

# WYKAZ PRAC OPUBLIKOWANYCH

## **1. WYKAZ MONOGRAFII OPUBLIKOWANYCH**

### **1.1 Autorstwo monografii lub podręcznika akademickiego w języku angielskim**

### **1.2 Autorstwo rozdziału w monografii lub podręczniku akademickim w języku angielskim**

1. B. Hilczer, H. Smogór, J. Goslar  
*Dielectric response of polymer relaxors.*  
rozdział w “*Frontiers in Ferroelectricity*” Eds. S. B. Lang, H. L. W. Chan, str. 122-127  
wydawca: Springer, New York 2006, ISBN-13: 978-0-387-38037-7
2. J. Martinek, J. Barnaś  
*Spin-dependent transport in single-electron devices.*  
rozdział w “*Concepts in spin electronics*” Eds. S. Maekawa, Institute for Materials Research, Tohoku University, Japan, 2006, str 145-197  
wydawca: Oxford University Press, ISBN 0-19-856821-5 978-0-19-856821-6

### **1.3 Autorstwo monografii lub podręcznika akademickiego w języku polskim lub innym nie angielskim**

### **1.4 Autorstwo rozdziału w monografii lub podręczniku akademickim w języku polskim lub innym nie angielskim**

- 1 H. Śmigielska, G. Lewandowicz, J. Goslar, S. Hoffmann, N. Piślewski  
*Zastosowanie spektroskopii elektronowego rezonansu paramagnetycznego (EPR) do badania fortyfikowanych produktów spożywczych.*  
rozdział w książce: „*Innowacyjność w kształtowaniu jakości wyrobów i usług*” pod red. J. Żuchowskiego, str. 884-850  
Wydawnictwo Instytutu Technologii Eksploracji – PIB, 844-850, 2006,  
ISBN 83-7351-296-9
- 2 K. Hołderna-Natkaniec, W. Medycki  
*Magnetyczny Rezonans Jądrowy.*  
rozdział w “*Komplementarne metody badań przemian fazowych*”  
redakcja E. Mikuli, A. Migdał-Mikuli,  
Wydawnictwo Uniwersytetu Jagiellońskiego, 2006, str. 144-168
- 3 L. Piekara-Sady  
*Elektronowy Rezonans Paramagnetyczny*  
rozdział w “*Komplementarne metody badań przemian fazowych*”  
redakcja E. Mikuli, A. Migdał-Mikuli,  
Wydawnictwo Uniwersytetu Jagiellońskiego 2006, 170-196

## **REDAKCJA MONOGRAFII LUB PODRĘCZNIKA AKADEMICKIEGO**

- 1 Tytuł: *Journal of Alloys and Compounds 423, issue 12 (2006), E-MRS 2005, Symposium B*  
Published by: ELSEVIER  
Guest Editors: E. Talik, B. Idzikowski, W. Suski  
ISSN 0925-8388
  
- 2 Tytuł: *Physica Status Solidi 243 (2006) -Proceedings The European Conference Physics of Magnetism (PM05)*  
Published by: Wiley-VCH Verlag GmbH & Co KGaA  
Guest Editors: B. Idzikowski, J. Barnaś, R. Micnas,  
A. Jezierski, A. Szajek, R.J.Wojciechowski
  
- 2.1 Tytuł: *Computational Methods in Science and Technology, vol 12(1), 2006*  
Published by: Scientific Publications (OWN Poznań)  
Editors: M. Stroiński, J. Węglarz,  
K.W. Wojciechowski
  
- 3 Tytuł: *Journal of Non-Crystalline Solids, vol. 352, 40-41, 2006, Proceedings of the 3rd International Conference on Physics of Disordered Systems (PDS'05)*  
Published by: Elsevier  
Guest editors: J. Rybicki, K.W. Wojciechowski  
ISSN 0022-3093
  
- 4 B. Hilczer  
*Guest Editors' note*  
Phase Transitions, vol. 79, 349-350, 2006

## **WŁASNE WYDAWNICTWA W ROKU SPRAWOZDAWCZYM**

- 1 Tytuł: *Scientific Network "New materials for magnetoelectronics" MAG-EL-MAT Meeting of the Members (2006), May 3-6, 2006, Będlewo near Poznań, Poland*  
Published by: IFM PAS, ISBN 83-922407-3-1

## 2. WYKAZY PRAC OPUBLIKOWANYCH

### 2.1 Publikacje w czasopiśmie z listy filadelfijskiego Instytutu Informacji Naukowej

#### **Acta Physica Polonica A**

1. B. Andrzejewski, A. Kowalczyk, T. Toliński  
*Negative magnetisation and absence of superconductivity in  $RFe_4Al_8$  ( $R = Lu, Yb$ ) compounds.*  
Acta Physica Polonica A Vol. 109, No. 4-5, 561-564, 2006  
B. Andrzejewski, A. Kowalczyk, T. Toliński -IFM PAS, Poznań
2. A. Kowalczyk, B. Andrzejewski, A. Jezierski, T. Toliński, A. Szlaferek, M. Falkowski, G. Chełkowska  
*Superconductivity and electronic structure of the  $W_7Re_{13}B$  compounds.*  
Acta Physica Polonica A Vol. 109, No. 4-5, 597-600, 2006  
A. Kowalczyk, B. Andrzejewski, A. Jezierski, T. Toliński, A. Szlaferek, M. Falkowski -IFM PAS, Poznań  
G. Chełkowska -Silesian University, Katowice
3. Z. Trybuła, W. Kempniński, B. Andrzejewski, L. Piekara-Sady, J. Kaszyński, M. Trybuła, J. Piekoszewski, J. Stanisławski, M. Barlak, E. Richter  
*Superconducting regions and Kondo effect of  $MgB_2$  formed by implantation of magnesium ions into boron substrate.*  
Acta Physica Polonica A, Vol. 109, No. 4-5, 657-660, 2006  
Z. Trybuła, W. Kempniński, B. Andrzejewski, L. Piekara-Sady, J. Kaszyński, M. Trybuła -IFM PAS, Poznań  
J. Piekoszewski -Institute for Nuclear Studies, Otwock/Świerk  
J. Piekoszewski, J. Stanisławski, M. Barlak, E. Richter -Institute of Nuclear Chemistry and Technology, Warszawa  
E. Richter -Institute of Ion Beam Physics and Materials Research, Dresden, Germany
4. J. Jadżyn, G. Czechowski, S. Laskowski  
*Viscous behavior of binary mixtures of mesogenic solvent / non-mesogenic solute.*  
Acta Physica Polonica A, Vol. 109, No. 6, 723-730, 2006  
J. Jadżyn, G. Czechowski, S. Laskowski -IFM PAS, Poznań
5. A. Krupska, M.A. Augustyniak-Jabłokow, Yu.V. Yablokov, V.V. Zelentsov, V.A. Ulanov, J. Mroziński  
*EPR discovery of a new pressure-induced low-spin phase in  $(2Me-5Et-PyH)[Fe(Th-5Cl-Sa)_2]$ .*  
Acta Physica Polonica A, Vol. 110, No. 1, 81-95, 2006  
A. Krupska, M.A. Augustyniak-Jabłokow, Yu.V. Yablokov -IFM PAS, Poznań  
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V.A. Ulanov -Kazan Physical Technical Institute RAN, Kazan, Russia  
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6. J. Jadżyn, L. Bouteller, J.-L. Déjardin, G. Czechowski  
*Dielectric relaxation in hydrogen bonded urea-based supramolecular polymer  $N, N'$ -di(2,2-dipenrylheptyl) urea.*  
Acta Physica Polonica A, Vol. 110, No. 4, 495-504, 2006  
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7. S.K. Hoffmann, J. Goslar  
*Effect of Vibronic Dynamics of  $Cu(H_2O)_6$  complex and electron spin relaxation in temperature dependence of EPR linewidth in diamagnetic Tutton salt single crystal.*  
Acta Physica Polonica A, Vol. 110, No. 6, 807-816, 2006  
S.K. Hoffmann, J. Goslar -IFM PAS, Poznań

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8. J. Tritt-Goc, J. Kowalczyk, N. Piślewski  
*MRI study of Fickian, case II and anomalous diffusion of solvents in hydroxypropylmethylcellulose.*  
Applied Magnetic Resonance 29, 605-615, 2006  
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9. J. Boguszyńska, A. Rachocki, J. Tritt-Goc  
*Melting behavior of water confined in nanopores of white cement studied by  $^1\text{H}$  NMR cryoporometry: effect of antifreeze additive and temperature.*  
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### Applied Physics Letters

10. M. Kempniński, W. Kempniński, J. Kaszyński, M. Śliwińska-Bartkowiak  
*Model of spin localization in activated carbon fibers.*  
Applied Physics Letters 88, 143103, 2006  
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*Current-induced dynamics in asymmetric spin valves.*  
Applied Magnetic Letters 89, 223121, 2006  
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12. P.A. Troshin, A. Łapiński, A. Bogucki, M. Połomska, R.N. Lyubovskaya  
*Preparation and spectroscopic properties of chlorofullerenes  $\text{C}_{60}\text{Cl}_{24}$ ,  $\text{C}_{60}\text{Cl}_{28}$ , and  $\text{C}_{60}\text{Cl}_{30}$ .*  
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A. Łapiński, A. Bogucki, M. Połomska -IFM PAS, Poznań

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13. A. Łapiński, R.N. Lyubovskaya, E.I. Zhilyaeva  
*Spectral investigations of unsymmetrical  $\pi$ -donor ethylenedithio-dithiadiselenafulvalene iodomercurate,  $(\text{EDT-DTDSF})_4\text{Hg}_3\text{I}_8$ .*  
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14. I. Olejniczak, B. Gromadziński, A. Graja, T. Devic, P. Batail  
*Optical study of the metal-insulator phase transition in  $\beta$ - $(\text{EDT-TTF-I}_2)_2(\text{Pb}_{5/6}\square_{1/6}\text{I}_2)_3$  and  $\beta$ - $(\text{EDT-TTF-I}_2)_2(\text{Pb}_{2/3+x}\text{Ag}_{1/3-2x}\square_x\text{I}_2)_3$  one-dimensional organic conductors.*  
Chemical Physics 326, 409-416, 2006  
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*Structure and spectral studies of the BEDTO-TTF radical cation salt with isocyanuric acid anion.*  
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17. J.N. Latosińska, M. Latosińska, W. Medycki, J. Osuchowicz  
*Molecular dynamics of solid furosemide (4-chloro-2-furfurylamino-5-sulfamoyl-benzoic acid) studied by NMR and DFT methods.*  
Chemical Physics Letters 430, 127-132, 2006  
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18. I. Danielewicz-Ferchmin, E. M. Banachowicz, A. R. Ferchmin  
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### Crystal Research and Technology

19. I. Szafraniak, M. Połomska, B. Hilczer  
*XRD, TEM and Raman scattering studies of PbTiO<sub>3</sub> nanopowders.*  
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### Current Applied Physics

20. P. Lucignano, P. Stefański, A. Tagliacozzo, B.R. Bułka  
*Quantum transport across multilevel quantum dot.*  
Current Applied Physics 7, 198-204, 2006  
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21. G. Michałek, B. Bułka  
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The European Physical Journal B 52, 411-419, 2006  
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### Ferroelectrics

22. M. Połomska, J. Wolak, L.F. Kirpichnikova  
*Molecular dynamics study in the vicinity of ferroelastic – paraelastic phase transition of [(NH<sub>4</sub>)<sub>1-x</sub>Rb<sub>x</sub>]<sub>3</sub>H(SO<sub>4</sub>)<sub>2</sub>.*  
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*Characterization of PbTiO<sub>3</sub> nanopowders obtained by room temperatures synthesis.*  
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*Dielectric relaxation in  $K_{0.5}Na_{0.5}NbO_3$ -PVDF composites.*  
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25. M.P. Trubitsyn, S. Waplak, A.Yu. Kudzin  
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26. F.Goc, Ch. Blanc, V. Lorman, M. Nobili, S. Samaritani, G. Galli, W. Kuczyński  
*X-ray and electrooptical studies of liquid crystal siloxane with a de vries  $SMA^*$  phase.*  
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29. M. Pugaczowa-Michalska, A. Kowalczyk  
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- Journal of Alloys and Compounds**
31. A. Jezierski, B. Penc, A. Szytuła  
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33. E. Sówka, M. Leonowicz, B. Andrzejewski, A.D. Pomogailo, G.I. Dzhardimalieva  
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34. M. Gmitra, J. Barnaś, D. Horvath  
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35. S. Lipiński, D. Krychowski  
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39. M. Wawrzyniak, M. Gmitra, J. Barnaś  
*Spin dependent tunneling through a quantum dot attached to ferromagnetic electrodes with non-collinear magnetizations.*  
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40. B. Idzikowski, Y.V. Kudryavtsev, Y.H. Hyun, Y.P. Lee, J. Klenke  
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41. P. Kersch, N.V. Kozlova, Z. Śniadecki, K. Nenkov, U.K. Rössler, B. Idzikowski, K-H. Müller, L. Schultz  
*Magnetoresistance and magnetization processes in the helimagnetic compounds DyMn<sub>6</sub>Ge<sub>6</sub> and in related alloys Dy(Mn<sub>6</sub>Ge<sub>6</sub>)<sub>1-x</sub>(Fe<sub>6</sub>Al<sub>6</sub>)<sub>x</sub>.*  
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42. M. Wawrzyniak, G. Gmitra, J. Barnaś  
*Influence of interface spin-flip scattering on spin accumulation and spin currents in magnetic multilayers with collinear magnetizations.*  
Journal of Applied Physics 99, 023905, 2006  
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43. Y.V. Kudryavtsev, V.N. Uvarov, V.A. Oksenenko, Y.P. Lee, J.B. Kim, R. Gontarz  
*Peculiarities in the electronic band structures of Cr/Cu multilayered nanostructures and Cr<sub>1-x</sub>Cu<sub>x</sub> metastable alloy films: ab initio linearized-augmented plane-wave and experimental optical studies.*  
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44. V.A. Oksenenko, L.N. Trofimova, Yu.N. Petrov, Y.V. Kudryavtsev, J. Dubowik, Y.P. Lee  
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### The Journal of Chemical Physics

45. J.L. Dejardin, J. Jadzyn  
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-University of Białystok  
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## **2.2 Publikacje w języku angielskim w innym recenzowanym czasopiśmie zagranicznym lub czasopiśmie polskim**

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### **Journal of Physics: Conference Series**

4. J. Morkowski  
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5. J. Tamuliene, A. Tamulis, A. Ziriakoviene, A. Graja  
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## **2.3 Publikacja w języku polskim w recenzowanym czasopiśmie krajowym**

### **Postępy Fizyki**

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