Magnetic Resonance

123. J.Tritt-Goc, J.Kowalczyk
Spatially Resolved Solvent Interaction with glassy HPMC polymers studied by magnetic resonance microscopy.
Solid State Nucl. Magn. Resonance 28, 250-257, 2005

Solid State Sciences

124. R.Jakubas, B.Bednarska-Bolek, J.Zaleski, W.Medycki, K.Hołderna-Natkaniec, P.Zieliński, M.Gałazka
Structure, phase transitions and molecular dynamics in ferroelastic crystal pyrrolidinium hexachloroantimonate(V), [C₄H₈NH₂][SbCl₆].

Synthetic Metals

125. R.Świetlik, A.Łapiński, M.Połomska, N.D.Kushch, A.N.Chekhlov
Spectroscopic investigations of the BEDT-TTF charge transfer salts with NO₃⁻ anions (β'' - and δ -phase).
Synthetic Metals 149, 2005, 79-88
126. R.Świetlik, K.Yakushi, K.Yamamoto, T.Kawamoto, T.Mori
Infrared and Raman studies of the phase transition in the organic conductor (TTM-TTP)I₃.
Synthetic Metals 150, 2005, 83-92
127. A.Łapiński, K.Klemp, A.Graja, T.G.Prokhorova
Spectral investigations of organic metals β'' -(BEDT-TTF)₄A[M(c₂O₄)₃].DMF, where A=NH₄⁺, K⁺ and M=Cr^{III}, Fe^{III}.
Synthetic Metals 151, 191-196, 2005

128. A.Graja, D.Wróbel, A.Boguta, I.Olejniczak, A.Bogucki
Chromophoric interactions in [60]fullerene-porphyrin dyads studied by spectral methods.
Synthetic Metals 152, 97-100, 2005

Vacuum

129. J.Piekoszewski, W.Kempiński, B.Andrzejewski, Z.Trybuła, L.Piekara-Sady, J.Kaszyński, J.Stankowski, Z.Werner, E.Richter, F.Prokert, J.Stanisławski, M.Barlak
Superconductivity of MgB_2 thin films prepared by ion implantation and pulsed plasma treatment.
Vacuum 78, 2005, 123-129

Wood Research

130. B.Mazela, I.Polus-Ratajczak, S.K.Hoffmann, J.Goslar
Copper monoethanolamine complexes with quaternary ammonium compounds in wood preservation, biological testing and EPR study.
Wood Research 50 (2), 1-16, 2005

IV. PUBLIKACJE W INNYM RECENZOWANYM CZASOPISIE ZAGRANICZNYM LUB CZASOPISIE POLSKIM O ZASIĘGU CO NAJMNIJ KRAJOWYM

Academia

1. W.Kuczyński
Far-From-Ordinary Crystals
Academia 4 (8), 20-22 (2005)

Annales Polish Chemical Soc

2. H.Śmigielńska, G.Lewandowicz, J.Goslar, S.K.Hoffmann
Copper (II) complexes with potato starch and its modifications studied by Electron Paramagnetic Resonance.
Annals of the Polish Chemical Society, Vol. 3, Part 1, 2004, 284-287
3. M.Zieliński, M.Wojciechowska, M.Pietrowski, J.Goslar
Ru/MgF₂ as a catalyst for NO reduction by CO.
Annals of the Polish Chemical Society, Vol. 3, Part 2, 2004, 603-606

Computational Methods in Science and Technology

4. A.C.Brańka, D.M.Heyes
Elastic properties of inverse power fluids.
Computational Methods in Science and Technology 10(2), 2004, 127-136
5. K.W.Wojciechowski, D.Frenkel
Tetratic phase in the planar hard square system?
Computational Methods in Science and Technology 10(2), 2005, 235-255

Journal of Magnetism

6. F.Stobiecki, B.Szymański, T.Luciński, J.Dubowik, M.Urbaniak, K.Röll, J.B.Kim, K.W.Kim, Y.P.Lee
GMR in multilayers with an alternating in-phase and perpendicular anisotropy.
Journal of Magnetism 9(2), 2004, 40-46
7. J.Dubowik, Y.V.Kudryavtsev, Y.P.Lee
Ferromagnetic resonance observation of martensitic phase transformation in Ni-Mn-Ga ferromagnetic shape memory films.
Journal of Magnetism 9(2), 2004, 37-39

Metallofizika i Novejshie Tekhnologii

8. V.A.Oksenenko, Y.V.Kudryavtsev, N.N.Lee, Y.P.Lee, J.Y.Rhee, J.Dubowik
Effect of structural disorder on the magnetic, magneto-optical, optical and transport properties of the Cu₂MnAl Heusler alloy films.
Metallofizika i Novejshie Tekhnologii Vol. 26, No. 11, 2004, 1447-1462

Molecular Physics Reports

9. A.Krupska
EPR of the liquid-solid phase system of manganese chloride aqueous solution under high pressure.
Molecular Physics Reports 41, 2005, 104-111

Obróbka Plastyczna Metali

10. I.Wierszyłowski, L.Szcześniak
Wpływ obróbki kriogenicznej po hartowaniu na przemiany zachodzące podczas odpuszczania wybranych stali narzędziowych. Badania dylatometryczne i DTA.
Obróbka Plastyczna Metali nr 1, 2005, 31-36 (Materiałoznawstwo i obróbka cieplna)

Uspekhi Fiziki Metali

11. Y.V.Kudryavtsev, V.N.Uvarov, R.Gontarz, J.Dubowik, Y.P.Lee, J.Y.Rhee, Y.N.Makogon, E.P.Pavlova
Optical and magneto-optical spectroscopy of the nanostructural multilayered films, Possible applications.
Uspekhi Fiziki Metali 2005, T. 6, 1001-1034