

WYKAZ PRAC OPUBLIKOWANYCH W 2012 ROKU

1. WYKAZY PRAC OPUBLIKOWANYCH

1.1. PUBLIKACJE W CZASOPISMACH ZNAJDUJĄCYCH SIĘ W CZĘŚCI A WYKAZU MINISTRA, WYRÓŻNIONYCH PRZEZ JCR

1. P.Makk, D. Tomaszewski, J. Martinek, Z. Balogh, S. Csonka, M. Wawrzyniak, M. Frei, L. Venkataraman, A. Halbritter
Correlation analysis of atomic and single-molecule junction conductance.
ACS NANO Vol. 6, No. 4, 3411-3423, 2012
2. Y.V.Kudryavtsev, N.V. Uvarov, V.N. Iermolenko, I.N. Glavatsky, J. Dubowik
Electronic structure, magnetic and optical properties of Fe₂MnGa Heusler alloy.
Acta Materialia 60, 4780-4786, 2012
3. A.Jeziarski, B. Penc, A. Szytuła, A. Winiarski
Electronic Structure of CePtIn and LaPtIn Compounds.
Acta Physica Polonica A, vol. 122, 212-215, 2012
4. G. Michałek, B.R. Bułka
Interference Effects in Three-Terminal Hybrid Systems with Quantum Dots.
Acta Physica Polonica A, vol.122, 981, 2012
5. T.Toliński, A. Kowalczyk, M. Falkowski, K. Synoradzki, G. Chełkowska, A. Hoser, S. Rols
From Heavy Fermion and Spin-Glass Behavior to Magnetic Order in CeT₄M Compounds.
Acta Physica Polonica A, vol. 121, 1014, 2012
6. M. Falkowski, A. Kowalczyk
Thermopower power and thermal conductivity of heavy fermion CeCu₄Al.
Acta Physica Polonica A, vol. 121, 1056, 2012
7. S.Lipiński and D. Krychowski
Two Kondo Impurities in Armchair Graphene Nanoribbon.
Acta Physica Polonica A, vol. 121, No. 5-6, 1063, 2012
8. K.Synoradzki, T. Toliński
Specific Heat of the Ce(Ni_{1-x}Cu_x)₄Mn Compounds.
Acta Physica Polonica A, vol. 121, 1079, 2012
9. A.Dyrdał and J. Barnaś
Intrinsic Spin Hall and Spin Nernst Effects in Single-Layer Graphene: Tight-Binding vs. Effective Model.
Acta Physica Polonica A, vol. 121, No. 5-6, 1198, 2012
10. J.Dubowik, I. Gościańska, K. Załęski, H. Głowiński, A. Ehresmann, G. Kakazei, A. Bunyayev
Epitaxial growths and magnetization dynamics of Ni₂MnSn Heusler Alloy Films.
Acta Physica Polonica A, vol. 121 (2012) No 5-6, p. 1121-1123
11. J.Kaczkowski
Electronic Structure of Some Wurtzite Semiconductors: Hybrid functionals vs. Ab-Initio Man Body Calculations.
Acta Phys. Polonica A 121, 1142-1144, 2012

12. H.Głowiński, K. Załęski, J. Sprada, J. Dubowik
Exchange coupled NiFe/NiMn Bilayer studied by a Vector network analyzer ferromagnetic resonance.
Acta Physica Polonica A, vol. 121 (2012) No 5-6, p. 1145-1147
13. I.Gościańska, K. Załęski, H. Głowiński, Yu, V. Kudryavtsev, J.Dubowik
Exchange bias In Ni-Mn-Sn Hensler alloy films.
Acta Physica Polonica A, vol. 121 (2012) No 5-6, p. 1179-1181
14. M.Werwiński, A. Szajek, P. Leśniak, W.L. Malinowski, and M. Stasiak
Electronic Structure and Magnetic Properties of Ce₃CuPb₃ Based on Ab-Initio Calculations.
Acta Physica Polon A, vol. 121, 1182-1184, 2012
15. J.Łuczak and B.R. Bułka
Singlet-Triplet Switching Induced by Electric Field in Triple Quantum Dots.
Acta Physica Polon A, vol. 121, 1195-1197, 2012
16. K.Bocian, W. Rudziński, J. Barnaś
Andreev reflection in transport through a quantum dot coupled to ferromagnetic and superconducting electrodes.
Acta Physica Polonica A, vol. 121 (2012) No 5-6, p. 1201-1203
17. S.Krompiewski
Graphene Nanoribbons with End- and Side-Contacted Electrodes.
Acta Physica Polonica A, vol. 121, No. 5-6, 1216, 2012
18. K.Buchta, CH.Schmidt, G. Trykowski, S. Biniak, M. Kempieński, and T. Luciński
Magnetization reversal in cobalt nanocolumn structures obtained by glancing angle deposition.
Acta Physica Polonica A 121, 1222 (2012) WZ
19. S.B.Tooski and B.R. Bułka
Dark States and Transport through Quantum Dots.
Acta Physica Polonica A, vol. 121, 1231-1233, 2012
20. W.Gospodarczyk, M. Urbaniak, F. Stobiecki, B. Szymański
Giant Magnetoresistance of [Ni₈₀Fe₂₀/Au/Co/Au]_N Multilayers Deposited on Flexible Substrates.
Acta Physica Polonica A, vol. 121 (2012) No 5-6, p. 1234-1236
21. M.Zwierzycki
Transport Properties of Rippled Graphene.
Acta Physica Polonica A, vol. 121, No. 5-6, 1246, 2012
22. M.Werwiński and A. Szajek
Electronic Structure and Magnetic Properties of the UPdAs₂ Compound.
Acta Physica Polonica A, vol. 121, 1248-1150, 2012
23. N.Tomašovičová, M. Timko, M. Koneracká, V. Závišova, J. Jadzyn, E. Beaugnon, X.Chaud, P.Kopčanský
Magnetic field induced structural transitions in 6CHBT-based ferronematics.
Acta Physica Polonica A, vol. 121, 1276-1278 (2012)
24. M.Falkowski, T. Toliński, A. Kowalczyk
Magnetocaloric Effect in NdNi₄Si Compound.
Acta Physica Polonica A 121, 1290, 2012
25. Z.Mitróová, N. Tomašovičová, M. Timko, M. Koneracká, L. Tomčo, J. Jadzyn, T. Palewski, P. Kopčanský and O.V. Kovalchuk
Magnetic-field induced isotropic-nematic phase transition in PDLC doped with magnetic nanoparticles.
Acta Physica Polonica A, vol. 121, 1299-1301 (2012)

26. B.Andrzejewski, D. A. Pawlak, T. Klimczuk, S. Turczyński
Relation between Structure and Magnetic Properties of Microstructured PrAlO₃.
Acta Physica Polonica A, vol. 121, 1315-1317, 2012
B.Andrzejewski IFM PAS, Poznań
27. I.Śliwa, W. Wanarski
Model of temperature dependence of spontaneous polarization of thiourea monocrystal in phase I.
Acta Physica Polonica A **122**, 184 (2012)
28. A.Rachocki, L. Latanowicz, J. Tritt-Goc
Dynamic processes and chemical composition of Lepidium sativum seeds determined by means of field-cycling NMR relaxometry and NMR spectroscopy.
Analytical and Bioanalytical Chemistry 404, 3155–3164 (2012)
29. D.Kruk, A. Privalov, W. Medycki, C. Uniszkievicz, W. Masierak, R. Jakubas
NMR studies of solid-state dynamics – chapter 3
Annual Reports on NMR Spectroscopy Vol. 76, 67-138, 2012
30. B.Hilczer, M. Szafranski, A. Hilczer
Pressure-induced changes in the dielectric response of polymer relaxors.
Applied Physics Letters 100, 052904, 2012
31. J.Dubowik, K. Załęski, I. Gościńska, H. Głowiński, A. Ehresmann
Magnetoresistance and its relation to magnetization in Ni₅₀Mn₃₅Sn₁₅ shape-memory epitaxial films.
Applied Physics Letters 100, 162403, 2012
32. M.Matczak, P. Kuświk, B. Szymański, M. Urbaniak, M. Schmidt, J. Aleksiejew, F. Stobiecki, A. Ehresmann
Co/Au multilayers with graded magnetic anisotropy for magnetic field sensing.
Applied Physics Letters 100, 162402, 2012
33. A.Krupska, A.B. Więckowski, L. Słomińska, L. Jarosławski, R. Zielonka
Influence of heating time and pressure treatment of potato starch on the generation of radicals: EPR studies.
Carbohydrate Polymers 89, 54-60, 2012
34. M.Iwamoto, I. Śliwa, A.V. Zakharov
Field-induced dependence of anchoring energy and surface tension in smectic liquid crystal films deposited on a solid surface.
Chemical Physics Letters 534, 23-28, 2012
35. M.Owczarek, R. Jakubas, V. Kinzhybalo, W. Medycki, D. Kruk, A. Pietraszko, M. Gałązka, P. Zieliński
Crystal structure and characterization of a novel ferroelastic ionic crystal: 1-Aminopyridinium iodide (C₅H₇N₂)⁺I.
Chemical Physics Letters 537, 38-47, 2012
36. M.E. Plonska-Brzezinska, J. Mazurczyk, B. Palys, J. Breczko, A. Łapiński, L. Echegoyen
Preparation and characterization of composites that contain small carbon nano-onions and conducting polyaniline.
Chemistry–A European Journal 18, 2600-2608, 2012
37. M.E.Plonska-Brzezinska, M.Lewandowski, M.Błaszcyk, A.Molina-Ontoria, T.Luciński, L.Echegoyen
Preparation and Characterization of Carbon Nano-Onion/PEDOT:PSS Composites. WZ
ChemPhysChem 212, 13, 1-9
38. I.Płowaś, A. Białońska, G. Bator, R. Jakubas, W. Medycki, J. Baran
Tris(allylammonium) Hexabromobismuthate(III) – Crystal Structure, Phase Transitions and Thermal, Dielectric, Vibrational and ¹H NMR Properties Over a Range of Temperatures.
European Journal of Inorganic Chemistry Vol. 2012, No 4, 636-646, 2012

39. Y.V.Kudryavtsev, Y.P. Lee, Y.J. Yoo, M.S. Seo, J.M. Kim, J.S. Hwang, J. Dubowik, K.W. Kim, E.H. Choi, O. Prokhnenko
Transport properties of Co₂CrAl Heulser alloy films.
European Physical Journal B 85:19, 2012
40. B.A.Grzybowski, B. Kowalczyk, I. Lagzi, D. Wang, K. V. Tretiakov, and
Inorganic salts direct the assembly of charged nanoparticles into composite nanoscopic spheres, plates, or needles.
Faraday Discussions 159, 201-209, 2012
41. Z.Trybuła, Sz. Łoś, M. Trybuła, K. Kaszyńska, J. Dec, S. Miga, V.V. Laguta
K_{0.9982}Li_{0.0018}TaO₃ crystal under external dc electric field.
Ferroelectrics, 428, 36-42, 2012
42. J.Jadżyn, J. Świergiel
Electric relaxational effects induced by displacement current in dielectric materials.
Industrial and Engineering Chemistry Research 51, 807-813, 2012
43. B.Idzikowski, S. Mielcarek, P. Misiuna, Z. Śniadecki, A.C. Brańka
Mechanical properties of amorphous and partially crystalized Y₅₀Cu₂₄Al₈ alloys.
Intermetallics 21, 75-79, 2012
44. M. Falkowski, A. Kowalczyk
Thermopower of Ce_{1-x}La_xCu₄Al intermetallic compounds.
Intermetallics 20, 173-175, 2012
45. M.Pugaczowa-Michalska
Theoretical prediction of ferromagnetism in Mn₂FeB, Mn₂CoB and Mn₂NiB.
Intermetallics 24, 128-134, 2012
46. Z.Śniadecki, J.W. Narojczyk, B. Idzikowski
Calculation of glass forming ranges in the ternary Y-Cu-Al system and its sub-binaries based on geometric and Miedema's models.
Intermetallics 26, 72-77, 2012
47. M.Jurczyk, M. Nowak, A. Szajek, A. Jezierski
Hydrogen storage by Mg-based nanocomposites.
International Journal of Hydrogen Energy 37, 3652-3658, 2012
48. L.Smardz, M. Nowak, M. Jurczyk
XPS valence band studies of hydrogen storage nanocomposites.
International Journal of Hydrogen Energy 37, 3659-3664, 2012
49. J.Świergiel, J. Jadżyn
Temperature behavior of electric relaxational effects due to ionic conductivity in liquid lactones.
International Journal of Thermophysics 33, 783-794, 2012
50. A.Trzaskowska, S. Mielcarek, B. Graczykowski, F. Stobiecki
Surface waves investigation in NiFe?au?co/Au multilayers by high-resolution Brillouin spectroscopy.
Journal of Alloys and Compounds 517, 132-138, 2012
51. T.Toliński, M. Falkowski, K. Synoradzki, A. Hoser, N. Stüßer
Magnetocaloric effect in the ferromagnetic GdNi₄M (M = Al, Si) and antiferromagnetic NdNiAl₄ compounds.
Journal of Alloys and Compounds 523, 43-48, 2012

52. M. Falkowski, A. Kowalczyk
Thermal conductivity of $Ce_{1-x}La_xCu_4Al$ Kondo alloys.
Journal of Applied Physics 111, 093725, 2012
53. J. Świergiel, J. Jadżyn
Static dielectric permittivity of homologous series of liquid cyclic ethers, 3n-crown-n, n = 4 to 6.
Journal of Chemical and Engineering Data 57, 2271-2274, 2012
54. K.Tretiakov, K.W. Wojciechowski
Elasticity of twodimensional crystals of polydisperse hard disks near close packing: surprising behavior of the Poisson's ratio.
The Journal of Chemical Physics 136, 204506, 2012
55. D.Kruk, A. Korpala, E. Rössler, K.A. Earle, W. Medycki, J. Mościcki
 1H NMR relaxation in glycerol solutions of nitroxide radicals: effects of translational and rotational dynamics.
Journal of Chemical Physics 136, 114504, 2012
56. G.Rickayzen, A.C. Brańka, S. Pieprzyk, D.M. Heyes
Single particle force distributions in simple fluids.
Journal of Chemical Physics 137, 094505, 2012
57. S.K.Hoffmann, J. Goslar, S. Lijewski, K. Basiński, A. Gąsowska, L. Łomozik
EPR and potonetimetric studies of copper(II) binding to nicotinamide adenine dinucleotide (NAD) in water solution.
Journal of Inorganic Biochemistry 111, 18-24, 2012
58. S.K.Hoffmann, J.Goslar, S.Lijewski
Electron spin relaxation governed by Raman processes both for Cu^{2+} ions and carbonate radicals in $KHCO_3$ crystals: EPR and electron spin echo studies.
Journal of Magnetic Resonance 221, 120-128, 2012
59. M.Urbaniak, F. Stobiecki
Influence of domain wall density on interlayer coupling in CoFe/Au/Co/Au multilayers.
Journal of Magnetism and Magnetic Materials 324, 1588-1592, 2012
- 60 T.Grzyb, A. Gruszczyk, R.J. Wiglusz, Z. Śniadecki, B. Idzikowski, S. Lis
Multifunctionality of $GdPO_4:Yb^{3+}, Tb^{3+}$ nanocrystals: luminescence and magnetic behaviour
Journal of Materials Chemistry 22, 22989 – 22997, 2012
60. B.T.Maruszewski, W.Muschik, J.N.Grima, K.W.Wojciechowski
Special issue Trends in Continuum Physics (TRECOP 2010) PREFACE.
Journal of Mechanics of Materials and Structures, vol. 7, No. 3, 225-225, 2012
62. A.Piecha, R. Jakubas, V. Kinzhybalo, W. Medycki
Crystal structure, dielectric properties and molecular morion of molecules In thiazolium halometalates (III): $(C_3H_4NS)_6M_4Br_{18.2}H_2O$ ($M=Sb, Bi$).
Journal of Molecular Structure 1013 (2012) 55-60
63. I.Weymann, S. Krompiewski, J. Barnaś
Spin-dependent transport through graphene quantum dots.
Journal of Nanoscience and Nanotechnology Vol. 12, 7525-7528, 2012
64. A.Ostrowski, W. Bednarski, T. Jesionowski, A. Modrzejewska-Sikorska, S. Wapłak
Dielectric properties of fine-grained triglycine sulphate (TGS).
Journal of Non-Crystalline Solids 358, 217-219, 2012
65. T.Toliński, A. Hoser, N. Stüßer, A. Kowalczyk, D. Kaczorowski
Magnetic and structural properties of the $CeCo_{1-x}Cu_xAl_4$ ($x = 0, 0.05, 0.1$) compounds.
Journal of Optoelectronics and Advanced Materials Vol. 14, No. 1-2, 90-94, 2012

66. I.Olejniczak I, K.Pogorzelec-Glaser
Lattice Dynamics through the Structural Phase Transition in D-Amphetamine Sulfate.
The Journal of Physical Chemistry A 116 (40): 9854-9862, 2012
67. J.Świergiel, J. Jadżyn
Phase transition from liquid to disordered solid phase of cyclooctanone studied with dielectric methods.
The Journal of Physical Chemistry B 116, 3789-3794, 2012
68. M.Zdanowska-Frączek, Z.J. Frączek, P. Szklarz, R. Jakubas
High-pressure dielectric studies of a novel hydrogen-bonded ferroelectric $(NH_4)_2H_2P_2O_6$.
Journal of Physics and Chemistry of Solids 73, 953-956, 2012
69. M.Klanjsek, A. Gradisek, A. Kocjan, M. Bobnar, P. Jeglic, M. Wencka, Z. Jaglicic, P. Popcevic, I.Ivkov, A. Smontara, P. Gille, M. Armbruster, Yu Grin, J. Dolinsek
PdGa intermetallic hydrogenation catalyst: an NMR and physical property study.
Journal of Physics: Condensed Matter 24, 085703, 2012
70. K.Synoradzki, T. Toliński
Effective mass enhancement and spin-glass behaviour in $CeCu_4Mn_yAl_{1-x}$ compounds.
Journal of Physics – Condensed Matter 24, 136003, 2012
71. J.Łuczak, B. Bułka
Entanglement in a three spin system controlled by electric and magnetic fields.
Journal of Physics: Condensed Matter 24, 375303, 2012
72. A.Dyrdał and J. Barnaś
Intrinsic contribution to spin Hall and spin Nernst effects in a bilayer graphene.
Journal of Physics: Condensed Matter 24, 275302, 2012
73. M.Wojtaś, A. Gağor, O. Czupiński, W. Medycki, R. Jakubas
Crystal structure and characterization of the novel $NH^+ \cdot N$ hydrogen bonded polar crystal $[NH_2(CH_2)_4NH][BF_4]$.
Journal of Solid State Chemistry 187, 35-44, 2012
74. T.Mito, T. Koyama, K. Nakagawara, T. Ishida, K. Ueda, T. Kohara, K. Matsubayashi, Y. Saiga, K. Munakata, Y. Uwatoko, M. Mizumaki, N. Kawamura, B. Idzikowski, M. Reiffers
Mechanism of field induced Fermi liquid state in Yb-based heavy-fermion compound: X-ray absorption spectroscopy and nuclear magnetic resonance studies of $YbCo_2Zn_{20}$.
Journal of the Physical Society of Japan 81, 033706, 2012
75. J.Tritt-Goc and J. Kowalczyk
Diffusive diffraction phenomenon observed by PGSE NMR technique in sugar-based low-molecular-mass gel.
Langmuir 28, 14039-14044 (2012)
76. P.Kędziora
Non-linear dielectric behaviour of 4,4'-n-hexylcyanobiphenyl near the nematic-isotropic phase transition.
Liquid Crystals Vol. 39, No. 4, 425-432, 2012
77. N.Tomašovičová, M. Timko, V. Závěšová, A. Hashim, J. Jadżyn, X. Chaud, E. Beaugnon, P. Kopčanský
How to change the sensibility of liquid crystal in external magnetic field.
Magnetohydrodynamics, 48, 407-414 (2012)
78. S.K.Hoffmann, J. Goslar, S. Lijewski, I. Olejniczak, A. Jankowska, S. Zeidler, N. Koperska, S. Kowalak
 S_2 radical in ϵ -cages of cancrinite and zeolite L: spectroscopic and magnetic resonance studies.
Microporous and Mesoporous Materials 151, 70-78, 2012

79. A.Graja
Corrole-Fullerene Dyads: Will They Replace Porphyrin-Fullerene System?
Molecular Crystals and Liquid Crystals, vol. 554, 31-42, 2012
80. S.Krompiewski
Effect of the attachment of ferromagnetic contacts on the conductivity and giant magnetoresistance of graphene nanoribbons.
Nanotechnology 23, 135203, 2012
81. P.Kuświk, I. Sveklo, B. Szymański, M. Urbaniak, F. Stobiecki, A. Ehresmann, D. Engel, P. Mazalski, A. Maziewski and J. Jagielski
Colloidal domain lithography in multilayers with perpendicular anisotropy: an experimental study and micromagnetic simulations.
Nanotechnology 23, 475303, 2012
82. A.Famengo, D. Pinero, O. Jeannin, T. Guizouarn, L. Piekara-Sady, M. Fourmigue
Dithiolenes complexes as metallo-ligands: a crown-ether approach.
New Journal of Chemistry 36, 638-643, 2012
83. I.Śliwa, K. Grygiel
Periodic orbits, basins of attractions and chaotic beats in two coupled Kerr oscillators.
Nonlinear Dynamics 67, 755 (2012)
84. P.Kuświk, F. Stobiecki, B. Szymański, M. Urbaniak, M. Falkowski, J. Jagielski, P. Mazalski
Effect of He ions irradiation on anisotropy and magnetoresistance of (NiFe/Au/Co/Au)₁₀ multilayers.
Nuclear Instruments & Methods In Physics Research Section B-Beam Interactions with Materials and Atoms 272, 88-91, 2012
85. K.Lewandowska, D. Wróbel, A. Graja
Spectroscopic characterization of selected fullerene-organic chromophore Langmuir-Blodgett films.
Optical Materials 34, 1729-1734, 2012
86. A.Łapiński, A. Gąsecka, A. Graja, S. Waplak, A. Ostrowski, A.I. Kotov
Spectral investigation of the phase-transition behaviour in (DOEO)₄HgBr₄·TCE salt.
Optical Materials 34, 1651-1655, 2012
87. I.Śliwa, W. Jeżewski, W. Kuczyński, J. Hoffmann
Solitons in surface stabilized ferroelectric liquid crystals and the determination of the twist elastic constant.
Phase Transitions 85, 345 (2012)
88. W.Kuczyński, D. Dardas, J. Hoffmann, K. Nowicka, W. Jeżewski
Comparison of methods of determination of viscoelastic properties in chiral smectics C.*
Phase Transitions 85, 358 (2012)
89. J.Jadżyn, J. Świergiel
On similarity of hydrogen-bonded networks in liquid formamide and water as revealed in the static dielectric studies.
Physical Chemistry Chemical Physics 14, 3170-3175, 2012
90. J. B. Lee, W. G. Hong, H. J. Kim, Z. Jagličić, S. Jazbec, M. Wencka, A. Jelen, J. Dolinšek,
Canted antiferromagnetism on a nanodimensional spherical surface geometry: The case of MnCO₃ small hollow nanospheres
Physical Review B, 86, 224407, 2012

91. M.Bobnar, P. Jeglič, M. Klanjšek, Z. Jagličić, M. Wencka, P. Popčević, J. Ivkov, D. Stanić, A.Smontara, P. Gille, J. Dolinšek
Intrinsic anisotropic magnetic, electrical, and thermal transport properties of d-Al-Co-Ni decagonal quasicrystals.
Physical Review B 85, 024205, 2012
92. M.W.Haverkort, M. Zwierzycki, O.K. Andersen
Multiplet ligand-field theory using Wannier orbitals.
Physical Review B 85, 165113, 2012
93. I.Weymann, J. Barnaś, S. Krompiewski
Manifestation of the shape and edge effects in spin-resolved transport through graphene quantum dots.
Physical Review B 85, 205306, 2012
94. P.Baláz, V.K. Dugaev and J. Barnaś
Spin-transfer torque in a thick Neel domain wall.
Physical Review B 85, 024416, 2012
95. A.C.Brańka, D.M.Heyes, Sz..Mackowiak, P.Pieprzyk, P; K.W.Wojciechowski
Cubic materials in different auxetic regions: Linking microscopic to macroscopic formulations.
Physica Status Solidi B-Basic Solid State Physic 249, No. 7, 1373-1378
96. T.Bui.Dinh, V.Cao Long, K.Dind Xuan, K.W.Wojciechowski
Computer Simulation of solitary waves in a common or auxetic elastic rod with both quadratic and cubic nonlinearities.
Physica Status Solidi B-Basic Solid State Physic 249, vol. 7, 1386-1392, 2012
97. G.R.Grima, J.Narajczyk, K.W. Wojciechowski
Auxetic Materials and Related Systems.
Physica Status Solidi B-Basic Solid State Physic 249, vol. 249, 1313-1314, 2012
98. A.Dyrdał and J. Barnaś
Intrinsic spin Hall effect in silicene: transition from spin Hall to normal insulator.
Physica Status Solidi-Rapid Research Letters 6, 340, 2012
99. W.Jeżewski
Effect of intralayer inhomogeneity on helical superstructures of liquid crystals.
Physical Review E 85, 051702, 2012
100. R.Zitko, J.S. Lim, R. Lopez, J. Martinek, P. Simon
Tunable Kondo effect in a double quantum dot coupled to ferromagnetic contacts.
Physical Review Letters 108, 166605, 2012
101. N.Novak, R. Pirc, M. Wencka, Z. Kutnjak
High-resolution calorimetric study of $Pb(MG_{1/3}Nb_{2/3})O_3$ single crystal.
Physical Review Letters 109, 037601, 2012
102. J.P.Cascales, D. Herranz, F. G. Aliev, T. Szczepański V. K. Dugaev, J. Barnaś, A. Duluard, M. Hehn, and C. Tiusan
Controlling Shot Noise in Double-Barrier Magnetic Tunnel Junctions.
Physical Review Letters 109, 066601, 2012
103. J.Kaszyńska, B.Hilczer, P.Biskupski
Segmental dynamics in poly(vinylidene fluoride) studied by dielectric, mechanical and nuclear magnetic resonance spectroscopies.
Polymer Bulletin 68, 1121-1134 (2012)

104. B.Andriyevsky, M. Zdanowska-Frączek
DFT-based ab-initio study of band structure of CsH₅(PO₄)₂ crystals.
Solid State Ionics 207, 14-20, 2012
105. P.Ławniczak, M. Zdanowska-Frączek, Z.J. Frączek, K. Pogorzelec-Glaser, Cz. Pawlaczyk
Electric conductivity of benzimidazolium azelate as a function of competitive variables: temperature and hydrostatic pressure.
Solid State Ionics 225 (2012) 268-271
106. T.Rojac, B. Malic, M. Kosec, M. Połomska, B. Hilczer, B. Zupancic, B. Zalar
Mechanochemical synthesis of NaNbO₃: a complementary study of reaction mechanism using Raman spectroscopy and quadrupole perturbed ²³Na nuclear magnetic resonance.
Solid State Ionics 215, 1-6, 2012
107. K.Pogorzelec-Glaser, A. Rachocki, P. Ławniczak, A. Łapiński, J. Tritt-Goc
Synthesis and characterization of a new proton-conducting material based on imidazole and selenic acid.
Solid State Ionics 227, 96–101 (2012)
108. N.Sinyavsky, P. Dolinenkov, M. Maćkowiak
PEANUT experiment in NQR spectroscopy for I = 3/2.
Solid State Nuclear Magnetic Resonance 43-44, 32-35, 2012
109. A.Kowalczyk, M. Falkowski, T.Toliński
Magnetic, transport and thermodynamic properties of Ce₃Ni₂Si₃ compound.
Solid State Sciences 14, 1496, 2012
110. B.Barszcz, K. Lewandowska, A. Graja, S-T Kim, T-D. Kim, K-S.Lee
Vibrational investigations of new functionalized fullerenes.
Synthetic Metals 162, 285-290, 2012
111. K.Lewandowska, B. Barszcz, G. Vasylets, I. Potocnak, V.A. Starodub, A. Graja
Structure and spectral properties of [Fe(dipy)₃](TCNQ)₄·{(H₃C)₂CO}anion-radical salt.
Synthetic Metals 162, 1577-1581, 2012
112. K.Lewandowska, B. Barszcz, A. Graja, A. Biadasz, B. Bursa, D. Wróbel, S.-T. Kim, T.-D. Kim, K.-S.Lee
Molecular orientation in self-assembled layers of two functionalized fullerenes – role of a bromine atom at the end of alkyl chain.
Synthetic Metals 162, 2134-2137, 2012
113. J.Kaszyńska, A. Łapiński, M. Bielejewski, R. Luboradzki, J. Tritt-Goc
On the relation between the solvent parameters and the physical properties of methyl-4,6-O-benzylidene- α -D-glucopyranoside organogels.
Tetrahedron 68, 3803-3810, 2012

1.2. PUBLIKACJE W INNYCH CZASOPISMACH WYMIENIONYCH W CZĘŚCI B WYKAZU MINISTRA

1. J.Cielecka-Piontek, M. Paczkowska, P. Zalewski, A. Krause, I. Bernard, A. Mania, K. Lewandowska, B. Barszcz
Theoretical and experimental analytical studies on potassium clavulanate.
Annales UniversitaTUIS Mariae Curie-Sklodowska, Sectio DDD, Pharmacia, vol. 25, no 3, 317-321

1.3. INNE PRACE

1. D.Jankowski, R.Świetlik, M.Fourmigue, E.W.Reinheimer, O.Jeannin
Spectroscopic studies of charge localization in organic metals (DMtTTF)₂X (X=ClO₄, ReO₄).
Physica Status Solidi C 9 , no. 5, 1164-1166 (2012)
2. A.Łapiński, A.T. Dubis, M.E. Płonska-Brzezińska, J. Mazurczyk, J. Brezko, L. Echevoyen
Vibrational spectroscopic study of carbon nano-onions coated with polyaniline.
Physica Status Solidi C 9 , no. 5, 1210-1212
3. K.Chybczyńska, M. Wróblewski, M. Wawrzyniak, B. Susła
Conductance Quantization in Nb-Ti/Cu Alloys and BiSrCaCuO/PbAg Superconducting Tapes.,
Przegląd Elektrotechniczny (Electrical Review), R. 88 (10b), 132-134, 2012