

Az MTA Wigner FK SZFI Fémkutatási Osztály volt és jelenlegi munkatársainak publikációi (1956-2012)

Munkatársak:

Bakonyi Imre	Pallinger Ágnes
Balogh István	Péter László
Bánki Péter	Pócsik István
Basa Károly	Pogány Lajos
Bokor Mónika	Sas Bernadette
Dégi Júlia	Serfőző Gusztáv
Fazakas Éva	Sólyom Anikó
Furó István	Takács János
Garaguly József	Takács László
Gercsi Zsolt	Tarnóczy Tivadar
Hargitai Csaba	Tompa Kálmán
Hossó Nándorné (M. Hossó)	Tóth Bence (B.G. Tóth)
Kákay Attila	Tóth Ferenc (F. Tóth; F.I. Tóth)
Kamasa Pawel	Tóth József
Kisdi Dávidné (É. Kisdi-Koszó)	Tóthné Kádár Enikő (E. Kádár; E. Tóth-Kádár)
Kriza György	Varga Béla
Konczos Géza	Varga István
Lasanda György	Varga Lajos Károly (L. Varga; L.K. Varga)
Lovas Antal	Verebélyi Tamás
Matus Péter	Werner Antal
Nagy Imre	Williams F.I.B.
Németh László	Zámbóné Balla Katalin (L. Zámbo; K.Z. Balla, K. Zámbo-Balla)
Némethné Pethes Ildikó (I. Pethes)	
Neuróhr Katalin	
Pádár József	

1956

I. Nagy, D. Pallagi, L. Pál: The frequency dependence of the permeability of magnetite between 1000 and 3000 MHz. *Acta Phys. Hung.* **6**, 341-344 (1956)

L. Pál, T. Tarnóczi: Temperature dependence of the differential susceptibility of cobalt in strong magnetic fields. *Acta Phys. Hung.* **6**, 225-236 (1956)

1961

Cs. Hargitai, J. Szabó: Die Eindeutigkeit der magnetohydrodynamischen Strömung inkompressibler, leitender Medien. *Z. Naturf.* **16a**, 92-95 (1961)

J. Szabó, Cs. Hargitai: Die Eindeutigkeit der magnetohydrodynamischen Strömung barotroper, leitender Medien. *Acta Phys. Hung.* **12**, 205-210 (1961)

1962

E. Nagy, I. Nagy: Ordering in alloy Cu₃Au - I. *J. Phys. Chem. Sol.* **23**, 1605-1612 (1962)

L. Pál, T. Tarnóczi: Investigation of the anomalous magnetic properties due to the ordering process in iron-rich aluminium alloys. *J. Phys. Chem. Sol.* **23**, 683-693 (1962)

1963

E. Nagy, J. Tóth: Ordering in alloy Cu₃Au - III. *J. Phys. Chem. Sol.* **24**, 1043-1047 (1963)

L. Pál, T. Tarnóczi, G. Németh: Calculation and experimental determination of the magnetic correction factor for ballistic measuring coils used with spheroidal specimens. *Brit. J. Appl. Phys.* **14**, 212-214 (1963)

K. Tompa, F. Tóth: The anisotropy of the NMR in copper sheets. *phys. status solidi* **3**, 2051-2055 (1963)

K. Tompa, F. Tóth: Széles jelű mag mágneses rezonancia spektrométer. *Magyar Fizikai Folyóirat* **11**, 177 (1963)

1964

Cs. Hargitai: A simple gauge-invariant method in the theory of interacting boson systems. *Phys. Lett.* **10**, 65-67 (1964)

K. Tompa, F. Tóth: The anisotropy of the NMR in copper sheets (II). *phys. status solidi* **7**, 547-556 (1964)

1965

Cs. Hargitai: On the aligned magnetic moment of the Rh atoms in the FeRh alloy. *Phys. Lett.* **17**, 178-179 (1965)

Cs. Hargitai: A gauge-invariant method in the theory of interacting Bose systems. *Acta Phys. Hung.* **19**, 153-158 (1965)

E. Krén, P. Szabó, G. Konczos: Neutron diffraction studies on the (1-x)Fe₂O₃-xRh₂O₃ system. *Phys. Lett.* **19**, 103-104 (1965)

I. Nagy: Ordering in alloy Cu₃Au - IV. *J. Phys. Chem. Sol.* **26**, 179-183 (1965)

1966

E. Krén, P. Szabó and T. Tarnóczy: Effects of atomic ordering on the magnetic structure of Pt₃Fe. *Solid State Commun.* **4**, 31-32 (1966)

K. Tompa: Nuclear magnetic resonance of ⁶³Cu and ⁶⁵Cu in copper. *phys. status solidi* **18**, 391-400 (1966)

1967

I. Dézsi, B. Molnár, T. Tarnóczy, K. Tompa: On the magnetic behaviour of iron(II)-bis-(1,10 phenantroline)-thiocyanate between -190 and 30 °C. *J. Inorg. Nucl. Chem.* **29**, 2486-2490 (1967)

E. Krén, G. Kádár, T. Tarnóczy: Atomic and magnetic order in Mn₂Pd₃. *Physics Letters A* **25**, 56-57 (1967)

K. Tompa, F. Tóth, G. Grüner: Susceptibility of MnO measured by the NMR method. *phys. status solidi* **22**, K11-K13 (1967)

K. Tompa, F. Tóth, A. Jánossy: First and second order quadrupole effects in dilute Cu-Pt alloy foils. *Physics Letters* **25A**, 587-588 (1967)

1968

J. Balla, K. Tompa, F. Tóth: Gas stream temperature control device for temperatures from -195 to 250 °C. *Cryogenics* **8**, 48-50 (Feb. 1968)

E. Krén, G. Kádár, L. Pál, J. Sólyom, P. Szabó, T. Tarnóczy: Magnetic structures and exchange interactions in Mn-Pt system. *Phys. Rev.* **171**, 574-585 (1968)

E. Krén, E. Nagy, I. Nagy, L. Pál, P. Szabó: Structures and phase transformations in the Mn-Ni system near the equiatomic concentration. *J. Phys. Chem. Sol.* **29**, 101-108 (1968)

E. Krén, P. Szabó, L. Pál, T. Tarnóczy, G. Kádár, C. Hargitai: X-ray and susceptibility study of the first-order magnetic transformation in Mn₃Pt. *J. Appl. Phys.* **39**, 469-470 (1968)

L. Pál, E. Krén, G. Kádár, P. Szabó, T. Tarnóczy: Magnetic structures and phase transformations in Mn-based CuAu-I type alloys. *J. Appl. Phys.* **39**, 538-544 (1968)

J. Tóth: Temperature dependence of resistivity in Al-Ta dilute alloys. *Phys. Stat. Sol.* **27**, K47-K48 (1968)

1969

G. Grüner, K. Tompa, F. Tóth: NMR studies of molecular motions in compounds with three carbon rings. *phys. status solidi* **32**, K71-K74 (1969)

C. Hargitai: The role of the electronic mean free path in the magnetic resistive anomalies. *Solid State Commun.* **7**, 1367-1369 (1969)

C. Hargitai, G. Corradi: On the contribution to the electronic specific heat due to nearly magnetic impurities. *Solid State Commun.* **7**, 1535-1538 (1969)

A. Jánossy, G. Grüner, K. Tompa : PMR studies of frozen aqueous FeCl₂ solutions. *J. Chem. Phys.* **51**, 5189-5190 (1969)

K. Tompa, G. Grüner, A. Jánossy, F. Tóth: First order quadrupole effect in dilute copper-based Cu-Zn alloys. *Solid State Commun.* **7**, 697-699 (1969)

K. Tompa, F. Tóth, G. Grüner: NMR investigation of dilute Al-Ta alloys. *Solid State Commun.* **7**, 51-53 (1969)

K. Tompa, F. Tóth, E. Nagy: ^{63}Cu NMR in elastically deformed copper foils. *Solid State Commun.* **7**, 47-49 (1969)

A. Vértes, K. Burger, T. Tarnóczy, E. Papp-Molnár, C.L. Egyed: On the Mössbauer investigation of and magnetic behaviour of iron(III) diethyldithiocarbamate. *Acta Chim. Hung.* **59**, 15-18 (1969)

A. Vértes, T. Tarnóczy, C.L. Egyed, E. Papp-Molnár, K. Burger: On the Mössbauer investigation of and magnetic behaviour of a few iron(II) complexes. *Acta Chim. Hung.* **59**, 19-22 (1969)

1970

I. Nagy, L. Pál: Electrical resistivity and thermoelectric power of Ni near the Curie point. *Phys. Rev. Lett.* **24**, 894-896 (1970)

L. Pál, T. Tarnóczy, G. Konczos: Magnetic susceptibility anomaly in nearly equiatomic Mn-Ni alloys. *phys. status solidi* **42**, 49-59 (1970)

K. Tompa, F. Tóth, E. Nagy: ^{63}Cu NMR in elastically deformed copper foils of cubic texture. *phys. status solidi* **41**, 413-417 (1970)

1971

L.J. Csányi, P. Huhn, E. Kádár, Zs. Bóty: Optical interaction between thallium ions of different oxidation states. *Acta Phys. Chem. Szegediensis* **17**, 43-48 (1971)

G. Grüner, C. Hargitai: Temperature dependence of the charge oscillation around nearly magnetic impurities. *Phys. Rev. Letters*, **26**, 772-775 (1971)

G. Grüner, E. Kovács-Csetényi, K. Tompa, C.R. Vassel: ^{27}Al NMR spectra in Al-3d transition metal alloys. *phys. status solidi (b)* **45**, 663-667 (1971)

J. Ivarsson, G.R. Pickett, J. Tóth: The electron heat capacity of nearly stoichiometric ordered FeRh alloys. *Phys. Lett.* **35A**, 167-168 (1971)

I. Nagy, L. Pál: Thermoelectric power and electrical resistivity of Ni and Fe near the Curie point. *J. Phys. (Paris)* **32**, C1/531-533 (1971)

L. Pál, T. Tarnóczy, G. Zimmer: Magnetic field induced unidirectional anisotropy in antiferromagnets with ferromagnetic impurities. *J. Phys. (Paris)* **32**, C1/107-109 (1971)

I. Vincze, T. Tarnóczy: Anomalous temperature dependence of the Mn moment in Ni shown by average magnetization measurement. *Solid State Commun.* **9**, 1239-1241 (1971)

1972

B. Fogarassy, T. Kemény, L. Pál, J. Tóth: Electronic specific heat of iron-rhodium and iron-rhodium-iridium alloys. *Phys. Rev. Lett.* **29**, 288-291 (1972)

C. Hargitai, S. Shtrikman, E. P. Wohlfarth: Range of validity of the Landau theory of phase transitions for very weak itinerant ferromagnets. *Phys. Letters* **39A**, 87-88 (1972)

L. Pál, G. Zimmer, J.C. Picoch, T. Tarnóczy: The magnetic field dependence of the antiferromagnetic-ferromagnetic transition temperature in Fe-Rh. *Acta Phys. Hung.* **32**, 135-140 (1972)

K. Tompa: The asymptotic region of the charge density oscillation around impurities in dilute copper-based alloys. *J. Phys. Chem. Sol.* **33**, 163-175 (1972)

K. Tompa, A. Lovas, L. Zámbo: Oscillation of conduction electron density near the solute atoms in dilute Cu-Fe alloys. *phys. status solidi (b)* **54**, K17-K20 (1972)

F.I. Tóth, K. Tompa, G. Grüner: Frequency modulated NMR spectrometer for measurement of internal magnetic fields. *J. Phys. E* **5**, 42-44 (1972)

1973

G. Grüner, K. Tompa: Detailed ^{57}Fe continuous wave NMR spectra in Fe-based dilute Fe-Co alloys. *J. Phys. F.* **3**, 189-198 (1973)

E. Kovács-Csetényi, B. Sas, International friction and modulus changes in cold-worked dilute Al-Fe alloys during heat treatment. *phys. stat. solidi (a)* **15**, 687-690 (1973)

G. Serfőző, E. Kovács-Csetényi, G. Grüner: Quadrupolar NMR line-broadening in Al-3d-transition metal alloys. *Solid State Commun.* **13**, 1315-1318 (1973)

L. Tolnay, K. Tompa: Proton magnetic resonance studies on vegetable oils and seeds. *Acta Agronomica Acad. Sci Hung.* **22**, 55- (1973)

1974

É. Kisdi-Koszó, G. Konczos, K. Lázár, G. Neuprandt: Influence of interstitial impurities on the magnetic properties of pure iron. *IEEE Trans. Magn.* **10**, 175-176 (1974)

G. Konczos, G. Sobe: Über die Kinetik der Auf- und Entkohlung von α -Eisen in Wasserstoff-Methan-Gemischen und ihre Abhängigkeit von Zustand der Probenoberfläche. *Krystall. Technik* **9**, K17-K20 (1974)

I. Nagy, L. Pál: Thermoelectric power and electrical resistivity of some Ni-based alloys near Curie point. *Acta Phys. Hung.* **35**, 99-104 (1974)

G. Serfőző: Asymptotic and pre-asymptotic region of charge-density oscillation around impurities in dilute copper-based alloys. *phys. stat. sol. (b)* **63**, 123-130 (1974)

G. Serfőző, K. Tompa, A. Lovas: Asymptotic region of charge density oscillation around impurities in dilute copper based alloys - II. *J. Phys. Chem. Sol.* **35**, 1303-1309 (1974)

K. Tompa: Local magnetic field near Mn atoms in Cu-Mn dilute alloys. *phys. stat. solidi (b)* **62**, 265-269 (1974)

K. Tompa: NMR in dilute alloys. *Pure and Applied Chemistry* **40**, 61-72 (1974)

1975

M. A. Adawi, K. Tompa, C. Hargitai, E. Kovács-Csetényi: Investigation of aluminium based dilute ternary systems by NMR method. *phys. stat. solidi (a)* **28**, 327-334 (1975)

A. Menshikov, T. Tarnóczy, E. Krén: Magnetic structure of ordered FePt and Fe₃Pt alloys. *phys. stat. sol. (a)* **28**, K85-K87 (1975)

L. Pál, T. Tarnóczy: Impurity effects in antiferromagnets. *Acta Techn. Hung.* **80**, 9-19 (1975)

1976

- Z. Frait, I. Nagy, T. Tarnóczy: Ferromagnetic resonance and relaxation in evaporated Gd-Co amorphous thin films. *Phys. Lett. A* **55**, 429-430 (1976)
- I. Kovács, B. Sas: Recovery of the electrical resistivity in Pt cold-worked at 78 K. *Philos. Mag.* **34**, 937-943 (1976)
- I. Nagy, G. Pető, T. Tarnóczy: Magnetic and galvanomagnetic properties of Gd-Co amorphous films. *Thin Solid Films* **34**, 229-233 (1976)
- I. Nagy, T. Tarnóczy, Z. Frait: Magnetic anisotropy of evaporated Gd-Co amorphous films. *Magnetism Letters* **1**, 7-9 (1976)

1977

- I. Nagy, T. Tarnóczy, Z. Frait: Magnetic properties of evaporated Gd-Co amorphous films. *Physica B+C* **86-88**, 764-766 (1977)
- L. Takács: Mössbauer investigation of the magnetic anisotropy and electronic structure of a metallic glass. *Solid State Commun.* **21**, 611-613 (1977)
- T. Tarnóczy, I. Nagy, Á. Kovács: Magnetization processes in amorphous Gd-Co films near the compensation point. *Physica B+C*, **86-88**, 1333-1334 (1977)
- K. Tompa : Examples from present-day NMR results on metals and alloys. *Materials Science* **3**, 107-113 (1977)
- K. Tompa, K.Z. Balla: NMR method for quantitative analysis of metallic alloys. *Microchimica Acta* **1**, 375-384 (1977)

1978

- M. Ostafin, J. Pietrzak, P. Kamasa: Digital frequency modulation in an NQR spectrometer. *J. Phys. E: Sci. Instrum.* **11**, 45-48 (1978)
- T. Tarnóczy, I. Nagy, C. Hargitai, M. Hossó: The role Fe₃B compound in the crystallisation of Fe-B metallic glasses. *IEEE Trans. Magn.* **MAG-14**, 1025-1027 (1978)
- J. Tóth: Kinetics of crystallization of Fe-B glass with electrical resistance measurements. *Mater. Res. Bull.* **13**, 691-696 (1978)

1979

- L. Potocky, L. Novák, É. Kisdi-Koszó, A. Lovas, J. Takács: Temperature dependence of the coercive force of the amorphous Fe-B alloys. *Acta Phys. Slovaca* **29**, 281-287 (1979)
- P. Rácz, K. Tompa, I. Pócsik: The state of water in normal and senile cataractous lenses studied by nuclear magnetic resonance. *Exp. Eye Res.* **28**, 129-135 (1979)
- P. Rácz, K. Tompa, I. Pócsik: The state of water in normal human, bird and fish eye lenses. *Exp. Eye Res.* **29**, 601-608 (1979)
- L. Takács: Electronic structure of transition metal-metalloid crystalline and glassy alloys. *phys. stat. sol. (a)* **56**, 371-377 (1979)

1980

- T. Bagi, Z. Hegedűs, E. Tóth-Kádár, I. Nagy, P.B. Barna: Formation mechanism of amorphous Ni-P films. *Acta Phys. Acad. Sci. Hung.* **49**, 181-188 (1980)

- Á. Cziráki, B. Fogarassy, I. Bakonyi, K. Tompa, T. Bagi and Z. Hegedűs: Investigation of chemically deposited and electrodeposited amorphous Ni-P alloys. *J. Phys. (Paris)* **41**, C8/141-144 (1980)
- H.J. Grabke, E.M. Müller, G. Konczos: Kinetics of carburization and decarburization of iron and iron-10%nickel in CH₄-CH₂mixtures. *Scripta Metall.* **14**, 159-162 (1980)
- K. Lázár, K. Kertész, É. Császár-Gilicze, G. Konczos: Resistivity relaxation measuring system for surface reaction rate measurements – Detecting decarburization rate of nickel. *Z. Metallkde.* **71**, 124-128 (1980)
- A. Lovas, C. Hargitai, É. Kisdi-Koszó, J. Takács, J. Király, G. Soós: Correlation between quenching temperature and mechanical and magnetic properties of Fe-B metallic ribbons. *J. Magn. Magn. Mater.* **19**, 168-170 (1980)
- L. Novák, L. Potocký, A. Lovas, É. Kisdi-Koszó, J. Takács: *J. Magn. Magn. Mater.* **19**, 149-151 (1980)
- A.S. Schaafsma, I. Vincze, F. Van der Woude, T. Kemény, A. Lovas: Short-range order of metallic glasses. *J. Phys. (Paris)* **41**, C8/246-249 (1980)
- L. Takács: A systematic analysis of metallic glass Mössbauer spectra. *J. Phys. (Paris)* **41**, C1/265-266 (1980)

1981

- I. Bakonyi, L. Takács and K. Tompa: Dipole-dipole interaction and short-range order in amorphous N-P, Ni-Cu-P, and Ni-P-B alloys. *phys. stat. sol. (b)* **103**, 489-497 (1981)
- A. Jánossy, L. Pogány, S. Pekker, R. Swietlik: Distribution of iodine in doped poliacetilene films. *Molecular Crystals, Liquid Crystals* **77**, 185-195 (1981)
- K. Lázár, A. Sütő, L. Varga: Thermopower method for detecting the ferrite-austenite transition: applications to surface reaction and diffusion. *Arch. Eisenhüttenwesen* **52**, 265-269 (1981)
- A. Lovas, É. Kisdi-Koszó, K. Zámbó-Balla, L. Potocký, L. Novák: 1981. Magnetic properties of quasi-binary Fe₈₀T₃B₁₇ amorphous alloys. *acta phys. slovacica* **31**, 117-120 (1981)
- A. Lovas, L. Potocký, L. Novák, É. Kisdi-Koszó: Structural relaxation in amorphous metallic glasses studied by the change of Curie temperature. *IEEE Trans. Magn.* **17**, 2712-2714 (1981)
- L. Novák, L. Potocký, É. Kisdi-Koszó, A. Lovas: Induced anisotropy in Fe-B amorphous alloys. *acta phys. slovacica.* **31**, 101-103 (1981)
- F. Pászti, L. Pogány, G. Mezey, E. Kótai, A. Manuaba, L. Pócs, J. Gyulai, T. Lohner: Investigations on blistering and exfoliation in gold by 3.52 MeV helium ions. *J. Nucl. Mater.* **98**, 11-17 (1981)
- L. Potocký, P. Samuely, R. Mlynek, É. Kisdi-Koszó, J. Takács: Magnetostriction properties of amorphous Fe-B alloys. *acta phys. slovacica* **31**, 105-107 (1981)
- E. Sváb, F. Forgács, F. Hajdu, N. Kroó, J. Takács: Partial correlations in Ni₆₀Nb₄₀metallic glass. *J. Non-Cryst. Sol.* **46**, 125-134 (1981)
- L. Varga, K. Tompa, T. Schmidt: Thermopower method for chemical composition and inhomogeneity measurements in amorphous Ni-P samples. *phys. stat. sol. (a).* **68**, 603-606 (1981)

P. Vojtanik, L. Potocky, M. Boskovicová, É. Kisdi-Koszó, A. Lovas: Influence of the quenching conditions on the magnetic aftereffect in Fe-B metallic glasses. *acta phys. slovacica* **31**, 109-112 (1981)

1982

P. Allia, R. Sato Turtelli, G.P. Soardo, F. Vinai, A. Lovas: Magnetic permeability after-effect in Fe-Cr-B and Fe-Cu-B amorphous systems. *J. Appl. Phys.* **53**, 7849-7851 (1982)

I. Bakonyi, I. Kovács, I. Pócsik: On the field-dependent broadening of NMR lines in paramagnets. *phys. stat. sol. (b)* **114**, 609-614 (1982)

I. Bakonyi, P. Panissod, R. Hasegawa: Magnetic properties of a glassy $\text{Ni}_{81.5}\text{B}_{18.5}$ alloy. *J. Appl. Phys.* **53**, 7771-7773 (1982)

I. Bakonyi, P. Panissod and K. Tompa: Correction of the Knight shift for demagnetizing effects. *phys. stat. sol. (b)* **111**, 59-64 (1982)

L. Cser, I. Kovács, A. Lovas, E. Sváb, Gy. Zsigmond: Small-angle neutron scattering study of Fe-B and Fe-Ni-B metallic glasses. *Nucl. Instr. Meth.* **199**, 301-305 (1982)

L. Gránásy, A. Lovas, L. Kiss, T. Kemény, É. Kisdi-Koszó: Investigation of magnetic properties and thermal stability of Fe-TM-B metallic glasses, *J. Magn. Magn. Mater.* **26**, 109-111 (1982)

Zs. Kajcsos, L. Marczis, A. Lovas, É. Kisdi-Koszó, D. Kiss, Cs. Szeles, G. Brauer: Extensive study of metallic glasses by positron annihilation. *Nucl. Instrum. Meth.* **199**, 327-332 (1982)

T. Kemény, I. Vincze, A.S. Schaafsma, F. van der Woude, A. Lovas: Crystallization kinetics of iron-boron metallic glasses. *Nucl. Instr. Meth.* **199**, 153-157 (1982)

É. Kisdi-Koszó, P. Vojtaník, L. Potocký, A. Lovas, M. Boškovicová: Magnetic after-effect in quasi-eutectic $\text{Fe}_{80}\text{TM}_{3}\text{B}_{17}$ metallic glasses. *J. Magn. Magn. Mater.* **26**, 121-123 (1982)

L. Kiss, P. Kovács, J. Farkas, A. Lovas: Electrochemical and corrosion properties of amorphous and crystalline alloys. *Protection of Metals* **18**, 144-146 (1982)

P. Kovács, J. Farkas, L. Takács, M.Z. Awad, A. Vértes, L. Kiss, A. Lovas: Effect of composition and the processing parameters on the electrochemical corrosion of iron-boron metallic glasses. *J. Electrochem. Soc.* **129**, 695-700 (1982)

A. Manuaba, F. Pászti, L. Pogány, M. Fried, E. Kótai, G. Mezei, T. Lohner, I. Lovas, L. Pócs, J. Gyulai: Comparative study on $\text{Fe}_{32}\text{Ni}_{36}\text{Cr}_{14}\text{P}_{12}\text{B}_6$ metallic glass and its polycrystalline modification bombarded by 2000 keV helium ions with high fluence. *Nucl. Instr. Meth.* **199**, 409-419 (1982)

L. Novák, L. Potocký, É. Kisdi-Koszó, S. Uliciansky, R. Mlýnek, A. Lovas, J. Takács: Magnetic and stress annealing of $\text{Fe}_{80}\text{T}_3\text{B}_{17}$ amorphous alloys, *J. Magn. Magn. Mater.* **26**, 118-120 (1982)

L. Potocký, A. Lovas, É. Kisdi-Koszó, L. Novák, J. Takács: Magnetic properties of Fe-B amorphous alloys containing rare earth additives. *J. Magn. Magn. Mater.* **26**, 112-114 (1982)

T. Schmidt, L. Varga, T. Kemény, G. Konczos, K. Tompa, Zs. Kajcsos: The effect of the composition and processing parameters on physical properties of amorphous electroless $\text{Ni}_{1-x}\text{P}_x$ alloys. *Nucl. Instr. Meth.* **199**, 359-366 (1982)

L. Takács, A. Vértes, H. Leidheiser: Effect of stresses on the Mössbauer line-intensities in nickel electrodeposits of [100] texture. *phys. stat. sol. (a)* **74**, K45-K48 (1982)

L. Takács, A. Vértes, A. Lovas, P. Kovács, J. Farkas, L. Kiss: Mössbauer and electrochemical corrosion studies of Fe₈₀T₃B₁₇ metallic glasses. *Nucl. Instr. Meth.* **199**, 281-284 (1982)

L.K. Varga, T. Schmidt: Resistivity measurements on amorphous Ni-P alloys prepared by different techniques. *phys. stat. sol. (a)*. **74**, 279-283 (1982)

L. Varga, K. Tompa: ³¹P NMR measurements on dilute Ni-P based amorphous alloys. *Nucl. Instr. Meth.* **199**, 241-245 (1982)

1983

P. Allia, R. Sato Turtelli, F. Vinai, A. Lovas: Influence of structural relaxation on the magnetic permeability aftereffect of amorphous ferromagnetic alloys. *Solid State Commun.* **47**, 951-954 (1983)

L. Bottyán, D.L. Beke, K. Tompa: Diffusion-induced quadrupole relaxation of ²⁷Al nuclei in dilute Al-Ti, Al-Cr, Al-Mn and Al-Cu alloys at high temperatures. *phys. status solidi (b)*. **118**, 835-842 (1983)

J. P. Carini, S.R. Nagel, L.K. Varga, T. Schmidt: Electronic transport in amorphous Ni_{1-x}P_x alloys. *Phys. Rev. B* **27**, 7589-7599 (1983)

E. Hiltunen, L. Takács: Crystallization of Fe-P amorphous alloys as studied by the EDXD method. *J. Mater. Sci.* **18**, 1515-1521 (1983)

M. Ördögh, S. Fazekas, E. Horváth, I. Óváry, L. Pogány, I.L. Sziklai, E. Szabó: The regional distribution of copper and other trace elements in the human brain with special reference to Wilson's disease. *J. Radioanal. Chem.* **79**, 15-21 (1983)

P. Panissod, I. Bakonyi, R. Hasegawa: NMR study of the boron coordination in Ni_{100-x}B_x metallic glasses. *J. Magn. Magn. Mater.* **31-34**, 1523-1524 (1983)

P. Panissod, I. Bakonyi, R. Hasegawa: Local boron environment in Ni_{100-x}B_x metallic glasses: an NMR study. *Phys. Rev. B* **28**, 2374-2381 (1983)

F. Pászti, M. Fried, L. Pogány, A. Manuaba, G. Mezey, E. Kótai, I. Lovas, T. Lohner, L. Pócs: Pattern formation in metallic glasses induced by helium-ion implantation. I. Experiment. *Phys. Rev. B* **28**, 5688-5691 (1983)

F. Pászti, M. Fried, L. Pogány, A. Manuaba, G. Mezey, E. Kótai, I. Lovas, T. Lohner, L. Pócs: Flaking and wave-like structure on metallic glasses induced by MeV-energy helium ions. *Nucl. Instrum. Meth.* **209-210**, 273-280 (1983).

F. Pászti, M. Fried, L. Pogány, A. Manuaba, G. Mezey, E. Kótai, I. Lovas, T. Lohner, L. Pócs: Exfoliation on stainless steel and inonel produced by 0.8-4 MeV helium bombardment. *Nucl. Instrum. Meth.* **209-210**, 1001-1009 (1983).

F. Pászti, A. Manuaba, L. Pogány, G. Vizkelethy, M. Fried, E. Kótai, H.V. Suu, T. Lohner, L. Pócs, G. Mezey: Surface deformations and gas escape process studied by quasy-simultaneous multiple energy irradiation. *J. Nucl. Mat.* **119**, 26-36 (1983).

Rácz P., Tompa K., Pócsik I., Bánki P.: Water fractions in normal and senile cataractous eye lenses studied by NMR. *Exp. Eye Res.* **36**, 663-669 (1983).

Rácz P., Tompa K., Pócsik I., Bánki P.: NMR spectroscopy of ocular lens. *Lens Research* **1**, 199- (1983).

P. Révész, J. Gyimesi, L. Pogány, G. Pető: Lateral growth of titanium silicide over a silicon dioxide layer. *J. Appl. Phys.* **54**, 2114-2115 (1983)

L. Takács, C. Hargitai: Hyperfine fields and local environment in iron - boron metallic glasses. *J. Phys. F: Met. Phys.* **13**, 183-190 (1983)

1984

I. Bakonyi, P. Panissod, J. Durand, R. Hasegawa: Magnetic and NMR study of amorphous crystalline Ni-B alloys. *J. Non-Cryst. Sol.* **61-62**, 1189-1193 (1984)

I. Bakonyi, E. Tóth-Kádár, P. Horváth, F.I. Tóth: Exchange-coupled magnetic films as models for nonuniform soft magnetic materials. *J. Magn. Magn. Mater.* **41**, 321-323 (1984)

L. Cser, I. Gladkih, C. Hargitai: Impurity charge screening in 3d alloys, *Phys. Stat. Sol. (b)* **124**, 271-278 (1984)

O. Dusa, L. Potocky, L. Novák, É. Zsoldos, É. Kisdi-Koszó, A. Lovas, K. Zámbo-Balla: Crystallization of Fe-RE-B quasi-binary glassy alloys. *J. Magn. Magn. Mater.* **41**, 119-121 (1984)

M. El-Shabasy, L. Pogány, G. Konczos, É. Hajtó, B. Szikora: Scratch-profiles study in thin films using SEM and EDS. *Electrocomponent Science and Technology* **11**, 237-241 (1984)

B. Fogarassy, Á. Cziráki, I. Szabó, B. Albert, Cs. Kopasz, T. Kemény, G. Konczos, K. Zámbo-Balla: Crystallization of multi-component transition metal-metalloid glasses. *J. Magn. Magn. Mater.* **42**, 179-182 (1984)

L. Gránásy, A. Lovas: The influence of technological conditions on the Curie point relaxation of Fe₂₅Ni₅₅B₁₀Si₁₀ metallic glasses. *J. Magn. Magn. Mater.* **41**, 113-115 (1984)

R. Grössinger, A. Lovas, G. Wiesinger, G. Badurek, R. Krewenka, S. Hausberger, H. Sassik, H. Kirchmayr: Influence of the sign and magnitude of the magnetostriction constant λ_s on magnetoelastic properties. *IEEE Trans. Magn.* **MAG-20**, 1397-1399 (1984)

R. Grössinger, H. Sassik, A. Lovas: The influence of processing on magnetic and mechanical properties of Fe-B and Co-B metallic glasses. *J. Magn. Magn. Mater.* **41**, 107-109 (1984)

C. Hargitai, M. Hossó, I. Nagy, T. Tarnóczy, C. Kopasz: Magnetic properties of metallic glasses with low magnetostriction and relatively high saturation induction. *J. Magn. Magn. Mater.* **41**, 97-100 (1984)

A. Jánossy, G. Mihály, G. Kriza: Current induced deformation of charge density waves in orthorhombic TaS₃. *Solid State Commun.* **51**, 63-66 (1984)

L.F. Kiss, A. Ashry, F.I. Tóth, K. Zámbo-Balla: Effect of W on the magnetic aftereffect of Fe-W-B glasses. *J. Magn. Magn. Mater.* **41**, 391-394 (1984)

G. Konczos, É. Kisdi-Koszó, A. Lovas, Zs. Kajcsos, L. Potocky, J. Daniel-Szabó, J. Kovác, L. Novák: Correlation between magnetic properties and density of Fe-T-B (T=W, Cr) glassy alloys. *J. Magn. Magn. Mater.* **41**, 122-124 (1984)

C. Kopasz, C. Hargitai, M. Hossó, I. Nagy, T. Tarnóczy: Disaccommodation in a nearly zero magnetostriction metallic glass. *J. Magn. Magn. Mater.* **41**, 395-397 (1984)

C. Kopasz, B. Molnár, G. Márki, B. Albert, C. Hargitai, G. Szolcsányi: Effects of process conditions on the properties of Fe₄₀Ni₄₀B₁₃Si₇ glassy ribbons. *J. Magn. Magn. Mater.* **41**, 93-96 (1984)

A. Kosturiak, L. Potocky, R. Mlynek, J. Gajdusek, A. Lovas, É. Kisdi-Koszó, L.F. Kiss: Influence of coatings on the magnetic properties of Fe-B metallic glasses. *J. Magn. Magn. Mater.* **41**, 105-106 (1984)

G. Mihály, G. Kriza, A. Jánossy: Relaxation of charge-density-wave deformations in orthorhombic TaS₃: electric and thermal memory effects. *Phys. Rev. B* **30**, 3578-3581 (1984)

L. Novák, L. Potocky, É. Kisdi-Koszó, A. Lovas, J. Takács: Induced magnetic anisotropy of Fe-X-B glassy alloys. *J. Magn. Magn. Mater.* **46**, 91-94 (1984)

L. Potocky, J. Daniel-Szabó, J. Kovác, É. Kisdi-Koszó, A. Lovas, K. Zámbo-Balla: Ferromagnetic exchange in quasi-binary Fe-T-B glassy alloys. *J. Magn. Magn. Mater.* **41**, 125-127 (1984)

L. Takács, G. Konczos, K. Zámbo-Balla, A. Vértes: Effect of Cr and W substitution on the packing fraction and electron density of Fe-B metallic glasses. *J. Magn. Magn. Mater.* **41**, 110-112 (1984)

S. Uliciansky, É. Kisdi-Koszó, A. Lovas: The influence of mechanical stress on magnetization reversal of amorphous Fe-TM-B magnetic alloys. *J. Magn. Magn. Mater.* **41**, 128-130 (1984)

L.K. Varga, A. Lovas, J. Tóth, S. Arajcs: Electrical properties of Ni_{100-x}B_x and Ni_{81.5}B_{18.5-y}P_y metallic glasses. *J. Non-Cryst. Solids* **65**, 417-422 (1984)

L.K. Varga, J. Tóth, G. Hilscher, R. Grössinger, H. Sassik: Onset of magnetism in the Ni_{80-x}Fe_xP₂₀ amorphous alloy system. *J. Magn. Magn. Mater.* **41**, 131-134 (1984)

A. Vértes, K. Burger, L. Takács, I. Horváth: The Debye-Waller factor of molecules trapped in the pores of thirsty glass. *J. Radioanal. Nucl. Chem.* **86**, 195-204 (1984)

A.V. Vlasov, L.I. Vinokurova, M. Pardavi-Horváth, A. Lovas: Effects of pressure on amorphous Fe₂₅Ni₅₅Si₁₀B₁₀ alloys. *J. Magn. Magn. Mater.* **41**, 116-118 (1984)

P. Vojtaník, M. Boskovicová, É. Kisdi-Koszó, A. Lovas: Relaxation processes in Co₇₅B₂₅ amorphous alloy. *J. Magn. Magn. Mater.* **41**, 385-387 (1984)

A.V. Zalesskii, V.G. Krivenko, V.S. Lutovinov, T.A. Khimich, V.N. Shadonov, K. Tompa, P. Bánki: Effect of paramagnetic impurity on spin-spin and spin-lattice relaxation of ⁵⁷Fe nuclei in hematite. *Soviet Physics - JETP (USA)* **59**, 1099-1103 (1984) [Translation of: *Zh. Eksp. Teor. Fiz. (USSR)* **86**, 1891-1899 (1984)]

Gy. Zentai, L. Pogány: Temperature and substrate dependence of the morphology of glow-discharge-deposited a-Si:H. *Thin Solid Films* **116**, 251-257 (1984)

1985

I. Bakonyi, K.-S. Han, H.E. Schone: ⁵¹V NMR of amorphous and crystalline V-Zr alloys. *phys. stat. sol. (b)* **131**, 249-254 (1985)

I. Bakonyi, L.K. Varga, A. Lovas, E. Tóth-Kádár, A. Sólyom: Magnetization and NMR study of amorphous Ni-P alloys in the paramagnetic concentration range. *J. Magn. Magn. Mater.* **50**, 111-118 (1985)

B. Fogarassy, A. Böhönyei, Á. Cziráki, I. Szabó, L. Gránásy, A. Lovas and I. Bakonyi: Relaxation study of Ni-P-B metallic glasses. *J. Phys. (Paris)* **46**, C8/473-477 (1985)

- H.-J. Grabke, E.M. Müller, H.V. Speck, G. Konczos: Kinetics of the carburization of iron alloys in methane-hydrogen mixtures and of the decarburization in hydrogen. *Steel Research* **56**, 275-282 (1985)
- G. Hrehuss, T.I. Gombosi, I. Náday, L. Pogány, K. Szegő: Proposal for investigation of minor bodies of the solar system using remote sensing of electron beam induced X-ray fluorescence. *Acta Physica Hung.* **58**, 83-100 (1985)
- Z. Juránek, L. Potocky, P. Kollár, A. Lovas, É. Kisdi-Koszó: Surface magnetic polarization of amorphous ferromagnets. *acta phys. slov.* **35**, 314-317 (1985)
- G. Kisfaludi, K. Lázár, Z. Schay, L. Guzzi, Cs. Fetzer, G. Konczos, A. Lovas: Surface characterization and catalytic CO+H₂ reaction on Fe_{82.8}B_{17.8} amorphous alloy. *Appl. Surf. Sci.* **24**, 225-238 (1985)
- J. Kovác, L. Potocky, É. Kisdi-Koszó, A. Lovas, L. Novák: Low temperature magnetic properties of amorphous Fe-Cr-B alloys. *acta phys. slov.* **35**, 240-243 (1985)
- G. Kriza, A. Jánossy, G. Mihály: Delayed switching between normal and CDW conducting states in o-TaS₃. *Lecture Notes in Physics* **217**, 426-430 (1985)
- G. Mihály, A. Jánossy, G. Kriza: Electric field induced relaxation of metastable states in orthorhombic TaS₃. *Lecture Notes in Physics* **217**, 396-403 (1985)
- R. Kuentzler, I. Bakonyi, A. Lovas: Low-temperature specific heat study of Ni_{81.5}P_xB_{18.5-x} (0≤x≤18.5) metallic glasses. *Solid State Commun.* **55**, 567-571 (1985)
- L. Novák, L. Potocky, É. Kisdi-Koszó, A. Lovas, J. Daniel-Szabó: Curie temperature of Fe-Cr-B and Fe-W-B amorphous alloys. *acta phys. slov.* **35**, 244-247 (1985)
- F. Pászti, C. Hajdu, A. Manuaba, N.T. My, E. Kótai, L. Pogány, G. Mezey, M. Fried, G. Vizkelethy, J. Gyulai: Flaking and wave-like structure on MeV energy high dose He bombarded silicon. *Nucl. Instr. Meth.* **B7/8**, 371-374 (1985)
- L. Potocky, P. Vojtanik, É. Kisdi-Koszó, A. Lovas: Some magnetic properties and magnetic after-effect in amorphous Fe₈₀T₃B₁₇ alloys. *acta phys. slov.* **35**, 279-284 (1985)
- T. Tarnóczy: Structural relaxation and Curie-point of a metallic glass. *phys. stat. sol. (a)* **87**, 283-291 (1985)
- T. Tarnóczy, M. Hossó: Peculiarities of Curie-point relaxation in a metallic glass. *J. Phys. (Paris)* **46**, C6/189-192 (1985)
- P. Vojtanik, J. Dániel-Szabó, L. Potocky, D. Macko, J. Takács: Influence of undercritical annealing on the magnetic properties of a Co₇₅B₂₅ amorphous alloy. *acta phys. slov.* **35**, 285-289 (1985)

1986

- I. Bakonyi, Á. Cziráki, I. Nagy, M. Hossó: Crystallization characteristics of electrodeposited amorphous Ni-P alloys. *Z. Metallkde.* **77**, 425-432 (1986)
- I. Bakonyi, H. Ebert, J. Voigtländer, A. Lovas: Magnetization study of amorphous Ni₇₅TM₅P₂₀ alloys with TM=Ti to Cu. *J. Magn. Magn. Mater.* **54-57**, 243-244 (1986)
- I. Bakonyi, P. Panissod, M. Miljak, E. Babić: Magnetization and NMR study of the magnetic inhomogeneities and electronic structure fluctuations in the metallic glasses Ni₈₀P₁₄B₆ and Ni₇₈B₁₄Si₈. *J. Magn. Magn. Mater.* **58**, 97-106 (1986)

- I. Bakonyi, H.E. Schone, L.K. Varga, K. Tompa, A. Lovas: Knight shift and spin-lattice relaxation for ^{63}Cu and ^{31}P in amorphous Ni-Cu-P alloys. *Phys. Rev. B* **33**, 5030-5033 (1986)
- M. Bobest, I. Furó, K. Tompa, I. Pócsik, A. Kuntz: H-NMR Study of intervertebral discs; A preliminary report. *Spine* **11**, 709-711 (1986)
- Gy. Faigel, L. Gránásy, T. Kemény, A. Lovas, I. Vincze, W. Hoving, P.M.L.O. Scholte, F. van der Woude, R. Hauert, P. Oelhafen, H.J. Günterodt: Correlation between the atomic and electronic structure of metallic glasses. *Hyperfine Interact.* **27**, 381-384 (1986)
- I. Furó, M. Bobest, I. Pócsik, K. Tompa: In vitro ^1H NMR "mapping" of human intervertebral discs. *Magn. Res. Med.* **3**, 146-149 (1986)
- I. Furó, I. Pócsik, K. Tompa, A. Stader-Szőke, J. Szejtli: Solid state ^1H NMR study of beta-cyclodextrin-water complexes. *Carbohydrate Polymers* **6**, 85-93 (1986)
- E.J. Hiltunen, J.A. Lehto, L. Takács: On the structure of Fe-P amorphous alloys prepared by electrodeposition and melt-spinning. *Phys. Scripta* **34**, 239-244 (1986)
- I.B. Khaibullin, G.G. Zakirov, M.M. Zaripov, T. Lohner, L. Pogány, G. Mezey, M. Fried, E. Kótai, F. Pászti, A. Manuaba, J. Gyulai: Effect of heavy ion implantation and laser annealing on the structural properties of germanium. *phys. stat. sol. (a)* **94**, 371-377 (1986)
- G. Kriza, G. Mihály: Stretched-exponential relaxation in a charge-density-wave system. *Phys. Rev. Lett.* **56**, 2529-2532 (1986)
- U. Mizutani, I. Bakonyi: Low-temperature specific heats of pseudo-binary $(\text{Ni}_{1-x}\text{Cu}_x)_{80}\text{P}_{20}$ and $(\text{Ni}_{1-x}\text{Cu}_x)_{77}\text{B}_{13}\text{Si}_{10}$ metallic glasses. *J. Phys. F: Met. Phys.* **16**, 1583-1591 (1986)
- I. Pócsik, I. Furó, P. Rácz: Freezing-thawing hysteresis. I. Detection in human lens. *Ophthalm. Res.* **18**, 270-274 (1986)
- I. Pócsik, I. Furó, P. Rácz: Freezing-thawing hysteresis. II. Investigation of human ocular tissues. *Ophthalm. Res.* **18**, 275-278 (1986)
- I. Pócsik, I. Furó, K. Tompa, T. Neumark, J. Takács: Combined ^1H -NMR and vacuum dehydration study of rat muscles. *Biophysica et Biochimica Acta* **880**, 1-9 (1986)
- B. Sas, T. Kemény, J. Tóth: Effect of transition metal additions on the resistivity of $\text{Fe}_{83}\text{B}_{17}$ amorphous alloys. *Solid. State Commun.* **59**, 195-197 (1986)
- L. Takács: Statistical geometry of some dense random packing of hard spheres models structures. 1. Description of local order. *J. Non-Cryst. Sol.* **81**, 1-11 (1986)
- L. Takács: Statistical geometry of some dense random packing of hard spheres models structures. 2. Concentration and radius ratio dependence. *J. Non-Cryst. Sol.* **81**, 13-28 (1986)

1987

- I. Bakonyi, H. Ebert, W. Socher, J. Voithländer, E. Wachtel, N. Willmann, B. Predel: Magnetic properties of amorphous and liquid Ni-P-B alloys. *J. Magn. Magn. Mater.* **68**, 47-53 (1987)
- I. Bakonyi, H. Ebert, J. Voithländer, K. Tompa, A. Lovas, G. Konczos, P. Bánki, H.E. Schone: Magnetization and ^{31}P NMR study of $(\text{Zr}_{0.50}\text{Ni}_{0.50})_{100-x}\text{P}_x$ metallic glasses with $0 \leq x \leq 7$. *J. Appl. Phys.* **61**, 3664-3666 (1987)
- I. Furó, A. Jánossy: Evidence of antiferromagnetic ordering in La_2CuO_4 : Reinterpretation of La nuclear quadrupole resonance (NQR) data. *Jap. J. Appl. Phys. Lett.* **26**, L1307-L1309 (1987)

- I. Furó, A. Jánossy, L. Mihály, P. Bánki, I. Pócsik, I. Bakonyi, I. Heinmaa, E. Joon, E. Lippmaa: Nuclear quadrupole resonance and nuclear magnetic resonance of copper in the high- T_c superconductor $YBa_2Cu_3O_{7-\delta}$ *Phys. Rev. B* **36**, 5690-5693 (1987)
- I. Furó, I. Pócsik, K. Tompa, R. Teeaar, E. Lippmaa: CP-DD-MAS C-13-NMR investigations of anhydrous and hydrated cyclomalto-oligosaccharides: the role of water of hydration. *Carbohydrate Research* **166**, 27-33 (1987)
- M. Füstöss-Wégner, D.S. Kim, H.S. Pak, Gy. Zentai, L. Pogány: Effect of microinhomogeneities on collection efficiency spectra in (p-i-n) a-Si:H junctions. *J. Non-Cryst. Sol.* **97-98**, 1327-1330 (1987)
- M. Füstöss-Wégner, Gy. Zentai, L. Pogány: The effect of the morphology on the transport properties of α -Si:H layers. *J. Non-Cryst. Sol.* **90**, 215-218 (1987)
- Gy. Hutiray, A. Jánossy, G. Kriza, L. Mihály, S. Pekker, P. Ségransan, Z. Szőkefalvi-Nagy, É. Zsoldos: Electronic properties of La-Cu oxides. *Solid State Commun.* **63**, 907-910 (1987)
- S.N. Ishmaev, S.L. Isakov, I.P. Sadikov, E. Sváb, L. Kőszegi, A. Lovas, Gy. Mészáros: Direct evidence for B-B contact in amorphous Ni_2B from high-resolution neutron diffraction. *J. Non-Cryst. Solids* **94**, 11-21 (1987)
- A. Jánossy, G. Kriza, S. Pekker, K. Kamarás: Linear current-field relation of charge-density waves near the depinning threshold in alkali-metal blue bronzes $A_{0.3}MoO_3$. *Europhys. Lett.* **3**, 1027-1033 (1987)
- G. Kisfaludi, Z. Schay, L. Guzzi, G. Konczos, A. Lovas, P. Kovács: Surface structure and catalytic activity of rapidly quenched amorphous iron based alloys. I. Effect of the cooling rate. *Appl. Surface Sci.* **28**, 111-127 (1987)
- G. Konczos, B. Sas, L. Malkinski: Density of metallic glasses. *Key Engineering Materials* **13-15**, 19-26 (1987)
- A. Lovas, É. Kisdi-Koszó, L. Potocky, L. Novák: Effect of processing conditions on physical properties of transition metal-metalloid metallic glasses. *J. Mater. Sci.* **22**, 1535-1546 (1987)
- L. Malkinski, G. Konczos, L.F. Kiss: Density of Fe-Si-B metallic glasses. *Acta Phys. Pol. A* **72**, 177-180 (1987)
- G. Mezey, F. Pászti, L. Pogány, M. Fried, A. Manuaba, G. Vizkelethy, Cs. Hajdu, E. Kótai: Surface deformation due to high fluence helium irradiation. *Vacuum* **37**, 41-45 (1987)
- L. Mihály, Gy. Hutiray, S. Pekker, G. Kriza, M. Prester, L. Forró, N. Brnicevic, A. Hamzic: Structure and electronic properties of La-Sr-Cu oxide ceramics. *Solid State Commun.* **63**, 133-135 (1987)
- L. Mihály, L. Rosta, G. Coddens, F. Mezei, Gy. Hutiray, G. Kriza, B. Keszei: Phonon density of states of the $YBa_2Cu_3O_y$ superconducting ceramics. *Phys. Rev. B* **36**, 7137-7140 (1987)
- I. Nagy, C. Hargitai, Cs. Kopasz: Correlations among the technological parameters and the soft magnetic parameters of metallic glasses. *Key Engineering Materials* **13-15**, 837-848 (1987)
- E. Pásztor, A.A. Kemény, K. Tompa, I. Furó, I. Pócsik, L. Fedina: In vitro assessment of MR relaxation properties of pituitary adenomas. *Journal of Computer Assisted Tomography.* **11**, 378-383 (1987)

- I. Pócsik, I. Furó: Solitons in chiral liquid-crystalline systems. *Mol. Cryst. & Liquid Cryst.* **151**, 129-145 (1987)
- I. Pócsik, J. Lasanda, F. Tóth, P. Bánki, G. Kroó, M. Juhász: Developments of some solid state NMR spectrometer components. *Acta Physica Hungarica* **61**, 55-57 (1987).
- L. Potocky, P. Kollár, Z. Juránek, É. Kisdi-Koszó, G. Vértesy, L. Pogány, Z. Vértesy: The role of stresses in surface magnetic properties of some metallic glasses. *Acta Phys. Pol.* **A72**, 801-805 (1987)
- B. Sas, J. Tóth, A. Lovas, G. Konczos: Influence of transition metal additives on the transport properties of amorphous $\text{Fe}_{80}\text{T}_3\text{B}_{17}$ and $\text{Ni}_{77}\text{T}_3\text{B}_{20}$. *Key Engineering Materials* **13-15**, 493-496 (1987)
- T. Tarnóczy, A. Lovas: Kinetics of relaxation in metallic glasses with and without Cr. *phys. stat. sol. (a)* **100**, K177-K179 (1987)
- E. Tóth-Kádár, I. Bakonyi, A. Sólyom, J. Hering, G. Konczos, F. Pavlyák: Preparation and characterization of electrodeposited amorphous Ni-P alloys. *Surf. Coat. Technol.* **31**, 31-43 (1987)
- E. Tóth-Kádár, I. Bakonyi, A. Sólyom, J. Hering, G. Konczos: Experimental arrangement for obtaining uniform amorphous Ni-P alloys by electrodeposition. *Key Eng. Mater.* **13-15**, 39-42 (1987)

1988

- I. Bakonyi: On the magnetic susceptibility and electronic density of states of the crystalline nickel monoboride NiB. *J. Magn. Magn. Mater.* **73**, 171-174 (1988)
- I. Bakonyi, H. Ebert, W. Socher, J. Voithländer, I. Furó, P. Bánki, A. Lovas, U. Mizutani: Magnetic susceptibility and ^{31}P nuclear magnetic resonance study of the electronic structure of amorphous and crystalline Ni-Cu-P alloys. *Mater. Sci. Eng.* **99**, 301-304 (1988)
- I. Balásházy, I. Fehér, G. Szabadyé-Szende, M. Lőrinc, P. Zombori, L. Pogány: Examination of hot particles collected in Budapest following the Chernobyl accident. *Rad. Prot. Dosim.* **22**, 263-267 (1988)
- L. Bottyán, B. Molnár, D.L. Nagy, I.S. Szücs, J. Tóth, J. Dengler, G. Ritter, J. Schober: Evidence for Fe^{4+} in $\text{YBa}_2(\text{Cu}_{1-x}\text{M}_x)_3\text{O}_{7-y}$ ($\text{M} = ^{57}\text{Co}, ^{57}\text{Fe}$) by absorption and emission Mössbauer spectroscopy. *Phys. Rev. B* **38**, 11373-11381 (1988)
- I. Furó, I. Bakonyi, K. Tompa, A. Lovas, I. Heinmaa, M. Alla, E. Lippmaa, H.E. Schone: High resolution solid state nuclear magnetic resonance study of the electronic structure of rapidly quenched alloys. *Mater. Sci. Eng.* **99**, 305-308 (1988)
- R. Grössinger, H. Sassik, R. Wezulek, T. Tarnóczy: The magnetostriction and magnetic behaviour of amorphous $(\text{Fe}_{80-x}\text{R}_x)\text{B}_{20}$ ($\text{R}=\text{Y},\text{Ce},\text{Nd},\text{Sm},\text{Gd},\text{Dy},\text{Ho},\text{Er},\text{Tm},\text{Lu}$) ($0 < x < 10$) *J. Phys. (Paris)* **49**, C8/1337-1338 (1988)
- C. Hargitai, C. Kopasz, S. Németh, B. Albert: Magnetic anisotropy and process parameters in a nearly zero-magnetostriction metallic glass $\text{Fe}_{4.5}\text{Co}_{66}\text{Ni}_{3.5}\text{Nb}_2\text{Cr}_1\text{B}_{14}\text{Si}_9$. *Mater. Sci. Engr.* **99**, 81-85 (1988)
- E.J. Hiltunen, M. Kesti, A. Ulvinen, L. Takács: Crystallization of melt-spun $\text{Fe}_{81}\text{P}_{19}$ metallic glass. *J. Mater. Sci. Letters* **7**, 441-443 (1988)
- M.N. Hlopkin, J. Tóth, A.A. Shikov, É. Zsoldos: Thermoelectric power of $\text{YBa}_2\text{Cu}_3\text{O}_x$ superconductors. *Solid State Commun.* **68**, 1011-1013 (1988)

- Gy. Hutiray, L. Pogány, S. Sándor, G. Oszlányi, B. Keszei, L. Mihály: Electrical properties and compositional analysis of multiphase Bi-Cu-Sr-Ca oxide system. *Physica C* **153**, 1361-1362 (1988)
- P. Kamasa, F.I. Tóth, J. Kasprzak, J. Pietrzak: Multimode averager and Fourier transform system for pulse NMR/NQR spectrometers. *Nauchn. Appar.* **3**(3), 31-38 (1988)
- I. Kirschner, I. Halász, T. Träger, J. Tóth, Gy. Kovács, T. Porjesz, G. Zsolt, T. Kármán: Preparation dependent superconductivity in $\text{TlCaBa}_2\text{Cu}_3\text{O}_{7.5\pm\delta}$ above 100 K. *Z. Phys. B* **73**, 293-297 (1988)
- G. Kisfaludi, K. Matusek, Z. Schay, L. Gucci, A. Lovas: Decomposition of formic acid on $\text{Fe}_{80}\text{B}_{20}$ metallic glasses. *Mater. Sci. Engr.* **99**, 547-549 (1988)
- L.B. Kiss, K. Tompa, I. Hevesi, Gy. Trefán, G. Gévay, A. Lovas: Point contact 1/f noise in glassy metal ribbons. *Solid State Commun.* **66**, 525-527 (1988)
- G. Konczos, É. Kisdi-Koszó, A. Lovas: Recent progress in the application of soft magnetic amorphous materials: alloys, preparation, devices. *Physica Scripta* **T24**, 42-48 (1988)
- E. Lippmaa, E. Joon, I. Heinmaa, V. Miidel, A. Miller, R. Stern, I. Furó, L. Mihály, P. Bánki: NMR studies of high-temperature superconductors. *Physica C* **153**, 91-94 (1988)
- A. Lovas, L. Potocky, Á. Cziráki, É. Kisdi-Koszó, É. Zsoldos, L. Pogány, L. Novák: Rapid annealing of Fe-B metallic glasses. *Z. Phys. Chem. Neue Folge* **157**, 371-375 (1988)
- G. Mihály, G. Kriza, G. Grüner: Heat transport by moving charge-density states. *Solid State Commun.* **68**, 993-996 (1988)
- L. Mihály, I. Furó, S. Pekker, P. Bánki, E. Lippmaa, V. Miidel, E. Joon, I. Heinmaa: Localized magnetic moments in oxygen deficient $\text{YBa}_2\text{Cu}_3\text{O}_{7-\delta}$. *Physica C* **153**, 87-90 (1988)
- L. Mihály, K. Tompa, I. Bakonyi, P. Bánki, É. Zsoldos, S. Pekker, G. Oszlányi, Gy. Hutiray: Nuclear magnetic resonance study of ^{205}Tl in multiphase Tl-Ba-Ca-Cu oxide superconductors. *Int. J. Mod. Phys. B* **2**, 1227-1234 (1988)
- S. Nagy, E. Kuzmann, A. Vértes, G. Szabó, G. Konczos: Chromium determination in bcc FeCrNi alloys on the basis of the statistical interpretation of Mössbauer spectra. *Nucl. Instrum. Meth. B* **34**, 217-223 (1988)
- L. Potocky, É. Kisdi-Koszó, A. Lovas, L. Pogány, E. Krén, J. Kovác, L. Novák, P. Kollár: Metallic glasses cast in magnetic field. *J. Physique (Paris)* **49**, C8/1315-1316 (1988)
- B. Sas, J.M. Broto, N. de Courtenay, A. Fert: Weak localization effect in the magnetoresistance of Ni-TM-B amorphous alloys. *Solid State Commun.* **66**, 777-779 (1988)
- B. Sas, T. Kemény, J. Tóth, B. Fogarassy: Magnetic contribution to the thermopower of iron based amorphous alloys. *Z. Phys. Chem. Neue Folge* **157**, 765-769 (1988)
- B. Sas, T. Kemény, J. Tóth, F.I.B. Williams: Scattering mechanisms and transport properties of iron-transition metal-boron amorphous alloys. *Mater. Sci. Eng.* **99**, 223-225 (1988)
- B. Sas, A. Lovas, J. Tóth, T. Kemény: The influence of magnetic scattering to the transport properties of Ni-based amorphous alloys. *Z. Phys. Chem. Neue Folge* **157**, 797-801 (1988)
- H.E. Schone, H.C. Hoke, A. Johnson, I. Bakonyi, K. Tompa, A. Lovas: Nuclear magnetic resonance studies of diffusion of hydrogen in amorphous alloys of the type Ni-Zr-P. *Mater. Sci. Eng.* **97**, 431-435 (1988)

- E. Sváb, Gy. Mészáros, G. Konczos, S.N. Ishmaev, S.L. Isakov, I.P. Sadikov, A.A. Chernyshov: Short range order in amorphous Ni₆₂Nb₃₈ studied by isotopic neutron diffraction. *J. Non-Cryst. Sol.* **104**, 291-299 (1988)
- E. Sváb, L. Kőszegi, Gy. Mészáros, J. Takács, S.N. Ishmaev, S.L. Isakov, I.P. Sadikov, A.A. Chernyshov: Partial correlations in amorphous Ni₆₂Nb₃₈ from high-resolution neutron diffraction. *Z. Phys. Chem. Neue Folge* **157**, 5-9 (1988)
- T. Tarnóczy, A. Lovas, C. Kopasz: The influence of quenching rate on the relaxation processes in a nearly non-magnetostrictive metallic glass. *Mater. Sci. Engr.* **97**, 509-513 (1988)
- T. Tarnóczy, G. Konczos, K. Zámbo-Balla, Z. Hegedüs: Change in Curie point due to structural relaxation in metallic glasses. *J. Phys. (Paris)* **49**, C8/1271-1272 (1988)
- K. Tompa, I. Bakonyi, P. Bánki, I. Furó, S. Pekker, J. Vandlik, G. Oszlányi, L. Mihály: ²⁰⁵Tl NMR spin echo investigations in multiphase Tl-Ba-Ca-Cu oxide superconductors. *Physica C* **152**, 486-490 (1988)
- J. Tóth, S. Pekker, S.V. Gaponov, M.D. Strikovskij, E.P. Krasnoperov, A.A. Teplov, M.B. Tsetlin, A.A. Shikov: On upper critical field of high-T_c superconductors on the base of yttrium and thallium. *Superconductivity: Physics, Chemistry, Engineering*, No. 4, 20-25 (Sep. 1988)
- M. Trhlík, B. Sedlák, J. Englich, S. Kapusta, M. Rotter, T. Lesner, P. Cizek, M. Finger, É. Kisdi-Koszó, A. Lovas: Nuclear spin-lattice relaxation of ⁶⁰Co in the glassy alloy Co_{3.1}Fe_{80.5}B_{16.4} studied by low-temperature nuclear orientation. *J. Phys. F: Met. Phys.* **18**, 2283-2289 (1988)
- E. Wachtel, N. Willmann, J. Bahle, I. Bakonyi, A. Lovas, H.H. Liebermann: Magnetic properties of amorphous and liquid Ni-P alloys around 20 at.% P. *J. Phys. (Paris)* **49**, C8/1277-1278 (1988)

1989

- I. Bakonyi, P. Bánki, K. Tompa, H. Ebert, W. Socher, J. Voitländer: NMR study of the magnetic properties and electronic structure of amorphous Ni-B-P alloys. *Hyperf. Int.* **51**, 1019-1023 (1989)
- I. Bakonyi, E. Tóth-Kádár, J. Tóth, K. Tompa, A. Lovas, É. Zsoldos: Thermopower study of local hydrogen content in rapidly quenched Zr-Ni ribbons. *Z. Phys. Chem. N.F.* **163**, 367-372 (1989)
- I. Bakonyi, J. Kollár: Temperature-dependence of the Pauli susceptibility in liquid Ni-B-P alloys. *Physica B* **161**, 36-38 (1989)
- T. Csiba, G. Kriza, A. Jánossy: Propagation of charge-density-wave voltage noise along a blue bronze, Rb_{0.3}MoO₃ crystal. *Europhys. Lett.* **9**, 163-168 (1989)
- T. Csiba, G. Kriza, A. Jánossy: Charge-density-wave noise propagation in the blue bronzes Rb_{0.3}MoO₃ and K_{0.3}MoO₃. *Phys. Rev. B* **40**, 10088-10099 (1989)
- Á. Cziráki, B. Fogarassy, K. Tompa, I. Bakonyi, A. Lovas, H.E. Schone: Effect of hydrogen on the microstructure of the amorphous Ni-Zr-P system. *Z. Phys. Chem. N.F.* **163**, 355-360 (1989)

- J. Fink-Finowicki, G. Konczos, J. Krzywinski, A. Siemko, T. Tarnóczy, Z. Vértesy: Stress dependent permeability after-effect in metallic glasses with induced anisotropy. *Acta Phys. Polonica* **A76**, 163-165 (1989)
- M. Füstöss-Wegner, L. Pogány, M. Koós, L. Tóth: Microninhomogeneities characterized by photocurrent measurements and the SEM-EBIS technique in α -Si:H layers. *Mater. Sci. Forum* **38-41**, 1487-1492 (1989)
- L. Guzzi, G. Kisfaludy, Z. Schay, A. Lovas: Surface structure and catalytic activity of rapidly quenched amorphous iron based alloys. III. Effect of surface composition. *Appl. Surface Sci.* **35**, 469-480 (1989)
- M.I. Guseva, G.V. Gordeeva, S.M. Ivanov, G. Mezey, F. Pászti, A. Manuaba, E. Kádár: Sputtering of an Ni-P alloy in the amorphous and crystalline states. *Soviet Atomic Energy* **67**, 660-662 (1989)
- C. Hargitai: Considerations on cold nuclear fusion in palladium. *J. Radioanal. Nucl. Chem. Letters* **137**, 17-22 (1989)
- M. Hrabcak, M. Mihalik, J. Kovac, A. Lovas: Saturation magnetostriction and Curie temperature of neutron-irradiated $\text{Fe}_{75}\text{Cr}_{10}\text{B}_{15}$ and $\text{Fe}_{77}\text{Cr}_8\text{B}_{15}$ amorphous alloys. *phys. stat. sol. (a)* **115**, K83-K85 (1989)
- B. Keszei, Gy. Szabó, J. Vandlik, L. Pogány, G. Oszlányi: Growth of BCSCO single crystals by a slow-cooling flux method. *J. Less-Common Met.* **155**, 229-234 (1989)
- L.B. Kiss, Gy. Trefán, K. Tompa, I. Hevesi, G. Gévyay, A. Lovas: 1/f noise in glassy metal ribbons. *Physica Scripta* **39**, 771-772 (1989)
- S. Kiss, L. Malkinski, G. Posgay, L. Pogány: Influence of tensile stresses on magnetic field dependences of internal friction and of shear modulus of the Fe-Si-B metallic glass. *Acta Phys. Polonica*, **A76**, 157-161 (1989)
- G. Kovács, I. Kirschner, I. Halász, R. Laiho, T. Porjesz, K. Tompa, T. Trager, T. Kármán, G. Zsolt: Structure and superconductivity of variously prepared Tl-Ca-Ba-Cu-O compounds. *J. Less-Common Metals* **150**, 229-240 (1989)
- G. Kriza, G. Mihály, G. Grüner: Frequency-dependent thermoelectric power in $\text{K}_{0.3}\text{MoO}_3$. *Phys. Rev. Lett.* **62**, 2032-2035 (1989)
- E. Kuzmann, I. Czakó-Nagy, A. Vértes. C.U. Chisholm, A. Watson, M.K. El-Sharif, J. Kerti, G. Konczos: Mössbauer study of electrodeposited Fe-Cr-Ni alloys. *Hyperf. Int.* **45**, 397-402 (1989)
- M. Mihalik, J. Kovác, A. Zentko, A. Lovas: Some magnetic properties of neutron irradiated $\text{Fe}_{85-x}\text{Cr}_x\text{B}_{15}$ metallic glasses. *phys. stat. sol. (a)* **114**, 679-684 (1989)
- S. Németh, C. Kopasz, L. Szentmiklósi, C. Hargitai: Approach to saturation as a well evaluable structure magnetization process. *Physica Scripta* **39**, 271-274 (1989)
- G. Pető, I. Bakonyi, K. Tompa, É. Zsoldos, L. Guzzi: Electronic density of states of amorphous Zr-Ni-P and Zr-Ni-P-H alloys studied by UPS. *Solid State Commun.* **70**, 781-784 (1989)
- R. Pirlot, M. Cyamukungu, R. Demeure, L. Grenacs, J. Lehmann, K. Tompa, X. Urbain: 12B nuclear spin lattice relaxation time and electron-electron interaction in noble metals. *Physics Letters* **A136**, 494-496 (1989).

- L. Pogány, G. Konczos: Magnetic domain structure of metallic glasses. *Physica Scripta* **39**, 275-278 (1989)
- L. Potocky, J. Kovác, L. Novák, A. Lovas, L. Pogány, É. Kisdi-Koszó: Magnetic anisotropy of Fe-B metallic glasses introduced by casting in magnetic field. *Physica Scripta* **40**, 536-539 (1989)
- B. Sas, A. Lovas, G.H. Panova, A.A. Sikov: Thermoelectric power and anisotropic magneto-resistance of Fe-TM-B amorphous alloys. *J. Magn. Magn. Mater.* **79**, 8-10 (1989)
- T. Tarnóczy, A. Siemko: Anomalous crossover effect. *phys. stat. sol. (a)* **114**, K83-K85 (1989)
- K. Tompa, R. Pirlot, L. Grenacs, J. Lehmann: Hyperfine fields at implanted ^{12}B in f.c.c. metals. *phys. stat. sol. (b)* **153**, 721-726 (1989).
- K. Tompa, H.E. Schone, A. Werner, I. Pócsik, P. Bánki, I. Bakonyi, G. Konczos, A. Lovas: Proton spin relaxations and diffusion in a $(\text{Ni}_{0.5}\text{Zr}_{0.5})_{0.993}\text{P}_{0.007}\text{H}_{0.83}$ metallic glass. *Z. Phys. Chem. N.F.* **163**, 437-442 (1989)
- J. Tóth, I. Bakonyi, K. Tompa, A. Lovas: Electrical transport studies of glassy Zr-Ni hydrides. *J. Less-Comm. Met.* **155**, 185-191 (1989)
- M. Trhlík, B. Sedlák, S. Kapusta, P. Cizek, M. Finger, J. Konicek, É. Kisdi-Koszó, A. Lovas, M. Vobecky, J. Kovác: Nuclear spin-lattice relaxation of ^{192}Ir in ferromagnetic amorphous alloy Fe-B studied by nuclear orientation. *Hyperfine Interactions* **50**, 793-797 (1989)
- G. Vértesy, A. Lovas, J. Szöllősy, Z. Vértesy: Wide temperature range position sensor using amorphous ribbon. *Physica Scripta* **39**, 663-665 (1989)

1990

- M.A. Aysawi, A. Szász, J. Kojnok, L. Kertész, A. Lovas: On the metastable states of amorphous Fe-B alloys. *Periodica Polytechnica Chimica (Budapest)* **34**, 149-162 (1990)
- I. Bakonyi, H. Ebert: On the magnetic susceptibility contributions of Zr metal. *J. Magn. Magn. Mater.* **89**, 350-354 (1990)
- Á. Cziráki, B. Fogarassy, I. Nagy, A. Lovas, E. Tóth-Kádár, M. Hossó, I. Bakonyi: Hydrogen-induced phase-separation in the amorphous Ni-Zr system. *J. Magn. Magn. Mater.* **83**, 360-362 (1990)
- M. Fried, L. Pogány, A. Manuaba, F. Pászti, C. Hajdu: Experimental verification of the stress model for the wrinkling of ion-implanted layers. *Phys. Rev. B* **41**, 3923-3927 (1990)
- I. Furó, I. Bakonyi, K. Tompa, É. Zsoldos, I. Heinmaa, M. Alla, E. Lippmaa: ^{31}P NMR Knight shift and linewidth in Ni_3P and Cu_3P : a magic-angle spinning study. *J. Phys.: Cond. Matter* **2**, 4217-4225 (1990)
- T. Kemény, L. Gránásy, A. Lovas, I. Vincze: Local structure of amorphous (Ni,Fe)-Zr alloys. *J. Non-Cryst. Sol.* **117-118**, 168-171 (1990)
- É. Kisdi-Koszó, L. Potocky, M. Hrabčák, L. Novák, A. Lovas: Rapid annealing of metallic glasses under tension. *J. Magn. Magn. Mater.* **92**, 181-184 (1990)
- M. Kocsis, L. Nyikos, I. Szentpétery, D. Horváth, J. Kecskeméti, A. Lovas, T. Pajkossy, L. Pócs: Search for neutrons from cold nuclear fusion. *J. Radioanal. Nucl. Chem. Lett.* **145**, 327-337 (1990)

- M. Konc, G. Konczos, P. Marko, A. Sólyom, A. Spisák: Spontaneous Hall effect and texture of microcrystalline Fe-Si-Sb alloys. *acta physica slovacca* **40**, 218-222 (1990)
- G. Kriza, A. Jánossy, L. Forró: The thermoelectric Onsager coefficients of $\text{Rb}_{0.3}\text{MoO}_3$ in the depinned charge-density-wave state. *Phys. Rev. B* **41**, 5451-5454 (1990)
- A. Lovas, É. Kisdi-Koszó, G. Konczos, L. Potocky, G. Vértesy: Casting of ferromagnetic amorphous ribbons for electronic and electrotechnical applications. *Phil. Mag.* **B61**, 549-565 (1990)
- A. Lovas, L. Potocky, É. Zsoldos, Á. Cziráki, É. Kisdi-Koszó, J. Kovác, L. Novák: Correlation between clustering and some of the magnetic properties in Fe-based metallic glasses. *Anales de Fisica, Serie B (Madrid, Spain)* **86**, Número Especial 1, 19-22 (1990)
- S. Németh, C. Hargitai, C. Kopasz, L. Szentmiklósi, B. Albert: Further investigations on indirect magnetostriction measurements. *Anales de Fisica, Serie B (Madrid, Spain)* **86**, 114-116 (1990)
- G. Pető, T. Lohner, L. Pogány, T. Andersson: Thickness dependent migration of Au films. *Vacuum* **41**, 1128-1131 (1990)
- R. Pirlot, M. Cyamukungu, L. Grenacs, J. Lehmann, K. Tompa: Relaxation time measurements and hyperfine fields at ^{12}B in transition metals. *phys. stat. sol. (b)* **158**, K197-K199 (1990)
- L. Potocky, É. Kisdi-Koszó, I. Nagy, L. Novák, A. Lovas, J. Takács: Magnetic properties of Fe-Ni-B-Si metallic glasses quenched in transversal magnetic field. *Anales de Fisica, Serie B (Madrid, Spain)* **86**, 193-195 (1990)
- G. Serfőző, L.F. Kiss, É. Zsoldos, J. Tóth, Sz. Sándor, L. Papadimitriu, O. Valassiadis, L. Dózsa, G. Hilscher, M. Forsthuber: Some electrical and magnetic properties of YBaCuO superconductors doped with cadmium. *Mater. Sci. Forum* **62-64**, 177-178 (1990)
- A. Sólyom, O. Schneeweiss, A. Zentko, P. Marko, I. Skorvanek, A. Lovas: Magnetic and structural properties of rapidly quenched Fe-Si and Fe-Si-Sb alloys. *Hyperf. Int.* **59**, 387-390 (1990)
- A. Sólyom, A. Zentko, T. Tima, G. Konczos, A. Lovas: Influence of tensile stress on magnetic properties of rapidly quenched FeSi alloys. *Anales de Fisica, Serie B (Madrid, Spain)* **86**, 255-257 (1990)
- T. Tarnóczy, É. Zsoldos, Z. Hegedüs: Influence of composition on the relaxation kinetics in metallic glasses containing Cr. *Key Engineering Materials* **40-41**, 185-190 (1990)
- K. Tompa, L. Grenács, J. Lehmann, R. Pirlot: All-or-nothing model and the low field ^{12}B polarization in Rh metal. *Hyperfine Interactions.* **60**, 877-880 (1990)
- K. Tompa, A. Werner, I. Bakonyi, P. Bánki, I. Pócsik, H.E. Schone: Proton $T_{1\rho}$ and diffusion in $(\text{Ni}_{0.5}\text{Zr}_{0.5})_{0.95}\text{P}_{0.05}\text{H}_{0.54}$ and $(\text{Ni}_{0.5}\text{Zr}_{0.5})_{0.93}\text{P}_{0.07}\text{H}_{0.58}$ amorphous alloys. *J. Less-Comm. Met.* **159**, 199-203 (1990)
- J. Tóth, G.Kh. Panova, V.D. Gorobchenko, A.V. Irodova, O.A. Lavrova, A.A. Shikov: Thermopower and resistivity of Bi-Pb-Sr-Ca-Cu-O high T_c superconductors with various numbers of CuO_2 layers. *Superconductivity: Physics, Chemistry, Technology (USA)* **3**, No. 8, Part 2, 5229-5237 (1990) [Translation of: *Sverkhprovodimost': Fizika, Khimiya, Tekhnika (USSR)* 3, No. 8, Pt. 2, 1826-1835 (1990)]

E. Tóth-Kádár, I. Bakonyi, J. Lóránth, A. Sólyom, L. Pogány, T. Dankházi, J. Tóth, G. Konczos, P. Fodor, H.H. Liebermann: Determination of the phosphorus content in Ni-P alloys. *Plat. Surf. Finish.* **77**, 70-75 (Sep. 1990)

G. Vértesy, J. Szöllősy, A. Lovas: Magnetoinductive position sensor. *IEEE Trans. Magn.* **26**, 2026-2028 (1990)

1991

I. Bakonyi, I. Nagy, E. Tóth-Kádár, M. Hossó, K. Tompa, G. Konczos, A. Lovas: Comparison of the hydrogen absorption process in as-quenched and relaxed $Zr_{50}Ni_{50}$ glassy ribbons. *J. Less-Comm. Met.* **172-174**, 899-907 (1991)

K. Basa: Power loss measurements in amorphous soft magnetic cores *J. Magn. Mater.* **101**, 296-298 (1991)

Á. Cziráki, Z. Kasztovszky, I. Gerőcs, B. Fogarassy, I. Groma, N.O. Chinh, A. Lovas: Effect of cobalt on the crystallization temperature of $Ni_{50}Zr_{50}$ amorphous alloys. *Mater. Sci. Engr.* **A133**: 475-478 (1991)

A. Dworkin, C. Fabre, D. Schütz, G. Kriza, R. Ceolin, H. Szwarc, P. Bernier, D. Jérôme, S. Leach, A. Rassat, J.P. Hare, T. J. Dennis, H.W. Kroto, R. Taylor, D.R.M. Walton: Caractérisation thermodynamique de la cristallinité du footballène C_{60} . *C.R. Acad. Sci. (Paris)*, Ser. II. **313**, 1017-1021 (1991)

A. Jánossy, T. Csiba, G. Kriza: Charge-density-wave noise propagation in the blue bronzes $A_{0.3}MoO_3$, $A = K, Rb$. *Synth. Metals* **43**, 3821-3826 (1991)

S. Kiss, G. Posgay, F.J. Kedves, I.Z. Harangozó, K. Tompa: The effect of hydrogen on the internal friction and modulus spectra of some NiZr type amorphous alloys. *Acta Universitatis Debreceniensis de Ludovico Kossuth Nominatae, Series Physica et Chimica Debrecen*, 53-60 (1991)

G. Kriza, J.-C. Ameline, D. Jérôme, A. Dworkin, H. Szwarc, D. Fabre, D. Schütz, A. Rassat, P. Bernier: Pressure dependence of the structural phase transition in C_{60} . *J. Phys. (France) I* **1**, 1361-1364 (1991)

G. Kriza, Y. Kim, Beleznyay, G. Mihály: Dielectric excitations of the pinned charge- and spin-density wave. *Solid State Commun.* **79**, 811-813 (1991)

G. Kriza, G. Quirion, O. Traetteberg, D. Jérôme: Scaling between normal and spin-density-wave conductivity in $(TMTSF)_2AsF_6$. *Europhys. Lett.* **16**, 585-590 (1991)

G. Kriza, G. Quirion, O. Traetteberg, W. Kang, D. Jérôme: Shapiro interference in a spin-density-wave system. *Phys. Rev. Lett.* **66**, 1922-1925 (1991)

A. Lovas, É. Kisdi-Koszó, É. Zsoldos, L. Potocky, L. Novák, J. Kovác, M. Hrabčák: Clustering in TM-M-B metallic glasses. *Mater. Sci. Engr.* **A133**, 248-251 (1991)

I. Nagy, I. Bakonyi, A. Lovas, E. Tóth-Kádár, K. Tompa, M. Hossó, Á. Cziráki, B. Fogarassy: Hydrogen sorption and hydrogen-induced phase separation in a nearly equiatomic Ni-Zr amorphous alloy. *J. Less-Comm. Met.* **167**, 283-303 (1991)

G.Kh. Panova, M.N. Khlopkin, N.A. Chernoplekov, A.V. Suetin, B.I. Savel'ev, A.I. Akimov, L.P. Poluchankina, A.P. Chernyakova, J. Tóth, T. Kemény: Thermal, magnetic and kinetic properties of the superconducting compound $Tl_2Ba_2Ca_2Cu_3O_x$. *Superconductivity: Physics*,

Chemistry, Technology (USA) **4**(1), 60-68 (1991) [Translation of: *Sverkhprovodimost': Fizika, Khimiya, Tekhnika (USSR)* **4**(1), 70-80 (1991)]

I. Pócsik, K. Tompa, P. Rácz: Progressive saturation relaxation spectroscopy Investigations on lens nucleus and cortex. *Lens and Eye Toxicity Research* **8**, 163- (1991)

S.V. Popova, G.G. Skrotskaya, V.I. Larchev, G. Zentai, L. Pogány, V.N. Denisov, B.N. Mavrin: Structural peculiarities of disordered gallium antimonide produced by high-pressure rapid quenching from the liquid. *J. Non-Cryst. Sol.* **135**, 255-258 (1991)

K. Russew, L. Stojanova, A. Lovas, G. Konczos: Viscous flow, thermal expansion and phase separation of Fe₄₀Ni₄₀Si₆B₁₄ amorphous alloy. *Mater. Sci. Eng.* **A133**, 532-534 (1991)

A. Sólyom, A. Zentko, O. Schneeweiss, G. Konczos, I. Skorvánek, P. Marko: FeSi microcrystalline alloys prepared by single and double roller methods. *J. Magn. Magn. Mater.* **101**, 109-110 (1991)

T. Tarnóczy: Effect of antiferromagnetically coupled species on Curie temperature during relaxation of metallic glasses. *Mater. Sci. Eng.* **A133**, 200-203 (1991)

G. Vértesy, A. Lovas, J. Szöllösy, T. Tarnóczy: Contactless temperature switch using amorphous ribbons. *J. Magn. Magn. Mater.* **102**, 135-138 (1991)

E. Wachtel, I. Bakonyi, J. Bahle, N. Willmann, A. Lovas, A. Burgstaller, W. Socher, J. Voithländer, H.H. Liebermann: Magnetic susceptibility and DSC study of the crystallization of melt-quenched Ni-P amorphous alloys. *Mater. Sci. Eng. A* **133**, 196-199 (1991)

1992

I. Bakonyi: Comment on "Weak-localization and Coulomb-interaction effects in hydrogen-doped Zr-Ni and Zr-Cu metallic glasses". *Phys. Rev. B* **45**, 5066-5069 (1992)

A. Burgstaller, W. Socher, J. Voithländer, I. Bakonyi, E. Tóth-Kádár, A. Lovas, H. Ebert: Magnetic studies of amorphous Ni-P alloys. *J. Magn. Magn. Mater.* **109**, 117-123 (1992)

K. Ganesan, A. Narayanasamy, G. Konczos, T. Nagarajan: Mössbauer effect study of the as-quenched, annealed and crystallised Fe_{85-x}Cr_xB₁₅ metallic glass. *J. Magn. Magn. Mater.* **116**, 189-201 (1992)

É. Kisdi-Koszó, A. Lovas, J. Kovác, L.K. Varga, É. Zsoldos: Inhomogeneous atomic distribution and its effect on magnetic properties of diluted Fe-Tm-B metallic glasses. *J. Magn. Magn. Mater.* **112**, 39-40 (1992)

G. Kriza, Yong Kim, G. Mihály: Memory effects in the spin-density-wave state of (TMTSF)₂PF₆ (where TMTSF is tetramethyltetraselenafulvane). *Phys. Rev. B* **45**, 1466-1468 (1992)

S. Németh, C. Kopasz, C. Hargitai: Improvement in indirect magnetostriction measurements. *J. Magn. Magn. Mater.* **112**, 139-142 (1992)

I. Pócsik, L.K. Varga, A. Lovas, T. Tarnóczy: Influence of annealing on the ferro-paramagnetic transition in Fe-B metallic glass. *J. Magn. Magn. Mater.* **112**, 347-348 (1992)

L. Pogány, K. Ramstock, A. Hubert: Quantitative magnetic contrast (Part I. Experiment). *Scanning* **14**, Suppl. II. 24-25 (1992); L. Pogány, Z. Fülöp, A. Hubert: Quantitative magnetic contrast (Part II. Theory). *Scanning* **14**, Suppl. II. 25-26 (1992)

- L. Pogány, K. Ramstock, A. Hubert: Quantitative magnetic contrast (Part I. Experiment). *Scanning* **14**, 263-268 (1992)
- K. Russew, F. Sommer, P. Duhaj, I. Bakonyi: Viscous flow behaviour of $\text{Ni}_x\text{Zr}_{100-x}$ metallic glasses from $\text{Ni}_{30}\text{Zr}_{70}$ to $\text{Ni}_{64}\text{Zr}_{36}$. *J. Mater. Sci.* **27**, 3565-3569 (1992)
- E. Sváb, G. Mészáros, J. Takács, S.N. Ishmaev, S.L. Isakov, I.P. Sadikov: Partial correlations in Ni-Nb amorphous alloys. *J. Non-Cryst. Sol.* **144**, 99-106 (1992)
- O. Traetteberg, G. Kriza, G. Mihály: Nonlinear conduction in the spin-density-wave ground state. *Phys. Rev. B* **45**, 8795-8798 (1992)
- L.K. Varga, É. Kisdi-Koszó, A. Lovas: T_C measurement with high heating rate (100 K/s) on binary Fe-B glassy alloys. *J. Magn. Magn. Mater.* **112**, 328-330 (1992)
- B. Verő, A. Fauszt, J. Takács, G. Konczos, A. Lovas: Application of rapid solidification for production of dental amalgams. *Mater. Sci. Technol.* **8**, 645-648 (1992)
- G. Vértesy, J. Szöllősy, L.K. Varga, A. Lovas: High sensitivity magnetic field sensor using amorphous alloys. *Electronic Horizon* **53**, 102-103 (1992)

1993

- I. Bakonyi, H. Ebert, A.I. Liechtenstein: Electronic structure and magnetic susceptibility of the different structural modifications of Ti, Zr, and Hf metals. *Phys. Rev. B* **48**, 7841-7849 (1993)
- I. Bakonyi, A. Burgstaller, W. Socher, J. Voithländer, E. Tóth-Kádár, A. Lovas, H. Ebert, E. Wachtel, N. Willmann, H.H. Liebermann: Magnetic properties of electrodeposited, melt-quenched, and liquid Ni-P alloys. *Phys. Rev. B* **47**, 14961-14976 (1993)
- I. Bakonyi, E. Tóth-Kádár, T. Tarnóczy, L.K. Varga, Á. Cziráki, L. Gerőcs, B. Fogarassy: Structure and properties of fine-grained electrodeposited nickel. *Nanostruct. Mater.* **3**, 155-161 (1993)
- L. Balicas, N. Biskup, G. Kriza: Nonlinear Hall-effect in the field-induced spin-density-wave phases of $(\text{TMTSF})_2\text{PF}_6$. *J. Phys. (France) IV* **3**, C2/319-322 (1993)
- E. Barthel, G. Kriza, G. Quirion, P. Wzietek, D. Jérôme, J.B. Christensen, M. Jørgensen, K. Bechgaard: Conduction noise and motional narrowing of the nuclear magnetic resonance line in sliding spin-density waves. *Phys. Rev. Lett.* **71**, 2825-2828 (1993)
- E. Barthel, G. Kriza, G. Quirion, P. Wzietek, D. Jérôme, J.B. Christensen, M. Jørgensen, and K. Bechgaard: ^{13}C NMR investigation of the linear and nonlinear dynamics of the spin-density wave of $(\text{TMTSF})_2\text{PF}_6$. *J. Phys. (France) IV* **3**, C2/231-234 (1993)
- Á. Cziráki, B. Fogarassy, K. Tompa, R. Nauta: On the formation of a phase with tenfold symmetry in amorphous Ni-Zr alloys. *Phase Transitions* **44**, 131-136 (1993)
- J. Degro, P. Vojtanik, M. Hrabcak, O.V. Nielsen, A. Lovas: Magnetic properties of $\text{Co}_{100-x}\text{B}_x$ amorphous alloys. *phys. stat. sol. (a)* **136**, 537-543 (1993)
- C. Hargitai: On the Wolfarth's conjecture on the magnetism of pure amorphous iron. *Key Eng. Mater.* **81-83**, 419-424 (1993)
- M.N. Khlopin, J. Tóth, G.Kh. Panova, R.O. Zaitsev, N.A. Babushkina, J.A. Arnold, S.E. Voinova: Thermoelectric power of $\text{Pr}_{2-y}\text{Ce}_y\text{CuO}_{4-\delta}$ superconductors with various content of Ce. *Solid State Commun.* **87**, 213-217 (1993)
- É. Kisdi-Koszó, A. Lovas: Clustering in amorphous alloys and its connection with the nanocrystalline state. *Key Eng. Mater.* **81-83**, 209-214 (1993)

- S. Kiss, Z. Cseresnyés, G. Pozsgay, K. Tompa, A. Lovas: Effect of H and Cu on the damping and modulus of amorphous NiZr alloys. *Mater. Sci. Forum* **119-121**, 505-510 (1993)
- G. Kriza, O. Traetteberg: Interaction of spin-density waves with defects and quasiparticles. *J. Phys. (France) IV* **3**, C2/15-20 (1993)
- G. Lasanda, P. Bánki, K. Tompa: ^1H NMR spectra and H-site occupancy in $\text{Zr}_{0.5}\text{Cu}_y\text{Ni}_{0.5-y}\text{H}_1$ metallic glasses. *Solid State Commun.* **87**, 665-668 (1993)
- A. Lovas, É. Kisdi-Koszó, L.K. Varga, J. Kovác: Structural memory effects in rapidly quenched iron-boron-based glassy alloys. *Key Eng. Mater.* **81-83**, 607-612 (1993)
- R. Pirlot, M. Cyamukungu, L. Grenacs, J. Lehmann, R. Coussement, G.S. S'heeren, K. Tompa: Hyperfine coupling of ^{12}B in noble metals and Al; enhancement of the conduction-electron spin susceptibility by e-e exchange. *Hyperf. Inter.* **80**, 989-993 (1993)
- I. Pócsik, M. Kenyeres, E. Pásztor, K. Tompa: Variability of magnetic resonance parameters in pituitary adenomas at low temperature. *Physiol. Chem. Phys. & Med. NMR* **25**, 137-144 (1993)
- B. Török, Á. Molnár, K. Borszékly, E. Tóth-Kádár, I. Bakonyi: Selective catalytic hydrogenation of bifunctional compounds over amorphous nickel alloys. . [In: M. Guisnet, J. Barbier, J. Barrault, C. Bouchoule, D. Duprez, G. Pérot, C. Montassier (eds.): *Heterogeneous Catalysis and Fine Chemicals III*, Proc. 3rd Int. Symp., Poitiers (1993).] *Stud. Surf. Sci. Catal.* **78**, 179-186 (1993)
- J. Tóth, I. Bakonyi, G. Hilscher: Thermoelectric power of melt-quenched Zr-Ni and Hf-Ni alloys around 90 at.% Ni. *Europhys. Lett.* **24**, 379-384 (1993)
- O. Traetteberg, G. Kriza, C. Lenoir, Y.-S. Huang, P. Batail, D. Jérôme: Dielectric constant and dielectric relaxation of the pinned spin-density wave in the alloys $(\text{TMTSF})_2(\text{AsF}_6)_{1-x}(\text{SbF}_6)_x$. *Synth. Met.* **56**, 2785-2790 (1993)
- O. Traetteberg, L. Balicas, G. Kriza: Linear and nonlinear Hall-effect in the spin-density wave phase of $(\text{TMTSF})_2\text{AsF}_6$. *J. Phys. (France) IV* **3**, C2/61-64 (1993)
- L.K. Varga, É. Zsoldos, A. Lovas, É. Kisdi-Koszó: High heating rate thermomagnetic curves of amorphous ribbons. *Key Eng. Mater.* **81-83**, 487-492 (1993)
- Y. Yoshinari, H. Alloul, G. Kriza, K. Holczer: Molecular dynamics in K_3C_{60} : A ^{13}C NMR study. *Phys. Rev. Lett.* **71**, 2413-2416 (1993)

1994

- I. Bakonyi, E. Tóth-Kádár, I. Nagy, J. Tóth, K. Tompa, A. Lovas, Á. Cziráki, B. Fogarassy, G. Wiesinger: Hydrogen absorption and hydrogen-induced phase-separation in amorphous $\text{Zr}_{50}\text{Ni}_{50-x}\text{Cu}_x$ alloys. *Z. Phys. Chem.* **183**, 87-91 (1994)
- Á. Cziráki, B. Fogarassy, G. Van Tendeloo, P. Lamparter, M. Tegze, I. Bakonyi: Electron microscopy and X-ray diffraction studies of rapidly quenched Zr-Ni and Hf-Ni ribbons with about 90 at.% Ni. *J. All. Comp.* **210**, 135-141 (1994)
- Á. Cziráki, B. Fogarassy, I. Geröcs, E. Tóth-Kádár, I. Bakonyi: Microstructure and growth of electrodeposited nanocrystalline nickel foils. *J. Mater. Sci.* **29**, 4771-4777 (1994)
- Á. Cziráki, Zs. Tonkovics, L. Geröcs, B. Fogarassy, I. Groma, E. Tóth-Kádár, T. Tarnóczy, I. Bakonyi: Thermal stability of nanocrystalline nickel electrodeposits: differential scanning

calorimetry, transmission electron microscopy and magnetic studies. *Mater. Sci. Eng.*, **A179/A180**, 531-535 (1994)

M. Hrabčák, A. Lovas, J. Kovác, L. Novák: Correlation between saturation magnetostriction and saturation polarisation in Fe-Pt-B amorphous alloys. *IEEE Trans. Magn.* **30**, 516-517 (1994)

É. Kisdi-Koszó, É. Zsoldos, G. Radnóczy, L.K. Varga, A. Lovas, J. Kovác: Relaxation, cluster formation or precrystallization in amorphous alloys. *J. Magn. Magn. Mater.* **133**, 276-279 (1994)

L.F. Kiss, A. Böhönyei, A. Lovas: Determination of reversible Curie point relaxation spectra in Fe-B metallic glasses. *J. Magn. Magn. Mater.* **133**, 334-337 (1994)

P. Kollár, É. Kisdi-Koszó, M. Hrabčák, F. Gamcik, A. Lovas, S. Sladik: Influence of uniaxial compressive stresses on magnetic properties across an Fe_{79.1}Cr_{4.3}B_{16.6} amorphous ferromagnetic ribbon. *J. Magn. Magn. Mater.* **138**, 105-108 (1994)

G. Láng, L. Péter: Polarization resistance of dissolving metals. II. *Acta Chim. Hung. - Models. Chem.* **131**, 137-153 (1994)

A. Lovas, L.K. Varga, É. Kisdi-Koszó, J. Kovác: Inhomogenities and basic magnetic properties in Fe-B glassy alloys. *IEEE Trans. Magn.* **30**, 467-469 (1994)

S. Mészáros, K. Vad, G. Halász, N. Hegman, B. Keszei, B. Sas: Time and spatial correlations in voltages generated by transport current in HTSC materials. *Physica C* **235-240**, 3121-3122 (1994)

K. Russev, L. Stojanova, A. Lovas: Effect of processing conditions on the ribbon geometry and viscous flow behaviour of Fe₄₀Ni₄₀Si₆B₁₄ amorphous alloy. *Int. J. Rapid Sol.* **8**, 147-159 (1994)

G. Serfőző, L.F. Kiss, É. Zsoldos, J. Tóth, Sz. Sándor, L. Papadimitriou, L. Dózsa: On the magnetic properties of cadmium doped Y-Ba-Cu-O high-temperature superconductors. *J. Mater. Sci. Letters* **13**, 693-695 (1994)

A. Sólyom, A. Zentko, V. Fric, P. Marko, G. Konczos: Effect of antimony on magnetic properties in non-oriented 2.4 wt.% Si electrical sheets. *IEEE Trans. Magn.* **30**, 931-933 (1994)

K. Tompa, I. Bakonyi, P. Bánki, G. Lasanda, A. Lovas: PMR spectrum, proton spin relaxation and diffusion in Zr_{0.5}(Cu_xNi_{1-x})_{0.5}H₁ metallic glasses. *Z. Phys. Chem.* **183**, 93-98 (1994)

O. Traetteberg, G. Kriza, C. Lenoir, Y.-S. Huang, P. Batail, D. Jérôme: Damping of the spin-density wave phase mode by defect scattering. *Phys. Rev. B* **49**, 409-412 (1994)

L.K. Varga, É. Bakos, É. Kisdi-Koszó, É. Zsoldos, L.F. Kiss: Time and temperature dependence of nanocrystalline structure formation in a Finemet-type amorphous alloy. *J. Magn. Magn. Mater.* **133**, 280-282 (1994)

L.K. Varga, É. Kisdi-Koszó, É. Zsoldos, É. Bakos: Optimisation of the heat treatment for the nanocrystalline Fe-Cu-Nb-Si-B alloys. *IEEE Trans. Magn.* **30**, 552-554 (1994)

L.K. Varga, A. Lovas, I. Bakonyi, E. Tóth-Kádár, K. Tompa: Time evolution of H-absorption in Ni-Zr metallic glasses. *Z. Phys. Chem.* **183**, 73-77 (1994)

L.K. Varga, É. Bakos, L.F. Kiss, I. Bakonyi: The kinetics of amorphous-nanocrystalline transformation for FINEMET alloy. *Mater. Sci. Eng.* **A179/A180**, 567-571 (1994)

P. Vojtanik, D. Macko, A. Lovas: The Perminvar effect in binary amorphous CoB alloys. *IEEE Trans. Magn.* **30**, 476-479 (1994)

1995

I. Bakonyi: Electronic properties and atomic structure of (Ti,Zr,Hf)-(Ni,Cu) metallic glasses. *J. Non-Cryst. Sol.* **180**, 131-150 (1995)

I. Bakonyi, F. Mehner, M. Rapp, Á. Cziráki, H. Kronmüller and R. Kirchheim: Preparation, structure and physical properties of Fe-, Co- and Ni-rich melt-quenched ribbons containing Zr or Hf. Part I: Preparation details and structural characterization. *Z. Metallkde.* **86**, 619-625 (1995)

I. Bakonyi, E. Tóth-Kádár and R. Kirchheim: Preparation, structure and physical properties of Fe-, Co- and Ni-rich melt-quenched ribbons containing Zr or Hf. Part II: Electrical transport properties. *Z. Metallkde.* **86**, 784-793 (1995)

L. Balicas, G. Kriza, F.I.B. Williams: Sign reversal of the Quantum Hall Number in (TMTSF)₂PF₆. *Phys. Rev. Lett.* **75**, 2000-2003 (1995)

A. Böhönyey, L.F. Kiss, A. Lovas: Reversible relaxation spectra of (Fe-)Ni-P metallic glasses. *J. Non-Cryst. Sol.* **192&193**, 424-427 (1995)

M. Bokor, T. Marek, K. Süvegh, I. Konkoly-Thege, A. Vértes: A positron annihilation study of phase transitions in trans-stilbene single crystal. *J. Radioanal. Nucl. Chem., Letters* **200**, 265-275 (1995)

L. Borkó, H. Zhua, Z. Schay, I. Nagy, A. Lovas, L. Guzzi: Combustion of m-xylene over Pd catalysts derived from amorphous Pd₂Ni₅₀Nb₄₈ alloy. *Stud. Surf. Sci. Catal.* **96**, 297-303 (1995).

Á. Cziráki, I. Gerócs, E. Tóth-Kádár and I. Bakonyi: TEM and XRD study of the microstructure of nanocrystalline Ni and Cu prepared by severe plastic deformation and electrodeposition. *Nanostruct. Mater.* **6**, 547-550 (1995)

B.J. Klemme, S.E. Brown, P. Wzietek, G. Kriza, P. Batail, D. Jérôme, J.M. Fabre: Commensurate and incommensurate spin-density waves and a modified phase diagram of the Bechgaard salts. *Phys. Rev. Lett.* **75**, 2408-2411 (1995)

G. Lasanda, K. Tompa, C. Hargitai, P. Bánki, I. Bakonyi: Proton nuclear magnetic resonance and H-site occupancy in Zr_{0.5}Ni_{0.5-y}Cu_yH_x metallic glasses. *J. All. Comp.* **231**, 325-329 (1995)

A. Lovas, L.F. Kiss, F. Sommer: Hardness and thermal stability of Fe-Cr-metalloid glasses. *J. Non-Cryst. Solids* **192&193**, 608-611(1995)

K. Lu, Z.F. Dong, I. Bakonyi, Á. Cziráki: Thermal stability and grain growth of a melt-spun HfNi₅ nanophase alloy. *Acta Metall. Mater.* **43**, 2641-2647 (1995)

L. Péter, G. Láng: New model for the anodic dissolution of amorphous Ni₈₁P₁₉ alloys containing secondary phase. *Acta Chim. Hung. - Models. Chem.* **132**, 933-947 (1995)

G. Pető, I. Bakonyi, K. Tompa and L. Guzzi: Photoemission investigation of the electronic-structure changes in Zr-Ni-Cu metallic glasses upon hydrogenation. *Phys. Rev. B* **52**, 7151-7158 (1995)

K. Tompa, P. Bánki, G. Lasanda, L.K. Varga: Susceptibility and proton line shift of $Zr_{0.33}Ni_{0.67}H_x$ amorphous alloys. *J. All. Comp.* **231**, 330-333 (1995)

J. Tóth, K. Tompa, A. Lovas, P. Bánki: High temperature hydrogen diffusion in $Zr_{0.33}Ni_{0.67}H_x$ amorphous alloys. *J. All. Comp.* **231**, 334-336 (1995)

L.K. Varga, A. Lovas, K. Tompa, M. Latroche, A. Percheron-Guegan: Electrochemical pressure-composition isotherms for amorphous $Ni_{1-x}Zr_x$ alloys. *J. All. Comp.* **231**, 321-324 (1995)

1996

A. Audouard, J. Dural, M. Toulemonde, A. Lovas, G. Szenes, L. Thomé: Electronic slowing down-induced dimensional changes in amorphous $Fe_{85}B_{15}$. *Nucl. Instrum. Meth. B* **107**, 185-188 (1996)

A. Audouard, J. Dural, M. Toulemonde, A. Lovas, G. Szenes, L. Thomé: Growth phenomenon in amorphous solids irradiated with GeV heavy ions: Electronic-energy-loss dependence of the initial growth rate. *Phys. Rev.* **B54**, 15690-15694 (1996)

I. Bakonyi, E. Tóth-Kádár, T. Becsei, J. Tóth, T. Tarnóczi, Á. Cziráki, I. Geröcs, G. Nabiyouni, W. Schwarzacher: Giant magnetoresistance in self-supporting electrodeposited Ni-Cu/Cu multilayers. *J. Magn. Magn. Mater.* **156**, 347-349 (1996)

I. Bakonyi, E. Tóth-Kádár, L. Pogány, Á. Cziráki, I. Geröcs, K. Varga-Josepovits, B. Arnold and K. Wetzig: Preparation and characterization of DC-plated nanocrystalline nickel electrodeposits. *Surf. Coat. Technol.* **78**, 124-136 (1996)

M. Bokor, T. Marek, K. Süvegh, K. Tompa, A. Vértes, Zs. Nemes-Vetéssy, K. Burger: Positron annihilation and 1H NMR study of $[Zn(1-propyltetrazole)_6](BF_4)_2$ and $[Fe(methyltetrazole)_6](BF_4)_2$ complexes. *J. Radioanal. Nucl. Chem., Articles* **211**, 247-253 (1996)

M. Bokor, T. Marek, K. Tompa: Solid-state NMR of 1-propyltetrazole complexes of iron(II) and zinc(II). 1H spin-lattice relaxation time. *J. Magn. Res. A* **122**, 157-164 (1996)

L. Domokos, T. Katona, Á. Molnár, A. Lovas: Amorphous alloy catalysis 8. A new activation of an amorphous $Cu_{41}Zr_{59}$ alloy in the transformation of methyl alcohol to methyl formate. *Applied Catalysis A* **142**, 151-158 (1996)

G. Kaptay, P. Bárczy, F. Szigeti, A. Lovas, Z. Gácsi, L. Bolyán: Interface phenomena in processing of ceramic-reinforced amorphous metal composites. *J. Non-Cryst. Sol.* **205-207**, 742-747 (1996)

T. Martinek, Á. Molnár, T. Katona, M. Bartók, A. Lovas.: Amorphous alloy catalysis 9. Isomerization and hydrogenation of allyl alcohol over an amorphous copper-zirconium alloy. *J. Molecular Catalysis A* **112**, 85-92 (1996)

S. Németh, C. Hargitai, L. Szabó, L. Papp: Field and loss measurements in Epstein frame and sheet testers. *J. Magn. Magn. Mater.* **160**, 183-184 (1996)

L. Péter, G. Láng, L. Kiss, J. Szalma: Anodic dissolution of rapidly quenched amorphous $Ni_{81}P_{19}$ alloys of different initial melt temperature. *J. Appl. Electrochem.* **26**, 403-411 (1996)

I. Pócsik, M. Koós, S.H. Moustafa, Gy. Lasanda, P. Bánki, K. Tompa: Temperature dependence of 1H NMR relaxation in hydrogenated amorphous carbon sample series. *J. Non-Cryst. Sol.* **198-200**, 632-635 (1996)

- L. Pogány, C. Hargitai, I. Varga: Arrangement for the investigation of domain behaviour under low-frequency magnetic field. *J. Magn. Magn. Mater.* **160**, 189-190 (1996)
- A. Sólyom, P. Marko, G. Konczos: Rapidly quenched Fe-Si-Sb and Fe-Si-Co alloys. *acta phys. slov.* **46**, 125-128 (1996)
- K. Tompa, P. Bánki, C. Hargitai, G. Lasanda, L.K. Varga: PMR measurements on $(\text{Ni}_{1-x}\text{Cu}_x)_{0.5}\text{Zr}_{0.5}\text{-H}_y$ amorphous alloys. *J. All. Comp.* **232**, 84-89 (1996)
- J. Tóth, J. Garaguly, K. Tompa, A. Lovas, L.K. Varga: Hydrogen uptake monitored by resistance change in amorphous $\text{Ni}_{33}\text{Zr}_{67}$ alloy. *Int. J. Hydrogen Energy* **21**, 1039-1040 (1996)
- L.K. Varga, É. Kisdi-Koszó, V. Ström, K.V. Rao: Thermomagnetic study of nanophases in Fe-based soft magnetic materials. *J. Magn. Magn. Mater.* **159**, L321-L323 (1996)
- L.K. Varga, K. Tompa, A. Lovas, J.M. Joubert, A. Percheron-Guegan: Maximum hydrogen storage capacity of amorphous $\text{Ni}_{1-x}\text{Zr}_x$ alloys. *Int. J. Hydrogen Energy* **21**, 927-930 (1996)
- R. Varga, P. Vojtaník, M. Zatroch, A. Lovas, É. Kisdi-Koszó: Magnetic relaxation spectra of amorphous FeCrB alloy. *acta phys. slov.* **46**, 129-132 (1996)
- H. Yoshinari, H. Alloul, V. Brouet, G. Kriza, K. Holczer, L. Forró: Molecular motion and phase transition in K_3C_{60} and Rb_3C_{60} by nuclear magnetic resonance. *Phys. Rev. B* **54**, 6155-6166 (1996)
- J. Zbroszczyk, L.K. Varga, J. Olszewski, W. Ciurzynska, B. Wyslocki, S. Szymura, M. Hasiak, G. Haneczok: After-effect and microstructure of nanocrystalline alloys with different as-quenched disorder. *J. Magn. Magn. Mater.* **160**, 279-280 (1996)

1997

- I. Bakonyi, É. Kisdi-Koszó, Z. Altounian: Atomic volumes and magnetic properties of melt-quenched $(\text{Zr,Hf})_{10}(\text{Fe,Co,Ni})_{90}$ type metastable alloys. *Mater. Sci. Eng. A* **226-228**, 641-645 (1997)
- I. Bakonyi, V. Skumryev, R. Reisser, G. Hilscher, L.K. Varga, L.F. Kiss, H. Kronmüller, R. Kirchheim: Preparation, structure and physical properties of Fe-, Co- and Ni-rich melt-quenched ribbons containing Zr or Hf. Part III: Magnetic properties. *Z. Metallkde.* **88**, 117-124 (1997)
- M. Bokor, T. Marek, K. Süvegh, K. Tompa, A. Vértes: Fe^{2+} spin-crossover complexes: structure and positron annihilation. *Mater. Sci. Forum* **255-257**, 281-283 (1997)
- M. Bokor, T. Marek, K. Tompa, A. Vértes: Solid-state ^1H NMR in 1-propyl-1H-tetrazole complexes of iron(II) and zinc(II). *J. Mol. Struct.* **410-411**, 1-3 (1997)
- Brown, S.E.; Clark, W.G.; Kriza, G.: Relation between the dielectric function and nuclear spin-lattice relaxation by thermal phase fluctuations of a pinned spin-density wave. *Phys. Rev. B* **56**, 5080-5083 (1997)
- Clark, W.G.; Hanson, M.E.; Brown, S.E.; Alavi, B.; G. Kriza, P. Ségransan, C. Berthier: NMR as a probe of incommensurate spin density waves in organic metals. *Synth. Metals* **86**, 1941-1947 (1997)
- Á. Cziráki, I. Gerócs, B. Fogarassy, B. Arnold, M. Reibold, K. Wetzig, E. Tóth-Kádár, I. Bakonyi: Correlation of microstructure and giant magnetoresistance in electrodeposited Ni-Cu/Cu multilayers. *Z. Metallkd.* **88**, 781-789 (1997)

- Z.F. Dong, K. Lu, R. Lück, I. Bakonyi, Z.Q. Hu: Structural identification of a melt-spun Hf-Ni nanocrystalline alloy. *Nanostruct. Mater.* **9**, 363-366 (1997)
- R. Gaál, G. Fülöp, G. Kriza, G. Szeghy, G. Mihály: Phase diagram of the quasi-two-dimensional organic superconductor $(\text{ET})_2\text{Cu}[\text{N}(\text{CN})_2]\text{Br}$. *Physica B* **230-232**, 1002-1004 (1997)
- J. Garaguly, A. Lovas, Á. Cziráki, M. Reibold, J. Takács, K. Wetzig: Reversible and irreversible hydrogen absorption in $\text{Ni}_{67-x}\text{Cu}_x\text{Zr}_{33}$ glasses monitored by in situ resistivity measurements. *Mater. Sci. Eng. A* **226-228**, 938-942 (1997)
- J. Garaguly, A. Lovas, K. Tompa, J. Takács: Electrical resistivity change during hydrogen charging and discharging in $\text{Ni}_{67-x}\text{Cu}_x\text{Zr}_{33}$ glassy alloys. *J. All. Comp.* **253-254**, 114-117 (1997)
- C. Hargitai: Hydrogen in amorphous $\text{Ni}_{1-x}\text{Zr}_x$ alloys: short range order in a glassy lattice gas. *Mater. Sci. Eng. A* **226-228**, 301-306 (1997)
- S.N. Kane, N. Bhagat, A. Gupta, L.K. Varga: Effect of quenching rate on spin texture in amorphous $\text{Fe}_{73.5}\text{Cu}_1\text{Nb}_3\text{Si}_{13.5}\text{B}_9$ alloys. *J. Magn. Magn. Mater.* **167**, 241-244 (1997)
- G. Kaptay, A. Lovas, F. Szigeti, P. Bárczy, L. Bolyán. Correlation between the abrasive ability of ceramic reinforced amorphous metal matrix composites and the adhesion energy between the amorphous matrix and the ceramic particles. *Mater. Sci. Eng. A* **226-228**, 1083-1088 (1997)
- É. Kisdi-Koszó, L.F. Kiss, L.K. Varga, P. Kamasa: Curie temperature measurement of metastable alloys using high heating rate. *Mater. Sci. Eng. A* **226-228**, 689-692 (1997)
- K. Tompa, P. Bánki, C. Hargitai, G. Lasanda, A. Lovas, L.K. Varga: High temperature ^1H spin-spin relaxation in Zr-Ni-Cu-H amorphous alloys. *J. All. Comp.* **253-254**, 428-431 (1997)
- J. Tóth, I. Bakonyi, K. Tompa: Hydrogen-induced resistivity increase in amorphous and metastable crystalline (Fe,Co,Ni)-Zr ribbons. *J. All. Comp.* **253-254**, 98-100 (1997)
- E. Tóth-Kádár, I. Bakonyi, L. Pogány and Á. Cziráki: Microstructure and electrical transport properties of pulse-plated nanocrystalline nickel electrodeposits. *Surf. Coat. Technol.* **88**, 57-65 (1997)
- L.K. Varga, A. Lovas, L. Pogány, L.F. Kiss, J. Balogh, T. Kemény: The role of nucleating element additives in the crystallization and soft magnetic properties of Fe-Zr-B based amorphous alloys. *Mater. Sci. Eng. A* **226-228**, 740-744 (1997)
- A. Vértes, M. Bokor, K. Süvegh, T. Marek: Positron lifetime study in single crystals of iron(II) coordination compounds. *Mater. Sci. Forum* **255-257**, 445-447 (1997)
- P. Vojtaník, R. Varga, J. Kravcák, A. Lovas: Magnetic after-effect in amorphous $\text{Fe}_{85-x}\text{Cr}_x\text{B}_{15}$ alloys. *Mater. Sci. Eng. A* **226-228**, 736-739 (1997)

1998

- A. Böhönyey, G. Huhn, L.F. Kiss, A. Lovas, I. Gerócs: Effect of metalloid substitution on the reversible structural relaxation of Fe-Ni-B-(P,Si) metallic glasses. *J. Non-Cryst. Sol.* **232-234** 490-496 (1998)
- S.E. Brown, W.G. Clark, F. Zámorszky, B. J. Klemme, G. Kriza, B. Alavi, C. Merlic, P. Kuhns, W. Moulton: ^{13}C NMR measurements of the high-magnetic-field, low-temperature phases of $(\text{TMTTF})_2\text{PF}_6$. *Phys. Rev. Lett.* **80**, 5429-5432 (1998)

- Á. Cziráki, I. Gerócs, B. Fogarassy, G. Van Tendeloo, F. Sommer, I. Bakonyi: Study of the thermal decomposition of melt-quenched Ni-rich metastable bcc and amorphous Ni-Zr alloys. *Int. J. Non-Equilibr. Proc.* **10**, 265-282 (1998)
- Á. Cziráki, V. Pierron-Bohnes, C. Ulhaq-Bouillet, E. Tóth-Kádár, I. Bakonyi: A cross-sectional high-resolution transmission electron microscopy study of electrodeposited Ni-Cu/Cu multilayers. *Thin Solid Films* **318**, 239-242 (1998)
- I. Jacyna-Onyszkiewicz, P. Kamasa: Magnetic domain behaviour of Cu-ferrite doped with small quantities of Cd or Be ions. *J. Phys. IV (France)* **8**, Pr2/315-318 (1998)
- P. Kamasa, P. Myśliński, B. Varga, Z. Jurasz: Investigation of the oxidation process in rod and foil samples of iron by thermomagnetic measurements. *acta phys. slovacca* **48**, 857-860 (1998)
- T. Kemény, L.K. Varga, L.F. Kiss, J. Balogh, T. Pusztai, L. Tóth, I. Vincze: Magnetic properties and local structure of Fe-Zr-B-Cu nanocrystalline alloys. *Mater. Sci. Forum* **269-272**, 419-424 (1998)
- A. Lovas, L.F. Kiss, B. Varga, P. Kamasa, I. Balogh, I. Bakonyi: Survey of magnetic properties during and after amorphous-nanocrystalline transformation. *J. Phys. IV (France)* **8**, Pr2/291-298 (1998)
- Perruchot F, Mellor CJ, Gaal R, Sas B, Deville G, Etienne B, Gallagher BL, Henini M, Foxon CT, Harris JJ, Williams FIB: Hall effect of pinned and depinned 2-D electron and hole solids. *Physica B* **256-258**, 587-590 (1998)
- L. Pogány, D.T. Son, I. Varga, Z. Fülöp, C. Hargitai, I. Bakonyi: Measurement of internal magnetic domain structures by using backscattered electrons in a SEM. *J. Phys. IV (France)* **8**, Pr2/697-700 (1998)
- A. Sólyom, P. Marko, P. Petrovič, D. Matisová, G. Konczos: Rapidly quenched microcrystalline Fe-Si-Co alloys. *acta phys. slovacca* **48**, 711-714 (1998)
- F. Sommer, T. Tarnóczy, K. Russew, Á. Cziráki, L.F. Kiss, L.K. Varga, I. Bakonyi: Preparation, structure and physical Properties of Fe-, Co- and Ni-rich melt-quenched ribbons containing Zr or Hf. Part IV: Thermal stability: DSC, TEM and thermomagnetic studies. *Z. Metallkde.* **89**, 256-266 (1998)
- B. Varga, J. Takács, A. Lovas, P. Kamasa, F. Zhou, J. Vandlik: Comparison of the thermomagnetic and thermal effects during nanocrystallization of $\text{Fe}_{76.5-x}\text{Cu}_1\text{Nb}_x\text{Si}_{13.5}\text{B}_9$ glassy precursors. *J. Mater. Sci. Technol.* **14**, 323-326 (1998)
- L.K. Varga: Thermal behaviour of the initial permeability in soft magnetic nanocrystalline alloys. *J. Phys. IV (France)* **8**, Pr2/55-58 (1998)
- L.K. Varga D. Kaptás, T. Kemény: Soft magnetic nanocrystalline powders obtained by mechanical grinding. *Mater. Sci. Forum* **269-272**, 731-736 (1998)
- R. Varga, P. Vojtanik, A. Lovas: Time and thermal stability of magnetic properties of amorphous $\text{Fe}_{80}\text{TM}_3\text{B}_{17}$ alloys *J. Phys. IV (France)* **8**, Pr2/63-66 (1998)
- A. Vértes, M. Bokor, K. Süvegh, T. Marek, Zs. Nemes-Vetéssy, I. Labádi, K. Burger: The effect of spin-crossover on the parameters of the lifetime spectra of positrons and positronium in crystalline materials. *J. Phys. Chem. Sol.* **59**, 1235-1239 (1998)

J. Zbroszczyk, L.K. Varga, J. Olszewski, W.H. Ciurzynska: Magnetic properties and Mössbauer studies of $\text{Fe}_{86}\text{Zr}_7\text{B}_6\text{Cu}_1$ alloy. *J. Phys. IV (France)* **8**, Pr2/203-206 (1998)

1999

I. Bakonyi, Á. Cziráki: Nanocrystalline-forming ability of alloys by melt-quenching. *Nanostruct. Mater.* **11**, 9-16 (1999)

I. Bakonyi, E. Tóth-Kádár, J. Tóth, T. Becsei, T. Tarnóczy, P. Kamasa: Magnetic and electrical transport properties of electrodeposited Ni-Cu alloys and $\text{Ni}_{81}\text{Cu}_{19}/\text{Cu}$ multilayers. *J. Phys. Cond. Matter* **11**, 963-973 (1999)

M. Bokor, T. Marek, K. Süvegh, Z.S. Böcskei, J. Buschmann, A. Vértes: Ortho-positronium lifetime as a detector of spin-crossover. *Acta Phys. Polonica A* **95**, 469-473 (1999)

M. Bokor, T. Marek, K. Tompa, P. Gütllich, A. Vértes: Dynamics of BF_4^- anion reorientation in the spin-crossover compound $[\text{Fe}(1-n\text{-propyl-1H-tetrazole})_6](\text{BF}_4)_2$ and in its Zn^{II} analogue. *Eur. Phys. J. D* **7**, 567-571 (1999)

Á. Cziráki, I. Gerócs, L.K. Varga, A. Lovas, I. Bakonyi: Structural differences between the nanocrystalline $\text{Fe}_{86}\text{Zr}_7\text{B}_6\text{Cu}_1$ and $\text{Fe}_{73.5}\text{Si}_{13.5}\text{B}_9\text{Nb}_3\text{Cu}_1$ alloys. *Nanostruct. Mater.* **12**, 1109-1112 (1999)

Á. Cziráki, J.G. Zheng, A. Michel, Zs. Czigány, G. Nabiyouni, W. Schwarzacher, E. Tóth-Kádár, I. Bakonyi: Cross-sectional transmission electron microscopy study of the microstructure of electrodeposited Co-Ni-Cu/Cu multilayers. *Z. Metallkde.* **90**, 278-283 (1999)

Z.F. Dong, K. Lu and I. Bakonyi: Influence of pre-annealing on the thermal stability of a nanocrystalline Hf-Ni alloy. *Nanostruct. Mater.* **11**, 187-194 (1999)

S.M. Filipek, I. Bakonyi, A Szummer: Absorption of hydrogen in Zr based amorphous alloys under high pressures of gaseous hydrogen. *J. All. Comp.* **293-295**, 7-9 (1999)

D. García, G.V. Kurlyanskaya, M. Vázquez, F.I. Tóth, L.K. Varga: Influence of field annealing on the hysteretic behaviour of the giant magneto-impedance effect of Cu wires covered with $\text{Ni}_{80}\text{Fe}_{20}$ outer shells. *J. Magn. Magn. Mater.* **203**, 208-210 (1999)

P. Kamasa, P. Myśliński: Study of the thermal effects during microstructural changes of metastable alloys by means of temperature-modulated thermomagnetometry. *Thermochimica Acta* **337**, 51-54 (1999)

G. Kriza, G. Szeghy, I. Kézsmárki, G. Mihály: Field scaling and exponential temperature dependence of the magnetoresistance in $(\text{TMTSF})_2\text{PF}_6$. *Phys. Rev. B* **60**, R8434-R8437 (1999)

G. Kriza, G. Szeghy, I. Kézsmárki, G. Mihály: Power law field dependence of the 2D magnetoresistance in $(\text{TMTSF})_2\text{PF}_6$. *J. Phys. (France) IV* **9**, Pr10/235-238 (1999)

K. Lázár, H.K. Beyer, G. Onyestyák, B.J. Jönsson, L.K. Varga, S. Pronier: Iron nanoparticles in X and Y zeolites. *Nanostruct. Mater.* **12**, 155-158 (1999)

V.T. Lebedev, G.P. Gordeev, A.I. Sibilev, V.V. Klyubin, Gy. Török, L. Cser, Gy. Káli, L.K. Varga, A. Brulet: Neutron spin echo study of low- T_C ferrofluid. *J. Magn. Magn. Mater.* **201**, 80-83 (1999)

R. Lück, Z.F. Dong, M. Scheffer, I. Bakonyi, K. Lu: Microstructure identification of an interfacial phase in a melt-spun Hf-Ni nanocrystalline alloy. *Philos. Mag. B* **79**, 163-176 (1999)

P. Matus, P. Bánki, G. Kriza: ^{87}Rb NMR spin-lattice relaxation in the charge-density wave phase of $\text{Rb}_{0.3}\text{MoO}_3$. *J. Phys. (France) IV* **9**, Pr10/267-268 (1999)

P. Myśliński, P. Kamasa, J. Vandlik: Analysis of alloys using DTA and TD methods with simultaneous thermomagnetic studies. *J. Therm. Anal. Calorim.* **56**, 233-238 (1999)

L. Péter, J. Arai: Anodic dissolution of aluminium in organic electrolytes containing perfluoroalkylsulfonyle imides. *J. Appl. Electrochem.* **29**, 1053-1061 (1999)

Á. Révész, J. Lendvai, I. Bakonyi: Nanocrystallization studies of a melt-quenched $\text{Ni}_{81}\text{P}_{19}$ amorphous alloy. *Mater. Sci. Forum* **312-314**, 499-504 (1999)

Á. Révész, J. Lendvai, I. Bakonyi: Grain growth in a nanocrystalline $\text{Ni}_{81}\text{P}_{19}$ alloy. *Nanostruct. Mater.* **11**, 1351-1360 (1999)

Sas B, Kiss LF, Pethes I, Meszaros S, Vad K, Keszei B, Williams FIB, Portier F, Puha I: Metastability line in BSCCO phase diagram. *J. Phys. IV* **9**, Pr10/73-75 (1999)

P. Sovak, P. Petrovic, A. Solyom, P. Marko, A. Lovas: Microstructure and magnetic properties of Fe-Zr-U-Cu-B alloys. *acta phys. slovacica* **49**, 453-456 (1999)

L. Takács, A. Mossion, K. Lázár, L.K. Varga, M. Pardavi-Horváth, A. Bakhshai: ZnO-Fe nanocomposites via ball milling and annealing. *Nanostruct. Mater.* **12**, 245-248 (1999)

J. Tóth, L.F. Kiss, E. Tóth-Kádár, A. Dinia, V. Pierron-Bohnes, I. Bakonyi: Giant magneto-resistance and magnetic properties of electrodeposited $\text{Ni}_{81}\text{Cu}_{19}/\text{Cu}$ multilayers. *J. Magn. Magn. Mater.* **198-199**, 243-245 (1999)

L.K. Varga, K.V. Rao: Thermomagnetic study of metastable nanograin in soft magnetic nanocrystalline alloys. *Nanostruct. Mater.* **12**, 1157-1160 (1999)

R. Varga, P. Vojtanik, J. Kovac, P. Agudo, M. Vasquez, A. Lovas: Influence of Cr on magnetic and structural properties of amorphous $\text{Fe}_{80-x}\text{Cr}_x\text{Si}_6\text{B}_{14}$ alloys. *acta phys. slovacica* **49**, 901-904 (1999)

A. Vértes, K. Süvegh, M. Bokor, A. Domján, T. Marek, B. Iván, Gy. Vankó: Positronium as a tool to monitor changes of chemical structure. *Rad. Phys. Chem.* **55**, 541-548 (1999)

A. Vértes, K. Süvegh, M. Bokor, A. Domján, T. Marek, M. Klapper, C.U. Chisholm, M. El-Sharif, K. Tompa, Zs. Nemes-Vetéssy, K. Burger: Frontiers of positron and positronium chemistry in condensed media. *J. Radioanal. Nucl. Chem.* **239**, 29-36 (1999)

2000

W.H. Ciurzynska, L.K. Varga, J. Olszewski, J. Zbroszczyk, M. Hasiak: Mössbauer studies and some magnetic properties of amorphous and nanocrystalline $\text{Fe}_{87-x}\text{Zr}_7\text{B}_6\text{Cu}_x$ alloys. *J. Magn. Magn. Mater.* **208**, 61-68 (2000)

V. Franco, C.F. Conde, A. Conde, B. Varga, A. Lovas: Thermomagnetic study of $\text{Fe}_{73.5-x}\text{Cr}_x\text{Si}_{13.5}\text{B}_9\text{Cu}_1\text{Nb}_3$ ($x=1, 3, 5, 10$) alloys. *J. Magn. Magn. Mater.* **215-216**, 404-406 (2000)

G. Herzer, L.K. Varga (editors): Exchange softening in nanocrystalline alloys (panel discussion). *J. Magn. Magn. Mater.* **215-216**, 506-512 (2000)

- S.N. Kane, S. Sarabhai, A. Gupta, L.K. Varga, T. Kulik: Effect of quenching rate on crystallization in $\text{Fe}_{73.5}\text{Si}_{13.5}\text{B}_9\text{Cu}_1\text{Nb}_3$ alloy. *J. Magn. Magn. Mater.* **215-216**, 372-374 (2000)
- G. Lasanda, P. Bánki, K. Tompa: Hydrogen occupancy, ^1H NMR spectrum and second moment of $\text{Zr}_x\text{Ni}_{1-x}\text{-H}$ metallic glasses. *J. All. Comp.* **313**, 34-41 (2000); Erratum, *ibid.* **322**, 302 (2001)
- A. Lovas, L.F. Kiss, I. Balogh: Saturation magnetization and amorphous Curie point changes during the early stage of amorphous-nanocrystalline transformation of a FINEMET-type alloy. *J. Magn. Magn. Mater.* **215-216**, 463-465 (2000)
- T. Marek, M. Bokor, Gy. Lasanda, K. Tompa, L. Párkányi, J. Buschmann: Temperature dependence of solid state ^1H NMR line shapes and M_2 in polycrystalline BF_4^- salts of 1-propyltetrazole complexes of iron(II) and zinc(II). *J. Phys. Chem. Sol.* **61**, 621-631 (2000)
- F. Mazaleyrat, L.K. Varga: Ferromagnetic nanocomposites. *J. Magn. Magn. Mater.* **215-216**, 253-259 (2000)
- J. Olszewski, L.K. Varga, J. Zbroszczyk, W.H. Czurzyńska, M. Hasiak, A. Błachowicz: Magnetic behaviour of the amorphous and nanocrystalline $\text{Fe}_{92-x}\text{Zr}_7\text{Cu}_1\text{B}_x$ ($x = 2$ or 6) alloys. *J. Magn. Magn. Mater.* **215-216**, 416-418 (2000)
- Perruchot F, Williams FIB, Mellor CJ, Gaal R, Sas B, Henini M: Transverse threshold for sliding conduction in a magnetically induced Wigner solid. *Physica B* **284**, 1984-1985 (2000)
- L. Péter, J. Arai, H. Akahoshi: Impedance of a reaction involving two adsorbed intermediates: aluminum dissolution in non-aqueous lithium imide solutions. *J. Electroanal. Chem.* **482**, 125-138 (2000)
- P. Rácz, C. Hargitai, B. Alföldy, P. Bánki, K. Tompa: ^1H spin-spin relaxation in normal and cataractous human, normal fish and bird eye lenses. *Exp. Eye Res.* **70**, 529-536 (2000)
- Sas B, Portier F, Vad K, Keszei B, Kiss LF, Hegman N, Puha I, Mészáros S, Williams FIB: Metastability line in the phase diagram of vortices in $\text{Bi}_2\text{Sr}_2\text{CaCu}_2\text{O}_8$. *Phys. Rev. B* **61**, 9118-9121 (2000)
- R. Sitnikov, I. Furó, U. Henriksson, F. Tóth: Nuclear magnetic resonance spectrometer with a frequency range extended below the megahertz region. *Rev. Sci. Instr.* **71**, 450-457 (2000)
- A. Sólyom, P. Petrovič, P. Marko, J. Kováč, G. Konczos: Study of Fe-Zr-U-B and Fe-Zr-U-Cu-B nanocrystalline alloys. *J. Magn. Magn. Mater.* **215-216**, 482-483 (2000)
- J. Tóth, J. Garaguly, L. Péter, K. Tompa: Resistivity changes during hydrogenation of $\text{Pd}_{80}\text{Ag}_{20}$ alloy in non-equilibrium circumstances. *J. All. Comp.* **312**, 117-120 (2000)
- E. Tóth-Kádár, L. Péter, T. Becsei, J. Tóth, L. Pogány, T. Tarnóczy, P. Kamasa, I. Bakonyi, G. Láng, Á. Cziráki, W. Schwarzacher: Preparation and magnetoresistance characteristics of electrodeposited Ni-Cu alloys and Ni-Cu/Cu multilayers. *J. Electrochem. Soc.* **147**, 3311-3318 (2000)
- B. Varga, A. Lovas, F. Ye, X.J. Gu, K. Lu: Pressure dependence of nanocrystallization in amorphous $\text{Fe}_{86}\text{B}_{14}$ and $\text{Fe}_{85}\text{Cu}_1\text{B}_{14}$ alloys. *Mater. Sci. Eng. A* **286**, 193-196 (2000)
- L.K. Varga, F. Mazaleyrat, J. Kováč, A. Kákay: Soft magnetic properties of nanocrystalline $\text{Fe}_{100-x}\text{Si}_x$ ($15 < x < 34$) alloys. *J. Magn. Magn. Mater.* **215-216**, 121-123 (2000)

L.K. Varga, L. Novák, F. Mazaleyrat: Effective magnetic anisotropy and internal demagnetization investigations in soft magnetic nanocrystalline alloys. *J. Magn. Magn. Mater.* **210**, L25-L30 (2000)

G. Vértesy, A. Gasparics, Z. Vértesy, E. Tóth-Kádár: Influence of the core material polishing on the Fluxset sensor's operation. *J. Magn. Magn. Mater.* **215-216**, 762-764 (2000)

2001

Á. Cziráki, I. Gerócs, M. Köteles, A. Gábris, L. Pogány, I. Bakonyi, Z. Klencsár, A. Vértes, S.K. De, A. Barman, M. Ghosh, S. Biswas, S. Chatterjee, B. Arnold, H.D. Bauer, K. Wetzig, C. Ulhaq-Bouillet, V. Pierron-Bohnes: Structural features of the La-Sr-Fe-Co-O system. *European Physical Journal B* **21**, 521-526 (2001)

Á. Cziráki, F. Zhou, R. Lück, K. Lu, A. Lovas, I. Bakonyi: Formation and microstructure of nanocrystalline phases in Ni-rich melt-quenched Zr-Ni alloys. *Scripta Mater.* **44**, 1287-1290 (2001)

J. Gubicza, G. Ribárik, I. Bakonyi, T. Ungár: Crystallite-size distribution and dislocation structure in nanocrystalline HfNi₅ determined by X-ray diffraction profile analysis. *J. Nanosci. Nanotechnol.* **1**, 343-348 (2001)

L.F. Kiss, I. Bakonyi, A. Lovas, M. Baran, J. Kadlecová: Magnetic properties of amorphous Ni_{81.5-x}Fe_xB_{18.5} alloys (x = 1, 2, 3): A further key to understand the magnetism of amorphous Ni_{81.5}B_{18.5}. *Phys. Rev. B* **64**, 064417/1-7 (2001)

A. Lovas, L.F. Kiss, B. Varga, P. Kamasa, I. Varga, L. Pogány: Relaxation and early stage of crystallization in FINEMET-type nanocrystal precursor. *Mater. Sci. Forum* **373-376**, 225-228 (2001)

F. Mazaleyrat, L.K. Varga: Thermo-magnetic transitions in two-phase nanostructured materials. *IEEE Trans. Magn.* **37**, 2232-2235 (2001)

Z. Mester, R.E. Sturgeon, J.W. Lam, P.S. Maxwell, L. Péter: Speciation without chromatography, Part I. Determination of tributyltin in aqueous samples by chloride generation, headspace solid-phase microextraction and inductively coupled plasma time of flight mass spectrometry. *J. Anal. At. Spectrom.* **16**, 1313-1316 (2001)

P. Myśliński, P. Kamasa, A. Wasik: Effects of TiN coating of iron detected by temperature modulated thermomagnetometry and dilatometry. *J. Therm. Anal. Calorim.* **64**, 1201-1207 (2001)

P. Myśliński, P. Kamasa, A. Wasik: Application of temperature modulated relative dilatometry - Temperatures of adhesion degradation. *J. Therm. Anal. Calorim.* **65**, 553-559 (2001)

L. Németh, P. Matus, G. Kriza, B. Alavi: NMR in the pseudogap- and charge-density-wave states of (TaSe₄)₂I. *Synth. Met.* **120**, 1007-1008 (2001)

L. Péter, Á. Cziráki, L. Pogány, Z. Kupay, I. Bakonyi, M. Uhlemann, M. Herrich, B. Arnold, T. Bauer, K. Wetzig: Microstructure and giant magnetoresistance of electrodeposited Co-Cu/Cu multilayers. *J. Electrochem. Soc.*, **148**, C168-C176 (2001)

L. Péter, Z. Kupay, Á. Cziráki, J. Pádár, J. Tóth, I. Bakonyi: Additive effects in multilayer electrodeposition: properties of Co-Cu/Cu multilayers deposited with NaCl additive. *J. Phys. Chem. B* **105**, 10867-10873 (2001)

- I. Pethes, B. Sas, G. Kriza, F. Portier, F.I.B. Williams, K. Vad, S. Mészáros: High-current differential resistance in $\text{Bi}_2\text{Sr}_2\text{CaCu}_2\text{O}_8$ single crystals. *Synth. Met.* **120**, 1013-1014 (2001)
- M. Pyda, M.L. Di Lorenzo, J. Pak, P. Kamasa, A. Buzin, J. Grebowicz, B. Wunderlich: Reversible and irreversible heat capacity of poly[carbonyl(ethylene-co-propylene)] by temperature-modulated calorimetry. *J. Polymer Sci. B* **39**, 1565-1577 (2001)
- M. Redjda, A. Kákay, T. Trunk, M.F. Ruane, F.B. Humphrey: Simulation of three-dimensional nonperiodic structures of π -vertical Bloch line (π -VBL) and 2π -VBL (2π -VBL) in Permalloy films. *J. Appl. Phys.* **89**, 7609-7611 (2001)
- Á. Révész, J. Lendvai, Á. Cziráki, H.H. Liebermann, I. Bakonyi: Formation of nanocrystalline phases during decomposition of amorphous Ni-P alloys by continuous linear heating. *Z. Metallkde.* **92**, 483-488 (2001)
- Á. Révész, J. Lendvai, Á. Cziráki, H.H. Liebermann, I. Bakonyi: Formation of nanocrystalline phases during thermal decomposition of amorphous Ni-P alloys by isothermal annealing. *J. Nanosci. Nanotechn.* **1**, 191-200 (2001)
- Á. Révész, J. Lendvai, L.K. Varga, I. Bakonyi: Nanocrystallization studies of a melt-quenched $\text{Fe}_{40}\text{Ni}_{40}\text{P}_{14}\text{B}_6$ amorphous alloy. *Mater. Sci. Forum*, **360-362**, 543-548 (2001)
- Á. Révész, J. Lendvai, J. Lóránth, J. Pádár, I. Bakonyi: Nanocrystallization studies of an electroless plated Ni-P amorphous alloy. *J. Electrochem. Soc.* **148**, C715-C720 (2001)
- K. Tompa, P. Bánki, M. Bokor, G. Lasanda: Hydrogen spectroscopy of $\text{Pd}_{0.9}\text{Ag}_{0.1}$ -H alloys on NMR scales. *Europhys. Lett.* **53**, 79-85 (2001)
- T. Trunk, M. Redjda, A. Kákay, M.F. Ruane, F.B. Humphrey: Domain wall structure in Permalloy films with decreasing thickness at the Bloch to Neel transition. *J. Appl. Phys.* **89**, 7606-7608 (2001)
- B. Varga, J. Kováč: Study of the $\alpha \leftrightarrow \gamma$ transformation in two-phase iron-nickel alloys by thermomagnetic measurements. *Mater. Sci. Forum* **373-376**, 285-288 (2001)
- L.K. Varga, V. Franco, A. Kákay, Gy. Kovács, F. Mazaleyrat: The role of internal and external demagnetizing effects in nanocrystalline alloys. *IEEE Trans. Magn.* **37**, 2229-2231 (2001)
- L.K. Varga, F. Mazaleyrat, J. Kováč, A. Kákay: Magnetic properties of rapidly quenched $\text{Fe}_{100-x}\text{Si}_x$ ($15 < x < 34$) alloys. *Mater. Sci. Eng. A* **304-306**, 946-949 (2001)
- L.K. Varga, F. Mazaleyrat, Gy. Kovács, A. Kákay: The role of the residual amorphous matrix in determining the temperature dependence of soft magnetic properties of nc alloys. *J. Magn. Mater.* **226-230**, 1550-1552 (2001)

2002

- L. Almásy, P. Bánki, M.C. Bellisent-Funel, M. Bokor, L. Cser, G. Jancsó, K. Tompa, J.M. Zanotti: QENS and NMR studies of 3-picoline-water solutions. *Appl. Phys. A* **74**, S516-S518 (2002)
- I. Bakonyi, E. Babić, M. Miljak, R. Lück, J. Bahle, R. Hasegawa, J. Kollár: Magnetic properties of amorphous, crystalline and liquid Ni-B alloys. *Phys. Rev. B* **65**, 104423/1-10 (2002)

- I. Bakonyi, J. Tóth, L. Goualou, T. Becsei, E. Tóth-Kádár, W. Schwarzacher and G. Nabiyouni: Giant magnetoresistance of electrodeposited Ni₈₁Cu₁₉/Cu multilayers. *J. Electrochem. Soc.* **149**, C195-C200 (2002)
- I. Bakonyi, E. Tóth-Kádár, Á. Cziráki, J. Tóth, L.F. Kiss, C. Ulhaq-Bouillet, V. Pierron-Bohnes, A. Dinia, B. Arnold, K. Wetzig, P. Santiago and M.-J. Yacamán: Preparation, structure, magnetic and magnetotransport properties of electrodeposited Co(Ru)/Ru multilayers. *J. Electrochem. Soc.* **149**, C469-C473 (2002)
- I. Bakonyi, E. Tóth-Kádár, J. Tóth, L.F. Kiss, L. Pogány, Á. Cziráki, C. Ulhaq-Bouillet, V. Pierron-Bohnes, A. Dinia, B. Arnold, K. Wetzig: Room temperature electronic transport properties of Co metal and Co(Ru) dilute alloys. *Europhys. Lett.*, **58**, 408-414 (2002)
- A.I. Buzin, P. Kamasa, M. Pyda, B. Wunderlich: Application of a Wollaston wire probe for quantitative thermal analysis. *Thermochim. Acta* **381**, 9-18 (2002)
- W.G. Clark, K.B. Tanaka, P. Vonlanthen, G. Kriza: New insights on charge density wave and other fluctuations in blue bronze from NMR measurements. *J. Phys. (France) IV* **12**, Pr9/365-368 (2002)
- Á. Cziráki, I. Geröcs, L.K. Varga, I. Bakonyi, U. Falke, H.D. Bauer, K. Wetzig: Structural differences between the nanocrystalline soft magnetic Fe_{73.5}Si_{13.5}B₉Nb₃Cu₁ and Fe₈₆Zr₇B₆Cu₁ alloys. *Z. Metallkde.* **93**, 21-27 (2002)
- P. Kamasa, A. Buzin, M. Pyda, B. Wunderlich: The use of infra-red light-modulated temperature in DSC created by pulse-width modulation. *Thermochim. Acta* **381**, 139-146 (2002)
- P. Kamasa, M. Merzlyakov, M. Pyda, J. Pak, C. Schick and B. Wunderlich: Multi-frequency heat capacity measured with different types of TMDSC. *Thermochimica Acta* **392-393**, 195-207 (2002)
- P. Kamasa, P. Myslinski: Thermal analysis of the ferromagnetic materials in the region of Curie temperature by temperature-modulated DTA. *Czech J. Phys.* **52**, 159-162 (2002)
- W. R. A. Meuleman, S. Roy, L. Péter, I. Varga: Effect of current and potential waveforms on sublayer thickness of electrodeposited copper-nickel multilayers. *J. Electrochem. Soc.* **149**, C479-C486 (2002)
- J. Moulin, Y. Champion, L.K. Varga, J.-M. Grenèche, F. Mazaleyra: Magnetic properties of nanocomposites containing Fe-Ni or Fe dispersed in a Mn-Zn ferrite matrix. *IEEE Trans. Magn.* **38**, 3015-3017 (2002)
- M. A. Muñoz-Morris, S. Suriñach, L. K. Varga, M. D. Baro, D. G. Morris: The influence of composition and low temperature annealing on hardness and ductility of rapidly solidified Al-Ni-Ce alloys. *Scripta Mater.* **47**, 31-37 (2002)
- P. Myslinski, P. Kamasa, A. Wasik: Irreversing thermal expansivity of materials coated with adhesive thin films detected by modulated-temperature dilatometry and differential thermal analysis. *Thermochim. Acta* **387**, 131-140 (2002)
- P. Myslinski, P. Kamasa, A. Wasik, M. Pyda, B. Wunderlich: Characterization of the ceramic coating of iron with TiN by temperature-modulated dilatometry. *Thermochimica Acta* **392-393**, 187-193 (2002)

- G. Nabiyouni, W. Schwarzacher, Z. Rolik, I. Bakonyi: Giant magnetoresistance and magnetic properties of electrodeposited Ni-Co-Cu/Cu multilayers. *J. Magn. Magn. Mater.* **253**, 77-85 (2002)
- F. Portier, G. Kriza, B. Sas, L.F. Kiss, I. Pethes, K. Vad, B. Keszei, F.I.B. Williams: Slow relaxation of low-temperature vortex phases in $\text{Bi}_2\text{Sr}_2\text{CaCu}_2\text{O}_8$. *Phys. Rev. B* **66**, 140511/1-4 (2002)
- M. Redjda, A. Kákay, M.F. Ruane, F.B. Humphrey: Magnetic domain wall transitions based on chirality change and vortex position in thin Permalloy films. *J. Appl. Phys.* **91**, 8278-8280 (2002)
- M. Redjda, A. Kákay, M.F. Ruane, F.B. Humphrey: Cross-tie walls in thin permalloy films. *IEEE Trans. Magn.* **38**, 2471-2473 (2002)
- A. Révész, L.K. Varga, S. Surinach, M.D. Baro: Thermal stability, crystallization kinetics, and grain growth in an amorphous $\text{Al}_{85}\text{Ce}_5\text{Ni}_8\text{Co}_2$ alloy. *J. Mater. Res.* **17**, 2140-2146 (2002)
- C. Scriver, Z. Mester, R.E. Sturgeon, L. Péter, S. Willie: Speciation without chromatography. Part 2. Determination of tributyltin by chloride generation flow injection atomic absorption spectrometry. *J. Anal. Atom. Spectrom.* **17**, 1511-1515 (2002)
- L.K. Varga, F. Mazaleyrat, J. Kováč, J.M. Greneche: Structural and magnetic properties of metastable $\text{Fe}_{1-x}\text{Si}_x$ ($0.15 < x < 0.34$) alloys prepared by a rapid-quenching technique. *J. Phys.: Cond. Matter* **14**, 1985-2000 (2002)

2003

- P.K. Chakrabarti, F. Mazaleyrat, L. K. Varga: Soft magnetic properties of rapidly quenched pig-iron-based alloys. *J. Magn. Magn. Mater.* **254-255**, 447-449 (2003)
- Á. Cziráki, T. Gemming, V. Wehnacht, K. Wetzig, L. Péter, J. Pádár, I. Bakonyi, G. Tichy: Co-deposition, dissolution and replacement process during electrochemical deposition of Co/Cu multilayers. *Microscopy and Microanalysis* **9**, Suppl. 3, 244-245 (2003)
- Á. Cziráki, M. Köteles, L. Péter, Z. Kupay, J. Pádár, L. Pogány, I. Bakonyi, M. Uhlemann, M. Herrich, B. Arnold, J. Thomas, H.D. Bauer, K. Wetzig: Correlation between interface structure and giant magnetoresistance in electrodeposited Co-Cu/Cu multilayers. *Thin Solid Films*, **433**, 237-242 (2003)
- Á. Cziráki, L. Péter, B. Arnold, J. Thomas, H.D. Bauer, K. Wetzig, I. Bakonyi: Structural evolution during growth of electrodeposited Co-Cu/Cu multilayers with giant magnetoresistance. *Thin Solid Films* **424**, 229-238 (2003)
- B.G. Hosu, K. Jakab, P. Bánki, F.I. Tóth, G. Forgács: Magnetic tweezers for intracellular applications. *Rev. Sci. Instrum.* **74**, 4158-4163 (2003)
- P. Kamasa, A. Buzin, M. Pyda, J. Kovac, Á. Cziráki, A. Lovas, I. Bakonyi: Temperature-modulated thermal and magnetic analysis of amorphous alloys around magnetic and structural phase transitions. *J. Magn. Magn. Mater.* **257**, 274-283 (2003)
- Kamasa P, Myslinski P, Pyda M; Thermal expansion coefficient determination by temperature modulated dilatometry [**Feature article**]; *NATAS Notes* (North American Thermal Analysis Society); **35**(3), 17-21 (2003)

- P. Kamasa, M. Pyda, A. Buzin, B. Wunderlich: Frequency dependence of the heat capacity of polystyrene in the glass transition region measured by multi-frequency light-modulated DSC. *Thermochimica Acta* **396**, 109-117 (2003)
- S.N. Kane, A. Gupta, L. K. Varga: Mössbauer study of plastic deformation in amorphous $\text{Fe}_{40}\text{Ni}_{40}\text{B}_{20}$ and $\text{Fe}_{78}\text{Si}_9\text{B}_{11}\text{C}_2$ alloys. *J. Magn. Magn. Mater.* **254-255**, 501-503 (2003)
- T. Marek, M. Bokor, K. Tompa, A. Vértes, K. Süvegh, Zs. Nemes-Vetéssy, K. Burger: Extended NMR study of spin-crossover compounds $[\text{Fe}(\text{1-alkyl-1H-tetrazole})_6](\text{BF}_4)_2$ and their Zn^{II} analogs. *Structural Chemistry* **14**, 349-368 (2003)
- Z. Mitroova, A. Zentko, J. Trpcevska, M. Lukacova, K. Csach, M. Bokor: Rare earth ferricyanides. *Solid State Phenomena* **90-91**, 85-90 (2003)
- L. Péter, B. Almási, B. Verő, H. Schneider: Theoretical analysis of entrapment kinetics in hydrogen permeation experiments. *Mater. Sci. Eng. A* **339**, 245-254 (2003)
- L. Péter, B. Almási, B. Verő, H. Schneider: Theoretical analysis of hydrogen permeation and entrapment kinetics. *Materials Science Forum* **414-415**, 305-310 (2003)
- L. Péter, E. Szűcs, L. Filák, B. Verő, H. Schneider: Electrochemical hydrogen permeation on steel sheets with in situ electrodeposition of a Pd layer at the exit side. *J. Appl. Electrochem.* **33**, 613-617 (2003)
- Pethes I, Pomar A, Sas B, Kriza G, Vad K, Pallinger A, Portier F, Williams FIB: Potential and current distribution in strongly anisotropic $\text{Bi}_2\text{Sr}_2\text{CaCu}_2\text{O}_8$ single crystals at current breakdown. *Phys. Rev. B* **68**, 184509/1-9 (2003)
- Á. Révész, L.K. Varga, P.M. Nagy, J. Lendvai, I. Bakonyi: Structure and thermal stability of melt-quenched $\text{Al}_{92-x}\text{Ni}_8(\text{Ce,Sm})_x$ alloys with $x = 1, 2$ and 4 . *Mater. Sci. Eng. A* **351**, 160-165 (2003)
- M. Shapaan, J. Lendvai, L.K. Varga: Influence of the B and P content on the thermal stability and crystallization of cast iron based bulk amorphous alloys. *J. Non-Cryst. Sol.* **330**, 150-155 (2003)
- R. Szewczyk, A. Bienkowski, J. Salach, E. Fazakas, L.K. Varga: The influence of microstructure on compressive stress characteristics of the FINEMET-type nanocrystalline sensors. *J. Optoelect. Adv. Mater.* **5**, 705-708 (2003)
- Tompa K, Bánki P, Bokor M, Lasanda G, Vasáros L; Diffusible and residual hydrogen in amorphous Ni(Cu)-Zr-H alloys. *J. All. Comp.* **350**, 52-55 (2003)
- L.K. Varga, Zs. Gercsi, Gy. Kovács, A. Kákay, F. Mazaleyrat: Stress-induced magnetic anisotropy in nanocrystalline alloys. *J. Magn. Magn. Mater.* **254-255**, 477-479 (2003)
- V. Weihnacht, L. Péter, J. Tóth, J. Pádár, Zs. Kerner, C.M. Schneider, I. Bakonyi: Giant magnetoresistance in Co-Cu/Cu multilayers prepared by various electrodeposition control modes. *J. Electrochem. Soc.* **150**, C507-C515 (2003)
- A. Zentko, M. Bokor, M. Lukacova, M. Marysko, M. Mihalik, Z. Mitroova, M. Zentkova: Magnetic properties of $\text{Pr}[\text{Fe}(\text{CN})_6] \cdot 5\text{H}_2\text{O}$. *phys. stat. sol. (a)* **196**, 340-343 (2003)

2004

- M. Alper, M.C. Baykub, L. Péter, J. Tóth, I. Bakonyi: Preparation and characterisation of electrodeposited Ni-Cu/Cu multilayers. *J. Appl. Electrochem.* **34**, 841-848 (2004)

- I. Bakonyi, L. Péter, Z. Rolik, K. Kiss-Szabó, Z. Kupay, J. Tóth, L.F. Kiss, J. Pádár: Decomposition of the giant magnetoresistance of multilayers into ferromagnetic and superparamagnetic contributions. *Phys. Rev. B* **70**, 054427/1-10 (2004); see also: *Virtual J. Nanoscale Sci. & Technol.* **10**(11), 2004 [available at: <http://www.vjnano.org>]
- I. Bakonyi, J. Tóth, L.F. Kiss, E. Tóth-Kádár, L. Péter, A. Dinia: Origin of GMR contributions in electrodeposited Ni-Cu/Cu multilayers. *J. Magn. Magn. Mater.* **269**, 156-167 (2004)
- Bárdos A, Lovas A, Janovszky D, Kovác J, Varga LK; The influence of thermal history on the crystallization properties of $\text{Fe}_{70.7}\text{C}_{6.7}\text{P}_{10.4}\text{B}_5\text{Si}_{1.1}\text{Mn}_{0.1}\text{Cr}_2\text{Mo}_2\text{Ga}_2$ bulk glasses; *Czech. J. Phys.*; **54**, Suppl. D, D125-D128 (2004)
- A. Concustell, Á. Révész, S. Surinach, L.K. Varga, G. Heunen, M.D. Baró: Microstructural evolution during decomposition and crystallization of the $\text{Cu}_{60}\text{Zr}_{20}\text{Ti}_{20}$ amorphous alloy. *J. Mater. Research* **19**, 505-512 (2004)
- A. Concustell, M. Zielinska, Á. Révész, L. K. Varga, S. Suriñach, M. D. Baró: Thermal characterization of $\text{Cu}_{60}\text{Zr}_x\text{Ti}_{40-x}$ metallic glasses ($x=15, 20, 22, 25, 30$). *Intermetallics* **12**, 1063-1067 (2004)
- Fazakas É, Varga LK; Scaling approach to describe the nanocrystallization kinetics in Al based bulk amorphous alloys; *Arch. Mater. Sci.*; **25**, 365-372 (2004)
- J. Füzi, L.K. Varga: Dipolar interactions in nanosized granular systems. *Physica B* **343**, 320-324 (2004)
- Gercsi Zs, Kane SN, Greneche JM, Varga LK, Mazaleyrat F; Study of structural and magnetic properties of $(\text{Fe}_{100-x}\text{Co}_x)_{73.5}\text{Si}_{13.5}\text{B}_9\text{Nb}_3\text{Cu}_1$ alloys; *phys. stat. sol. (c)*; **1**, 3603-3607 (2004)
- Zs. Gercsi, F. Mazaleyrat, S.N. Kane, L.K. Varga: Magnetic and structural study of $(\text{Fe}_{1-x}\text{Co}_x)_{62}\text{Nb}_8\text{B}_{30}$ bulk amorphous alloys. *Mater. Sci. Eng. A* **375-377**, 1048-1052 (2004)
- A. Hernando, P. Marin, M. López, T. Kulik, L.K. Varga, G. Hadjipanayis: Size dependence of coercivity in nanostructured soft alloys. *Phys. Rev. B* **69**, 052501/1-4 (2004)
- Justin Joseyphus R, Narayanasamy A, Prabhu D, Varga LK, Jeyadevan B, Chinnasamy CN, Tohji K, Ponpandian N; Dipolar and exchange couplings in $\text{Nd}_2\text{Fe}_{14}\text{B}/\alpha\text{-Fe}$ ribbons; *phys. stat. sol. (c)*; **1**, 3489-3494 (2004)
- A. Kákay, M.W. Gutowski, L. Takács, V. Franco and L.K. Varga: Langevin granulometry of the particle size distribution. *J. Phys. A* **37**, 6027-6041 (2004)
- A. Kákay and L.K. Varga: Micromagnetic simulation of random anisotropy model. *J. Magn. Mater.* **272-276**, 741-742 (2004)
- Kákay A, Varga LK; Micromagnetic calculations of magnetic structures in nanoparticles; *Arch. Mater. Sci.*; **25**, 431-439 (2004)
- Kamasa P, Myslinski P, Staskiewicz J; Instantaneous coefficient of thermal expansion determined by temperature-modulated dilatometry; *Czech. J. Phys.*; **54**, Suppl. D, D627-D630 (2004)
- R. Kolano, A. Kolano-Burian, J. Szynowski, L. Varga, F. Mazaleyrat, T. Kulik, N. Wojcik, L. Winczura, L. Kubica: Dependence of magnetic properties of the Fe-Co-Cu-Nb-Si-B nanocrystalline alloys on magnetic field frequency and temperature. *Mater. Sci. Eng. A* **375-377**, 1072-1077 (2004)

- A. Kolano-Burian, T. Kulik, G. Vlasak, J. Ferenc, L.K. Varga: Effect of Co addition on nanocrystallization and soft magnetic properties of $(\text{Fe}_{1-x}\text{Co}_x)_{73.5}\text{Cu}_1\text{Nb}_3\text{Si}_{13.5}\text{B}_9$ alloys. *J. Magn. Magn. Mater.* **272-276**, 1447-1448 (2004)
- Q.X. Liu, L. Péter, J. Tóth, L.F. Kiss, Á. Cziráki, I. Bakonyi: The role of nucleation in the evolution of giant magnetoresistance with layer thicknesses in electrodeposited Co-Cu/Cu multilayers. *J. Magn. Magn. Mater.* **280**, 60-74 (2004)
- P. Marín, A. Hernando, M. López, T. Kulik, L.K. Varga and G. Hadjipanayis: Influence of mechanical grinding on the structure and magnetic properties of FeCuNbSiB material. *J. Magn. Magn. Mater.* **272-276**, e1131–e1133 (2004)
- Matus P, Alloul H, Singer PM, Brouet V, Kriza G, Garaj S, Forró L: Fullerene local order in $\text{Na}_2\text{CsC}_{60}$ by ^{23}Na NMR. *App. Magn. Res.* **27**, 133-138 (2004)
- F. Mazaleyrat, Zs. Gercsi, J. Ferenc, T. Kulik, L.K. Varga: Magnetic properties at elevated temperatures of Co substituted Finemet alloys. *Mater. Sci. Eng. A* **375-377**, 1110-1115 (2004)
- F. Mazaleyrat, Zs. Gercsi, L.K. Varga, M. Lécivain: A novel method determining longitudinally induced magnetic anisotropy in amorphous and nanocrystalline soft materials. *J. Magn. Magn. Mater.* **280**, 391-394 (2004)
- W.R.A. Meuleman, S. Roy, L. Péter, I. Bakonyi: Effect of current and potential waveforms on GMR characteristics of electrodeposited Ni(Cu)/Cu multilayers. *J. Electrochem. Soc.* **151**, C256-C261 (2004)
- Myslinski P, Precht W, Kukielka L, Kamasa P, Pietruszka K, Malek P: A possibility of application of MTDIL to the residual stresses analysis - The hard coating-substrate system. *J. Therm. Anal. Calorim.* **77**, 253-258 (2004)
- Nándori I, Vad K, Mészáros S, Hakl J, Sas B; Length-scale dependence in layered superconductors; *Czech. J. Phys.*; **54**, Suppl. D, D481-D484 (2004)
- L. Péter, Z. Kupay, J. Pádár, Á. Cziráki, Zs. Kerner, I. Bakonyi: Electrodeposition of Co-Cu-Zn/Cu multilayers: influence of anomalous codeposition on the formation of ternary multilayers. *Electrochim. Acta* **49**, 3613-3621 (2004)
- L. Péter, Q.X. Liu, Zs. Kerner, I. Bakonyi: Relevance of potentiodynamic method in parameter selection for pulse-plating of Co-Cu/Cu multilayers. *Electrochim. Acta* **49**, 1513-1526 (2004)
- Révész Á, Concustell A, Varga LK, Surinach S, Baró MD; Influence of the wheel speed on the thermal behaviour of $\text{Cu}_{60}\text{Zr}_{20}\text{Ti}_{20}$ alloys; *Mater Sci Eng A* **375-377**, 776-780 (2004)
- Á. Révész, G. Heunen, L. K. Varga, S. Suriñach, M. D. Baró: Real time synchrotron studies on amorphous $\text{Al}_{85}\text{Ce}_5\text{Ni}_8\text{Co}_2$ and $\text{Al}_{85}\text{Y}_5\text{Ni}_8\text{Co}_2$ alloys. *J. All. Comp.* **368**, 164-168 (2004)
- Á. Révész, L.K. Varga, S. Suriñach, M.D. Baró: Influence of the heat treatment on the crystallization mechanisms of $\text{Al}_{85}\text{Y}_5\text{Ni}_8\text{Co}_2$ metallic glass. *J. Non-Cryst. Sol.* **343**, 143-149 (2004)
- Sendek M, Zentko A, Mihalik M, Zentkova M, Z. Mitroova Z, Kavcanska V, Bokor M, Marysko M; Magnetic properties and ^1H NMR study of $\text{TM}_0^{2+}[\text{Mo}^{\text{IV}}(\text{CN})_8] \cdot n\text{H}_2\text{O}$; *Czech. J. Phys.*; **54**, Suppl. D, D551-D554 (2004)
- Shapaan M, Bárdos A, Lábár J, Lendvai J, Varga LK: Thermal stability and glass forming ability of cast iron based $\text{C}_i\text{P}_x\text{B}_{4.35}$ bulk amorphous alloys; *phys. stat. sol. (a)* **201**, 476-481 (2004)

M. Shapaan, A. Bárdos, L. K. Varga, J. Lendvai: Thermal stability and glass forming ability of cast iron–phosphorus amorphous alloys. *Mater. Sci. Eng. A* **366**, 6-9 (2004)

M. Shapaan, J. Gubicza, J. Lendvai, L.K. Varga: Crystallization behavior of $(\text{Fe}_{100-x}\text{Co}_x)_{62}\text{Nb}_8\text{B}_{30}$ bulk amorphous alloys. *Mater. Sci. Eng. A* **375-377**, 785-788 (2004)

M. Shapaan, J. Lábár, J. Lendvai, L.K. Varga: Crystallization behavior of $\text{Fe}_{62}\text{Nb}_{8-x}\text{Zr}_x\text{B}_{30}$ bulk amorphous alloy. *Mater. Sci. Eng. A* **375-377**, 789-793 (2004)

Shapaan M, Lábár J, Varga LK, Lendvai J: Glass-forming ability and thermal stability of $\text{Fe}_{62}\text{Nb}_{8-x}\text{Zr}_x\text{B}_{30}$ and $\text{Fe}_{72}\text{Zr}_8\text{B}_{20}$ amorphous alloys? *Central European Journal of Physics* **2**, 104-119 (2004)

Tompa K, Bánki P, Bokor M; Chemical and intrinsic hydrogen diffusion in $\text{Pd}_{0.75}\text{Ag}_{0.25}\text{-H}$ alloys: NMR aspects. *Defect and Diffusion Forum*; **224-225**, 93-104 (2004)

Tompa K, Bánki P, Bokor M, Lasanda G, Varga LK, Champion Y, Takács L; Quadrupole effects in ^{63}Cu NMR spectroscopy of copper nanocrystals; *Appl. Magn. Reson.*; **27**, 93-107 (2004)

L.K. Varga, Gy. Kovács, A. Kákay, F. Mazaleyrat, Zs. Gercsi, J. Ferenc, É. Fazakas, T. Kulik and C. Conde: Microstructure and magnetic properties of $\text{Fe}_{85-x}\text{Co}_x\text{Nb}_5\text{B}_8\text{P}_2$ high temperature nanocrystalline alloys. *J. Magn. Magn. Mater.* **272-276**, 1506-1507 (2004)

Varga LK, Mazaleyrat F; Metal-metal and metal-insulator type soft magnetic nanocomposites; *Arch. Mater. Sci.*; **25**, 311-320 (2004)

L. K. Varga, A. Slawska-Waniewska, A. Roig, K. Racka, É. Fazakas, J. Ferenc and T. Kulik: Microstructure and magnetic properties of $\text{Fe}_{81}\text{P}_{13}\text{Si}_2\text{Nb}_3\text{Cu}_1$ nanocrystalline alloy. *J. Magn. Magn. Mater.* **272-276**, 1360-1361 (2004)

2005

Bakonyi I; Atomic volumes and local structure of metallic glasses; *Acta. Mater.*; **53**, 2509-2520 (2005)

Bakonyi I, Kiss LF, Varga E, Varga LK; Magnetic properties of Ni-rich metastable Zr-Ni and Hf-Ni alloys; *Phys. Rev. B*; **71**, 014402/1-8 (2005)

Bakonyi I, Péter L, Weihnacht V, Tóth J, Kiss LF, Schneider CM; Giant magnetoresistance (GMR) in electrodeposited multilayer films: the influence of superparamagnetic regions; *J. Optoelect. Adv. Mater.*; **7**, 589-598 (2005)

Bárdos A, Lovas A, Roth S, Stoica M, Varga LK; Multicomponent magnetically soft alloy with high glass-forming ability and improved castability; *Czech. J. Phys.* **55**, 593-599 (2005)

A. Beya-Wakata, Hennigan PF, Gaál R, Mellor CJ, Williams FIB, Henini M; Microwave resonance susceptibility of a two-dimensional hole system in a weak random potential; *Phys. Rev. B*; **71**, 235319/1-7 (2005)

Blázquez JS, Fazakas É, Dimitrov H, Latuch J, Varga L, Kulik T; Effect of substitution of rare earth by mischmetal on the devitrification process of Al–X–Ni–Co (X = Y, Ce, Mm) alloys; *J. Non-Cryst. Sol.*; **351**, 158-166 (2005)

Bokor M, Bánki P, Lasanda G, Tompa K; ^1H NMR analysis of nuclear relaxation mechanisms in Pd-H and Pd-Ag-H alloys; *J. Alloy. Comp.*; **404-406**, 238-242 (2005)

- Bokor M, Csizmók V, Kovács D, Bánki P, Friedrich P, Tompa P, Tompa K; NMR relaxation studies on the hydrate layer of intrinsically unstructured proteins; *Biophysical Journal*; **88**, 2030-2037 (2005)
- Borondics F, Bokor M, Matus P, Tompa K, Pekker S, Jakab E; Reductive functionalization of carbon nanotubes; *Fullerenes, Nanotubes and Carbon Nanostructures*; **13**, 375-382 (2005)
- Csizmók V, Bokor M, Bánki P, Klement É, Medzihradský KF, Friedrich P, Tompa K, Tompa P; Primary contact sites in intrinsically unstructured proteins: the case of calpastatin and microtubule-associated protein 2; *Biochemistry*; **44**, 3955-3964 (2005)
- Kákay A, Varga LK; Monodomain critical radius for soft-magnetic fine particles; *J. Appl. Phys.*; **97**, 083901/1-4 (2005)
- Kamasa P, P. Myslinski P, Pyda M; Thermal expansivity of polystyrene determined by multi-frequency dilatometry; *Thermochim. Acta*; **433**, 93-97 (2005)
- Kane SN, Gupta A, Gercsi Zs, Mazaleyrat F, Varga LK; Mössbauer and magnetic studies of $(\text{Fe}_{100-x}\text{Co}_x)_{62}\text{Nb}_8\text{B}_{30}$ ($x = 0, 33, 50$) alloys; *J. Magn. Magn. Mater.*; **292**, 447-452 (2005)
- Lakatos-Varsányi M, Mikó A, Varga LK, Kálmán E; Electrodeposited magnetic multi-nanolayers; *Corrosion Science*; **47**, 681-693 (2005)
- Liu QX, Péter L, Pádár J, Bakonyi I; Ferromagnetic and superparamagnetic contributions in the magnetoresistance of electrodeposited Co-Cu/Cu multilayers; *J. Electrochem. Soc.*; **152**, C316-C323 (2005)
- Mikó A, Kuzmann E, Lakatos-Varsányi M, Kákay A, Nagy F, Varga LK; Mössbauer and XRD study of pulse plated Fe-P and Fe-Ni thin layers; *Hyperf. Int.*; **165**, 195-201 (2005)
- Mitróová Z, Mihalik M, Zentko A, Bokor M, Kamarás K, Kavečanský V, Kováč J, Csach K, Trpčevská J; Synthesis, structural and magnetic properties of $\text{TM}^{2+}_2 [\text{Mo}^{\text{IV}}(\text{CN})_8] \cdot n\text{H}_2\text{O}$; *Ceramics – Silikaty*; **49**, 181-187 (2005)
- Németh L, Kriza G, Matus P, Alavi B; NMR evidence of hidden order in the high-temperature phase of $(\text{TaSe}_4)_2\text{I}$. *J. Phys. IV (France)* **131**, 357-358 (2005)
- Pekker S, Kovács É, Oszlányi G, Benyei G, Klupp G, Bortel G, Jalsovszky I, Jakab E, Borondics F, Kamarás K, Bokor M, Kriza G, Tompa K, Faigel G; Rotor-stator molecular crystals of fullerenes with cubane; *Nature Materials*; **4**, 764-767 (2005)
- Révész Á, Cziráki Á, Lovas A, Pádár J, Lendvai J, Bakonyi I; Structure and thermal stability of a melt-quenched single-phase nanocrystalline $\text{Hf}_{61}\text{Fe}_{39}$ alloy; *Z. Metallkde.*; **96**, 874-878 (2005)
- Szabó S, Juhász R, Pogány L, Daróczi L, Beke DL; Excellent magnetic properties, domain and atomic structure of specially heat treated Finemet type materials; *Mater. Sci. Forum*; **473-474**, 477-482 (2005)
- Tóth J, Péter L, Bakonyi I, Tompa K; Peculiarities of the electrolytic hydrogenation of Pd as revealed by resistivity measurements; *J. All. Comp.*; **387**, 172-178 (2005)
- Vad K, Mészáros S, Sas B; Transverse and secondary voltages in $\text{Bi}_2\text{Sr}_2\text{CaCu}_2\text{O}_8$ single crystals; *Physica C*; **432**, 43-52 (2005)

2006

Bakonyi I; Metastable phases and nanocrystalline forming ability (NFA) of melt-quenched Ni-rich (Zr,Hf)-Ni alloys; *Int. J. Mater. Res.*; **97**, 471-474 (2006)

Cziráki Á, Péter L, Weihnacht V, Tóth J, Simon E, Pádár J, Pogány L, Schneider CM, Gemming T, Wetzig K, Tichy G, Bakonyi I; Structure and giant magnetoresistance behaviour of Co-Cu/Cu multilayers electrodeposited under various deposition conditions; *J. Nanosci. Nanotechnol.*; **6**, 2000-2012 (2006)

Gercsi Zs, Mazaleyrat F, Varga LK; High temperature soft magnetic properties of Co-doped nanocrystalline alloys; *J. Magn. Magn. Mater.*; **302**, 454-458 (2006)

Gutowski MW, Varga LK, Kákay A; Fast, Preisach-like characterization of hysteretic systems; *Physica B*; **372**, 76-78 (2006)

Kákay A, Szabó Zs, Kovács Gy, Varga LK; Temperature dependence of the Preisach function for ultrasoft nanocrystalline alloys; *Physica B*; **372**, 401-405 (2006)

Kamasa P, Myslinski P; Changes of thermal, mechanical and magnetic properties of an amorphous Fe₈₀Cr₅B₁₅ alloy during magnetic and structural phase transitions; *Centr. Eur. J. Phys.*; **4**, 178-186 (2006)

Kamasa P, Myslinski P, Pyda M; Experimental aspects of temperature-modulated dilatometry of polymers; *Thermochim. Acta*; **442**, 48-51 (2006)

Kane SN, F. Alves F, Gercsi Zs, Mazaleyrat F, Gupte S, Chiriac H, Vázquez M; Study of magnetoimpedance effect in Co-Fe-Si-B glass-covered microwires; *Sensors and Actuators A*; **129**, 216-219 (2006)

G. Klupp, P. Matus, D. Quintavalle, L.F. Kiss, É. Kovács, N.M. Nemes, K. Kamarás, S. Pekker, A. Jánosy; Phase segregation on the nanoscale in Na₂C₆₀; *Phys. Rev. B* **74**, 195402/1-7 (2006)

Kováč J, Zentková M, Bokor M, Mihalik M, Kavečanský V, Mitróová Z, Zentko A, Pekker Á, Kamarás K; Magnetic properties and ¹H NMR spectroscopy of TM₂²⁺[W^{IV}(CN)₈].nH₂O; *physica status solidi (c)*; **3**, 130-133 (2006)

Lovas A, Bárdos A, Kamasa P, Kovác J, Bán K; Annealing experiments on bulk amorphous alloys around the glass transition temperature; *J. Magn. Magn. Mater.*; **304**, e657-e659 (2006)

Matus P, Alloul H, Kriza G, Brouet V, Singer PM, Garaj S, Forró L; Influence of local fullerene orientation on the electronic properties of Na₂AC₆₀ (A=Cs,Rb,K) compounds. *Phys. Rev. B* **74**, 214509/1-11 (2006)

Péter L, Rolik Z, Kiss LF, Tóth J, Weihnacht V, Schneider CM, Bakonyi I; Temperature dependence of the giant magnetoresistance and magnetic properties in electrodeposited Co-Cu/Cu multilayers: the role of superparamagnetic regions; *Phys. Rev. B*; **73**, 174410/1-10 (2006)

Tompa P, Bánki P, Bokor M, Kamasa P, Kovács D, Lasanda G, Tompa K; Protein-water and protein-buffer interactions in the aqueous solution of an intrinsically unstructured plant dehydrin: NMR intensity and DSC aspects; *Biophysical Journal*; **91**, 2243-2249 (2006)

Vad K, Mészáros S, Nándori I, Sas B; Length-scale-dependent phase transition in Bi₂Sr₂CaCu₂O₈ single crystals; *Philos Mag*; **86**, 2115-2123 (2006)

Varga I, Pogány L, Hargitai C, Bakonyi I; Extracting domain wall patterns from SEM magnetic contrast images; *J. Magn. Magn. Mater.*; **302**, 405-412 (2006)

Varga LK, Gercsi Zs, Kovács Gy, Mazaleyra F; The influence of size on coercive field of ultra soft magnetic materials; *J. Magn. Magn. Mater.*; **301**, 527-531 (2006)

2007

Fazakas E, Varga LK; Glass-forming ability(GFA) of Cu and Al based alloys by melt-quenching; *J. Mater. Sci. Technol. (Bulgaria)*; **15**, 211-224 (2007)

Fazakas E, Varga LK, Mazaleyra F; Preparation of nanocrystalline Mn-Al-C magnets by melt spinning and subsequent heat treatments; *J. All. Comp.*; **434-435**, 611-613 (2007)

Kamasa P, Bokor M, Pyda M, Tompa K; DSC approach for the investigation of mobile water fractions in aqueous solutions of NaCl and Tris buffer; *Thermochim. Acta* **464**, 29-34 (2007)

Kane SN, Gercsi Zs, Mazaleyra F, Rodionov D, Bernhardt B, Klingelhöfer G; Surface analysis of Fe-Co-Nb-Cu-B metallic glasses using a miniaturised Mössbauer spectrometer 'MIMOS'; *J. Non-Cryst. Sol.*; **353**, 3587-3589 (2007)

Kane SN, Gercsi Zs, Mazaleyra F, Varga LK, Gupta A, Coisson M, Tiberto P, Vinai F, Celegato F; Influence of annealing on the high frequency magnetotransport properties of melt-spun Fe₃₁Co₃₁Nb₈B₃₀ alloys; *J. Non-Cryst. Sol.*; **353**, 3099-3102 (2007)

Katona GL, Berényi Z, Péter L, Vad K; Depth profile analysis of electrodeposited nanoscale multilayers by SNMS; *Vacuum* **82**, 270-273 (2007)

Kolano-Burian A, Varga LK, Kolano R, Kulik T, Szyrowski J; High-frequency soft magnetic properties of Finemet modified with Co; *J. Magn. Magn. Mater.*; **316**, e820-e822 (2007)

Mankovsky S, Bakonyi I, Ebert H; Magnetic susceptibility contributions and electronic density of states in (Ti,Zr)_{100-x}(Ni,Cu)_x metallic glasses and crystalline compounds; *Phys Rev. B*; **76**, 184405/1-15 (2007)

Matus P, Alloul H, Kriza G, Brouet V, Singer PM, Garaj S, Forró L: NMR evidence for C60 configurational fluctuations around Na sites in Na₂CsC₆₀. *J. Supercond. Novel Magn.* **20**, 155-159 (2007)

Mikó A, Takács M, Lakatos-Varsányi M, Varga LK; Pulse plated amorphous Fe-P thin layers for high frequency magnetic applications; *Mater Sci Forum*; **537-538**, 231-237 (2007)

Myslinski P, Kamasa P, Gilewicz A, Staskiewicz J: Detection of mechanical effects of adhesive thin films on substrate using the modulated-temperature dilatometry (MT DIL); *J. Therm. Anal. Calorim.* **88**, 737-740 (2007)

Péter L, Pádár J, Tóth-Kádár E, Cziráki Á, Sóki P, Pogány L, Bakonyi I; Electrodeposition of Co-Ni-Cu/Cu multilayers 1. Composition, structure and magnetotransport properties; *Electrochim. Acta*; **52**, 3813-3821 (2007)

Péter L, Katona GL, Berényi Z, Vad K, Langer GA, Tóth-Kádár E, Pádár J, Pogány L, Bakonyi I; Electrodeposition of Ni-Co-Cu/Cu multilayers 2. Calculations of the element distribution and experimental depth profile analysis; *Electrochim. Acta*; **53**, 837-845 (2007)

Péter L, Weihnacht V, Tóth J, Pádár J, Pogány L, Schneider CM, Bakonyi I; Influence of superparamagnetic regions on the giant magnetoresistance of electrodeposited Co-Cu/Cu multilayers; *J. Magn. Magn. Mater.*; **312**, 258-265 (2007)

Varga LK; Soft magnetic nanocomposites for high frequency and high temperature applications; *J. Magn. Magn. Mater.*; **316**, 442-447 (2007)

2008

I. Bakonyi, L. Péter, Z.E. Horváth, J. Pádár, L. Pogány and G. Molnár: Evolution of structure with spacer layer thickness in electrodeposited Co/Cu multilayers. *J. Electrochem. Soc.* **155**, D688-D692 (2008)

Bednarčík J, Kováč J, Roth S, Füzér J, Kollár P, Varga LK, Franz H; The soft magnetic properties and temperature stability of Co-Fe-Zr-B metallic glasses; *Acta Physica Polonica A* **113**, 83-86 (2008)

Bokor M, Matus P, Bánki P, Kriza G, Tompa K, Kováts É, Pekker S, Bényei G, Jalsovszky I; ^1H NMR spectrum and spin-lattice relaxation in $\text{C}_{60}\cdot\text{C}_8\text{H}_8$; *phys. stat. sol. (b)*; **245**, 2010–2012 (2008)

Bokor M, Tompa K, Kiss LF, Zentková M, Zentko A, Mihalik M, Mařaš S, Mitróová Z; ^1H NMR on $(\text{Ni}_x\text{Mn}_{1-x})_3[\text{Cr}(\text{CN})_6]_2\cdot n\text{H}_2\text{O}$; *Acta Physica Polonica A* **113**, 485-488 (2008)

F. Celegato, M. Coisson, S.N. Kane, F. Mazaleyrat, S.S. Modak, P. Tiberto, L.K. Varga, F. Vinai, Effect of annealing on magnetic and magnetotransport properties of $\text{Fe}_{84}\text{Zr}_{3.5}\text{Nb}_{3.5}\text{Cu}_1\text{B}_8$ ribbons. *phys. stat. sol. (a)* **205**, 1749-1752 (2008)

Fazakas É, Varga LK; Al-U based amorphous alloys obtained by melt spinning method; *Rev. Adv. Mater. Sci.* **18**, 494-496 (2008)

Jedlovsky P, Hantal G, Neurohr K, Picaud S, Hoang PNM, von Hessberg P, Crowley JN: Adsorption isotherm of formic acid on the surface of ice, as seen from experiments and grand canonical Monte Carlo simulation. *J. Phys. Chem. C* **112**, 8976-8987 (2008)

Justin Joseyphus R, Narayanasamy A, Varga LK, Jeyadevan B; Studies on the exchange and dipolar couplings in $\text{Nd}_2\text{Fe}_{14}\text{B}/\alpha\text{-Fe}$; *Int. J. Mater. Res.*; **99**, 70-74 (2008)

Kamasa P, Varga LK, Myslinski P, Rassolov SG, Maksimov V, Idzikowski B; Crystallization of amorphous Fe–Cr–B alloys investigated with high heating rates; *Materials Science-Poland*; **26**, 947-952 (2008)

Kane SN, Gercsi Zs, Mazaleyrat F, Varga LK, Coisson M, Tiberto P, Vinai F, Celegato F, Jeong YH; Influence of composition and thermal treatments on structural, magnetic and magnetotransport properties of $(\text{Fe}_{100-x}\text{Co}_x)_{78}\text{Si}_9\text{Nb}_3\text{B}_9\text{Cu}_1$ alloys; *J. Korean Phys. Soc.* **53**, 3634-3639 (2008)

Kane SN, Khinchi SS, Gercsi Zs, Gupta A, Varga LK, Mazaleyrat F; Structural studies of stress annealed $\text{Co}_{21}\text{Fe}_{64-x}\text{Nb}_x\text{B}_{15}$ alloys; *Rev. Adv. Mater. Sci.* **18**, 572-575 (2008)

Kane SN, Khinchi SS, Gercsi Zs, Gupta A, Varga LK, Mazaleyrat F, Jeong YH; Structural and magnetic investigation of amorphous and gradually devitrified nanocrystalline Fe-Co-Nb-Cu-B alloys, *J. Korean Phys. Soc.* **53**, 3629-3633 (2008)

Kiss LF, Kemény T, Bujdosó L, Bakonyi I, Baskoutas S, Pouloupoulos P, Kapaklis V, Politis C; Heterogeneous magnetism in Fe-doped bulk-amorphous and nanostructured Pd-based alloys; *J. Phys.: Cond. Matter*; **20**, 015211/1-8 (2008)

R. Kolano, A. Kolano-Burian, L.K. Varga, J. Szynewski, M. Polak: Co added FINEMET and NANOPERM alloys with flat hysteresis loops. *Rev. Adv. Mater. Sci.* **18**, 557-560 (2008)

- A. Kolano-Burian, R. Kolano, J. Szynowski, L.K. Varga: Induced magnetic anisotropy in Co-doped Finemet-type nanocrystalline materials. *J. Magn. Magn. Mater.* **320**, e758-e761 (2008)
- Lasanda G, Bánki P, Bokor M, Tompa K; ^1H NMR spectra and echoes in Pd-H and Pd-Ag-H alloys; *J. All. Comp.*; **450**, 22-27 (2008)
- S.S. Modak, N. Ghodke, F. Mazaleyrat, M. Lo Bue, L.K. Varga, A. Gupta, S.N. Kane: Structural and magnetic investigation of gradually devitrified Nanoperm alloys. *J. Magn. Magn. Mater.* **320**, e828-e832 (2008)
- Nagy E, Janovszky D, Svéda M, Tomolya K, Varga LK, Sólyom J, Roósz A; Investigation of crystallization in an amorphous Cu-based alloy by X-ray; *Mater. Sci. Forum* **589**, 131-136 (2008)
- Á. Pallinger, B. Sas, I. Pethes, K. Vad, F.I.B. Williams, G. Kriza: Breakdown of the Bardeen-Stephen law for free flux flow in $\text{Bi}_2\text{Sr}_2\text{CaCu}_2\text{O}_{8+\delta}$. *Phys. Rev. B* **78**, 104502/1-5 (2008)
- Szóllósi E, Bokor M, Bodor A, Perczel A, Klement É, Medzihradzsky KF, Tompa K, Tompa P; Intrinsic structural disorder of DF31, a Drosophila protein of chromatin decondensation and remodeling activities; *J. Proteome Res.* **7**, 2291-2299 (2008)
- J. Szynowski, R. Kolano, A. Kolano-Burian, L.K. Varga: Dynamic magnetic properties of the Fe-based alloys under non-sinusoidal excitation. *J. Magn. Magn. Mater.* **320**, e841-e843 (2008)
- J. Takács, Gy. Kovács, L.K. Varga: Decomposition of the hysteresis loops of nanocrystalline alloys below and above the decoupling temperature. *J. Magn. Magn. Mater.* **320**, e1016-e1019 (2008)
- J. Takács, Gy. Kovács, L.K. Varga: Hysteresis reversal. *Physica B* **403**, 2293-2297 (2008)
- Varga B, Fazakas E, Varga LK; Preparation of nanocrystalline $\text{Al}_{100-x}\text{Si}_x$ ($6 < x < 40$) based alloys by rapid solidification methods; *Metallurgia International*; **13**, 41-44 (2008)
- L.K. Varga, H.A. Davies: Challenges in optimizing the magnetic properties of bulk soft magnetic materials (panel discussion). *J. Magn. Magn. Mater.* **320**, 2411-2422 (2008)
- Varga LK, Kovács Gy; Separation of magnetization loop in domain wall movement and domain rotation contributions for soft magnetic materials; *Acta Physica Polonica A* **113**, 159-162 (2008)
- L.K. Varga, Gy. Kovács, J. Takács: Anhysteretic and biased first magnetization curves for Finemet-type toroidal samples. *J. Magn. Magn. Mater.* **320**, e814-e818 (2008)
- Varga LK, Kovács Gy, Takács J; Modeling the overlapping, simultaneous magnetization processes in ultrasoft nanocrystalline alloys; *J. Magn. Magn. Mater.*; **320**, L26-L29 (2008)

2009

- I. Bakonyi, E. Simon, B.G. Tóth, L. Péter, L.F. Kiss: Giant magnetoresistance in electrodeposited Co-Cu/Cu multilayers: origin of the absence of oscillatory behavior. *Phys. Rev. B* **79**, 174421/1-13 (2009)
- Balázs A, Csizmok V, Buday L, Rakács M, Kiss R, Bokor M, Udupa R, Tompa K, Tompa P; High levels of structural disorder in scaffold proteins as exemplified by a novel neuronal protein, CASK-interactive protein1; *FEBS Journal* **276**, 4168-4180 (2009)

- A. Bartók, A. Csik, K. Vad, Gy. Molnár, E. Tóth-Kádár, L. Péter: Application of surface roughness data for the evaluation of depth profile measurements of nanoscale multilayers. *J. Electrochem. Soc.* **156**, D253-D260 (2009)
- A. Csík, K. Vad, G.A. Langer, G.L. Katona, E. Tóth-Kádár, L. Péter: Analysis of Co/Cu multilayers by SNMS reverse depth profiling. *Vacuum* **84**, 141-143 (2009)
- A. Csik, K. Vad, E. Tóth-Kádár, L. Péter: Spontaneous near-substrate composition modulation in electrodeposited Fe-Co-Ni alloys. *Electrochemistry Commun.* **11**, 1289-1291 (2009)
- Dégi J, Abart R, Török K, Rhede D, Petrishcheva E.; Evidence for xenolith-host basalt interaction from chemical patterns in Fe-Ti-oxides from mafic granulite xenoliths of the Bakony-Balaton Volcanic field (W-Hungary); *Mineralogy and Petrology*; **95**, 219-234 (2009)
- E. Fazakas, S. N. Kane, K. Lazar and L.K. Varga: Mössbauer study of rapidly solidified Al-Fe based amorphous alloys. *Hyperf. Int.* **189**, 119-123 (2009)
- E. Fazakas, K. Russew, L. Stojanova, A. Csanady, L. K. Varga: Al₈₅Ta₆Ni₉, a refractory Al-rich ternary alloy glass and its crystallization kinetics. *J. Phys.: Conf. Series* **144**, 012100/1-4 (2009)
- Fazakas É, Varga B, Varga LK; Study of amorphous-crystalline phase transformations by dilatometer in the case of Al₈₈Y₇Fe₅ and Al₈₈Y₇Fe₄Sb₁ amorphous alloys; *Metalurgia (Romania)*; **61**(10), 5-7 (2009)
- Fazakas É, Varga B, Varga LK; Bulk amorphous and nanocrystalline aluminium based alloys obtained by hot pressure consolidation; *J. Optoelect. Adv. Mater. – Symposia*; **1**, 983-985 (2009)
- J. García-Torres, L. Péter, Á. Révész, L. Pogány, I. Bakonyi: Preparation and giant magnetoresistance in electrodeposited Co-Ag/Ag multilayers. *Thin Solid Films* **517**, 6081-6090 (2009)
- P. Henits, Zs. Kovács, L.K. Varga, Á. Révész: Nanocrystallization in Al₈₅Ce₈Ni₅Co₂ amorphous alloy induced by heat treatment and severe plastic deformation. *J. Phys.: Conf. Series* **144**, 012095/1-4 (2009)
- S.N. Kane, F. Alves, A. Gupta, P. Gupta, L.K. Varga: Study of rapid stress annealed nanocrystalline Fe_{74.5}Cu₁Nb₃Si_{15.5}B₆ alloy. *Hyperf. Int.* **191**, 47-53 (2009)
- S.N. Kane, S.S. Khinchi, F. Mazaleyrat, Z. Gercsi, A. Gupta, L. K. Varga: Study of structural and magnetic properties of Co-substituted (Fe_{100-x}Co_x)₇₈Si₉Nb₃B₉Cu₁ alloys. *J. Phys.: Conf. Series* **144**, 012078/1-4 (2009)
- S.N. Kane, H.J. Lee, Y.H. Jeong, L.K. Varga: Cast iron (CI) based soft magnetic BMG $\text{Fe}_{88.3}\text{Al}_2\text{Ga}_1\text{P}_{4.35}\text{B}_{4.35}$. *J. Phys.: Conf. Series* **144**, 012040/1-4 (2009)
- S.N. Kane, H.J. Lee, S.B. Kim, Y.H. Jeong, S.W. Hyun, C.S. Kim, L. K. Varga: Effects of B and P content on structural and magnetic properties of cast iron based amorphous alloys. *Hyperf. Int.* **191**, 109-113 (2009)
- A. Kolano-Burian, R. Kolano, L.K. Varga: Magnetically induced anisotropy in Co rich Finemet type nanocrystalline alloys. *J. All. Comp.* **483**, 560-562 (2009)
- G. Kriza, Á. Pallinger, B. Sas, I. Pethes, K. Vad, F.I.B. Williams: Bardeen–Stephen flux flow law disobeyed in Bi₂Sr₂CaCu₂O_{8+δ}. *Physica B* **404**, 510-512 (2009)
- L. Malicskó, L. Pogány, A.L. Tóth, V. Horváth, E. Beregi: Microscopic studies on imperfections in selected YAB single crystals. *Cryst. Res. Technol.* **44**, 425–432 (2009)

- Matus P, Bokor M, Kriza G, Kovács É, Pekker S, Domján A, Durkó G, Jalsovszky I: ^{13}C NMR investigation of cubane-fullerene $\text{C}_{60}\cdot\text{C}_8\text{H}_8$ cocrystals; *phys. stat. sol. (b)*; **246**, 2764-2766 (2009)
- A. Pallinger, B. Sas, G. Kriza, K. Vad, L. Forró, H. Berger, F. Portier, F.I.B. Williams: Metastability of two-dimensional vortex glass in $\text{Bi}_2\text{Sr}_2\text{CaCu}_2\text{O}_{8+\delta}$. *Phys. Rev. B* **80**, 024206/1-6 (2009)
- D. Rafaja, C. Schimpf, V. Klemm, G. Schreiber, I. Bakonyi, L. Péter: Formation of microstructural defects in electrodeposited Co/Cu multilayers. *Acta Mater.* **57**, 3211-3222 (2009)
- K. Russew, L. Stojanova, L.K. Varga, E. Fazakas, S. Yankova: Glass forming ability and thermal behavior of binary Co-Zr amorphous alloys. *J. Mater. Sci. Technol.* **17**, 29-36 (2009)
- K. Russew, L. Stojanova, S. Yankova, E. Fazakas, L.K. Varga: Thermal behavior and melt fragility number of $\text{Cu}_{100-x}\text{Zr}_x$ glassy alloys in terms of crystallization and viscous flow. *J. Phys.: Conf. Series* **144**, 012094/1-4 (2009)
- Tompa K, Bánki P, Bokor M, Kamasa P, Lasanda G, Tompa P; Interfacial water at protein surfaces: wide-line NMR and DSC characterization of hydration in ubiquitin solutions; *Biophysical Journal*; **96**, 2789-2798 (2009)
- Vad K, Hakl J, Csik A, Mészáros S, Kis-Varga M, Langer GA, Pallinger Á, Bódog M; Application of secondary neutral mass spectrometry in the investigation of doped perovskites; *Vacuum*; **84**, 144-146 (2009)
- B. Varga, E. Fazakas, H. Hargitai, L.K. Varga: Dilatometer study of rapidly solidified aluminium-silicon based alloys. *J. Phys.: Conf. Series* **144**, 012105/1-4 (2009)
- B. Varga, E. Fazakas, L.K. Varga: Preparation and structural characterization of rapidly solidified Al-Si. *Bulletin of the Transylvania University of Brasov, Series I*, **2(51)**, 223-230 (2009)

2010

- I. Bakonyi, L. Péter: Electrodeposited multilayer films with giant magnetoresistance (GMR): progress and problems. *Progr. Mater. Sci.* **55**, 107-245 (2010)
- J. Dégi, R. Abart, K. Török, E. Bali, R. Wirth, D. Rhede: Symplectite formation during decompression induced garnet breakdown in lower crustal mafic granulite xenoliths: mechanisms and rates. *Contrib. Mineral. Petrol.* **159**, 293-314 (2010)
- Fazakas É, Csanády Á, Varga B, Crisan A, Varga LK; Aluminium based nanocrystalline alloy coatings by thermal spray processes; *Metalurgia International*; **15(12)**, 19-23 (2010)
- P. Henits, Á. Révész, E. Schafler, P.J. Szabó, J.L. Lábár, L.K. Varga, Zs. Kovács: Correlation between microstructural evolution during high-pressure torsion and isothermal heat treatment of amorphous $\text{Al}_{85}\text{Gd}_8\text{Ni}_5\text{Co}_2$ alloy. *J. Mater. Res.* **25**, 1388-1397 (2010)
- P. Henits, Zs. Kovács, E. Schafler, L.K. Varga, J.L. Lábár, Á. Révész: Nanocrystallization in $\text{Al}_{85}\text{Ce}_8\text{Ni}_5\text{Co}_2$ amorphous alloy obtained by different strain rate during high pressure torsion. *J. All. Comp.* **504**, Suppl. 1, S91-S94 (2010)
- S. Hóbor, Zs. Kovács, A.P. Zhilyaev, L.K. Varga, P.J. Szabó, Á. Révész; High pressure torsion of Cu-based metallic glasses; *J. Phys.: Conf. Series*; **240**, 012153/1-4 (2010)

Michalik S, Bednarcik J, Jóvári P, Honkimäki V, Webb A, Franz H, Fazakas É, Varga LK; Modelling the atomic structure of Al₉₂U₈ metallic glass; *J. Phys.: Cond. Matter* **22**, 404209/1-6 (2010)

Péter L, Csik A, Vad K, Tóth-Kádár E, Pekker Á, Molnár G; On the composition depth profile of electrodeposited Fe-Co-Ni alloys; *Electrochim. Acta* **55**, 4734-4741 (2010)

Á. Révész, Zs. Kánya, T. Verebélyi, P.J. Szabó, A.P. Zhilyaev, T. Spassov: The effect of high-pressure torsion on the microstructure and hydrogen absorption kinetics of ball-milled Mg₇₀Ni₃₀. *J. All. Comp.* **504**, 83-88 (2010)

Á. Révész, Zs. Kovács, P.J. Szabó, E. Schafner, L.K. Varga, S. Hóbor; High pressure torsion of binary Cu_{64.5}Zr_{35.5} alloy; *phys. stat. sol. (a)* **207**, 1185–1189 (2010)

R. Ristić, E. Babić, D. Pajić, K. Zadro, A. Kuršumović, I.A. Figueroa, H.A. Davies, I. Todd, L. K. Varga, I. Bakonyi: Properties and atomic structure of amorphous early transition metals. *J. All. Comp.* **504**, Suppl. 1, S194-S197 (2010)

Srivastava SK, Srivastava VK, Joshi A, Kamasa P, Varga LK, Khovaylo VV, Chatterjee R; A low temperature anomaly observed in off-stoichiometric Ni-Mn-Ga system studied by higher harmonic ac-susceptibility measurements; *App. Phys. Lett.* **97**, 122505/1-3 (2010)

J. Takács, Gy. Kovács, L.K. Varga: Modeling the Steinmetz's law for soft steel. *Eur. Phys. J. Appl. Phys.* **51**, 20801/1-3 (2010)

K. Tompa, P. Bánki, M. Bokor, P. Kamasa, P. Rácz, P. Tompa: Hydration water/interfacial water in crystalline lens. *Exp. Eye Res.* **91**, 76-84 (2010)

B.G. Tóth, L. Péter, Á. Révész, J. Pádár, I. Bakonyi: Temperature dependence of the electrical resistivity and the anisotropic magnetoresistance (AMR) of electrodeposited Ni-Co alloys. *Eur. Phys. J. B* **75**, 167-177 (2010)

Varga B, Fazakas É, Varga LK; Dilatometer study of aluminium-silicon based alloys with metastable structures; *Materials Science Forum*; **649**, 529-532 (2010)

Zih-Perényi K, Neuróhr K, Nagy G, Balla M, Lásztity A; Selective extraction of traffic-related antimony compounds for speciation analysis by graphite furnace atomic absorption spectroscopy; *Spectrochim. Acta B* **65**, 847-851 (2010)

2011

D. Beke, Zs. Szekrényes, I. Balogh, M. Veres, É. Fazakas, L. K. Varga, K. Kamarás, Zs. Czigány, Á. Gali: Characterization of luminescent silicon carbide nanocrystals prepared by reactive bonding and subsequent wet chemical etching. *Applied Physics Letters* **99**, 213108/1-3 (2011)

É. Fazakas, A. Erős, Á. Csanády, G. Gulyás, P. Kamasa, L.K. Varga: Formation of amorphous state by ball milling and mechanical crystallization in Al-Ti-Ni alloy system. *IOP Conf. Series: Mater. Sci. Eng.* **27**, 012081/1-4 (2011)

É. Fazakas, B. Varga, A. Erős, L. K. Varga: Structure of amorphous and nanocrystalline Al-based alloys obtained by mechanical alloying and high pressure compaction. *Metalurgia International* **16**(11), 147-149 (2011)

S. Gautam, S.N. Kane, B.G. Park, J.Y. Kim, L.K. Varga, J.H. Song, K.H. Chae: XAS and XMCD studies of amorphous FeCo-based ribbons. *J. Non-Cryst. Sol.* **357**, 2228-2231 (2011)

E. Hazy, M. Bokor, L. Kalmár, A. Gelencsér, P. Kamasa, K-H. Han, K. Tompa, P. Tompa: Distinct hydration properties of wild-type and familial point mutant A53T of α -synuclein associated with Parkinson's disease. *Biophysical Journal* **101**, 2260-2266 (2011)

P. Henits, Á. Révész, L.K. Varga, Zs. Kovács: The evolution of the microstructure in amorphous $\text{Al}_{85}\text{Ce}_8\text{Ni}_5\text{Co}_2$ alloy during heat treatment and severe plastic deformation: A comparative study. *Intermetallics* **19**, 267-275 (2011)

Kiss LF, Franco V, Csontos M, Péter L, Conde CF, Conde A, Kemény T, Tóth J, Varga LK, Bakonyi I; Analysis of the magnetoresistance contributions in a nanocrystallized Cr-doped FINEMET alloy; *J. Magn. Magn. Mater.* **323**, 699-707 (2011)

K. Neuróhr, A. Csik, K. Vad, A. Bartók, G. Molnár, L. Péter: Composition depth profile analysis of electrodeposited alloys and metal multilayers: the reverse approach. *J. Solid State Electrochem.* **15**, 2523-2544 (2011)

Péter L; Comment on "Magnetoresistance of CoNiCu/Cu Multilayers Electrodeposited from Electrolytes with Different Ni ion concentrations" (*J. Electrochem. Soc.* **157**(10) D538-D545 (2010).); *J. Electrochem. Soc.* **158**, S1-S2 (2011)

D. Rafaja, C. Schimpf, T. Schucknecht, V. Klemm, L. Péter, I. Bakonyi: Microstructure formation in electrodeposited Co-Cu/Cu multilayers with GMR effect: influence of current density during the magnetic layer deposition. *Acta Mater.* **59**, 2992-3001 (2011)

Á. Révész, P. Szommer, P.J. Szabó, L.K. Varga: Microstructure and morphology of Cu-Zr-Ti coatings produced by thermal spray and treated by surface mechanical attrition. *J. All. Comp.* **509**, Suppl. 1, S482-S485 (2011)

R. Ristić, E. Babić, M. Stubičar, A. Kuršumović, J.R. Cooper, I.A. Figueroa, H.A. Davies, I. Todd, L.K. Varga, I. Bakonyi: Simple correlation between mechanical and thermal properties in TE-TL (TE=Ti,Zr,Hf; TL=Ni,Cu) amorphous alloys. *J. Non-Cryst. Sol.* **357**, 2949-2953 (2011)

S.K. Srivastava, V. K. Srivastava, L.K. Varga, V.V. Khovaylo, R. Kainuma, M. Nagasako, R. Chatterjee: Systematic study of structural, transport, and magnetic properties of $\text{Ni}_{52+x}\text{Mn}_{26-x}\text{Al}_{22}$ ($1 \leq x \leq 5$) melt-spun ribbons. *J. Appl. Phys.* **109**, 083915/1-8 (2011)

Stoica M, Bárdos A, Roth S, Varga LK, Schultz L, Lovas A, Eckert J; Improved synthesis of bulk metallic glasses by current-assisted copper mold casting; *Adv. Eng. Mater.* **13**, 38-42 (2011)

B.G. Tóth, L. Péter, I. Bakonyi: Magnetoresistance and surface roughness study of the initial growth of electrodeposited Co/Cu multilayers. *J. Electrochem. Soc.* **158**, D671-D680 (2011)

2012

Bakonyi I: Relevance of Fe atomic volumes for the magnetic properties of Fe-rich metallic glasses. *J. Magn. Magn. Mater.* **324**, 3961-3965 (2012); DOI: 10.1016/j.jmmm.2012.07.003

R. Caballero-Flores, V. Franco, A. Conde, L.F. Kiss, L. Péter, I. Bakonyi: Magnetic multilayers as a way to increase the magnetic field responsiveness of magnetocaloric materials. *J. Nanosci. Nanotechnol.* **12**, 7432-7436 (2012); DOI:10.1166/jnn.2012.6521

S. Esmaili, M.E. Bahrololoom, L. Péter: Magnetoresistance of electrodeposited NiFeCu alloys. *Thin Solid Films* **520**, 2190-2194 (2012)

Fazakas É, Varga B, Varga LK: Study of amorphous-crystalline phase transformations by DSC and dilatometer in the case of Al-based amorphous alloys. *ISRN Metallurgy* **2012**, 602108/1-602108/4 (2012)

M. Jafari Fesharaki, G.R. Nabiyouni, J. Dégi, L. Pogány, Á. Révész, I. Bakonyi, L. Péter: Anomalous codeposition of cobalt and ruthenium from chloride-sulfate baths. *J. Solid State Electrochem.* **16**, 715-722 (2012)

M. Jafari Fesharaki, L. Péter, T. Schucknecht, D. Rafaja, J. Dégi, L. Pogány, K. Neuróhr, É. Széles, G. Nabiyouni, I. Bakonyi: Magnetoresistance and structural study of electrodeposited Ni-Cu/Cu multilayers. *J. Electrochem. Soc.* **159**, D162-D171 (2012)

S.N. Kane, K. Singh, N. Ghodke, A. Gupta, L.K. Varga: On the optimization of soft magnetic properties of high B_s $Fe_{83.7}B_{14.8}Cu_{1.5}$ nanocrystalline alloy. *J. Phys.: Conf. Series* **365**, 012015/1-4 (2012); International Conference on Recent Trends in Physics (ICRTP 2012); doi: 10.1088/1742-6596/365/1/012015

Kane SN; Tripathi S; Coisson M; Olivetti ES; Tiberto P; Vinai F; Baricco M; Fiore G; Apolinário A; Sousa CT; Araujo JP; Varga LK; Microstructure and magnetic properties of $(Fe_{100-x}Co_x)_{84.5}Nb_5B_{8.5}P_2$ alloys; *J. All. Comp.*; **536**, Suppl. 1, S337-S341 (2012)

Kuzmann E, Stichleutner S, Sági A, Varga LK, Havancsák K, Skuratov V, Homonnay Z, Vértes A; Mössbauer study of FINEMET type nanocrystalline ribbons irradiated with swift heavy ions; *Hyperf. Int.* **207**, 73-79 (2012); DOI 10.1007/s10751-011-0431-4

Neuróhr K; Dégi J; Pogány L; Bakonyi I; Ungvári D; Vad K; Hakl J; Révész Á; Péter L: Composition, morphology and electrical transport properties of Co-Pb electrodeposits. *J. All. Comp.* **545**, 111-121 (2012); DOI: 10.1016/j.jallcom.2012.07.152

Á. Révész, Á. Kis-Tóth, L.K. Varga, E. Schafner, I. Bakonyi, T. Spassov: Hydrogen storage of melt-spun amorphous $Mg_{65}Ni_{20}Cu_5Y_{10}$ alloy deformed by high-pressure torsion. *Int. J. Hydr. Energy*; **37**, 5769-5776 (2012)

Révész Á, Péter L, Szabó PJ, Szommer P, Bakonyi I; Microstructure and morphology of electrodeposited Ni-P alloys treated by high-energy surface mechanical attrition. *Current Applied Physics* **12**, 109-114 (2012)

Stojanova L, Russev K, Fazakas E, Varga LK: Thermo-mechanical study of rapidly solidified amorphous alloys $Al_{85}Ni_5Co_2RE_8$. *J. All. Comp.* **540**, 192-197 (2012)

Szász K, Bakonyi I: Modeling the magnetoresistance vs. field curves of GMR multilayers with antiferromagnetic and/or orthogonal coupling by assuming single-domain state and coherent rotations. *J. Spintron. Magn. Nanomater.* **1**, 157-167 (2012)

J. Takács, Gy. Kovács, L.K. Varga: The external demagnetizing factor and the static characteristic loop. *Physica B* **407**, 2434-2437 (2012)

Takács J, Kovács Gy, Varga LK; Internal demagnetizing factor in ferrous metals; *Journal of Metallurgy*, **2012**, 752871/1-5 (2012)

J. Takács, Gy. Kovács, L.K. Varga: The static characteristic loop and the external demagnetizing factor. *Materials Sciences and Applications* **3**, 684-689 (2012)

Varga B, Fazakas E, Varga LK: Analysis of quasicrystal generation in conventionally solidified Al-Cu-Fe alloys. *Metalurgia International* **17**, 27-30 (2012)

Varga B, Fazakas E, Varga LK: Prediction guide for a multi-component alloy structure. *Metalurgia International* **17**, 53-57 (2012)

L.K. Varga, Gy. Kovács; Effect of transversal applied bias field on the longitudinal soft magnetic properties of nanocrystalline Finemet cores. *IEEE. Trans. Magn.* **48**, 1360-1362 (2012)

1961

E. Nagy, I. Nagy, J. Tóth: Kinetik der Entstehung der geordneten Phase in der Cu₃Au-Legierung. In: *Festkörperphysik* (Akademie-Verlag, Berlin, 1961), pp. 157-168.
(Proceedings of the conference "Tagung der ELFT in Gemeinschaft mit der Physikalischen Gesellschaft in der DDR, Balatonfüred, 1959")

L. Pál, T. Tarnóczi: Untersuchung von Ordnungsprozessen in Eisen-Aluminiumlegierungen. In: *Festkörperphysik* (Akademie-Verlag, Berlin, 1961), pp. 170-181.
(Proceedings of the conference "Tagung der ELFT in Gemeinschaft mit der Physikalischen Gesellschaft in der DDR, Balatonfüred, 1959")

1965

L. Pál, T. Tarnóczi, P. Szabó, E. Krén, J. Tóth: Investigation of the antiferromagnetic-ferromagnetic transformation in iron-rhodium alloys. In: *Proc. Int. Conf. on Magnetism (Nottingham, 1964)*. The Institute of Physics and The Physical Society (London, 1965), pp. 158-161.

1970

K. Tompa: Oscillation of conduction electron density near the solute atoms in dilute Cu - Mn alloy. In: *Proc. 12th Int. Conf. on Low Temperature Physics (Kyoto, 1970)*, pp. 783-784.

1971

L. Cser, G. Konczos, D.L. Nagy, Yu.M Ostanevich, L. Pál: Investigation of the local behaviour of the DO₃ type ordered FeAl alloys. In: *Proc. Int. Conf. Appl. of the Mössbauer Effect (Tihany, Hungary, 1969)*. (Akadémiai Kiadó, Budapest, 1971), pp. 419-425.

1973

I. Eördögh, P. Horváth, I. Nagy(= I. Bakonyi) and F.I. Tóth: Apparatus for investigating digit and word current characteristics, switching time and life-time of plated memory wires. In: *Proc. Int. Conf. on Modern Equipments of Solid State Research (Budapest, 1973)*, pp. 1-13.

1974

M.A. Adawi, C. Hargitai, E. Kovács-Csetényi, K. Tompa: NMR in dilute ternary Al-Me₁-Me₂ and Al-Me-v systems. In: *Proc. 18th Ampere Congress (Nottingham, 1974)*. Eds. P.S. Allen, E.R. Andrew, C.A. Bates (Nottingham Ampere Committee, Nottingham, 1974), Vol. 2, 337-338

L. Varga, K. Tompa, F. Tóth: Rotating frame NMR of ⁵⁷Fe in pure and doped iron. In: *Proc. 18th Ampere Congress (Nottingham, 1974)*. Eds. P.S. Allen, E.R. Andrew, C.A. Bates (Nottingham Ampere Committee, Nottingham, 1974), Vol. 1, pp. 79-80

1975

L. Varga, K. Tompa, É. Kisdi-Koszó: Magnetization process and FNR in iron sheets. In: *Proc. 2nd Conf. on Soft Magnetic Materials (Wolfson Centre for Magnetism Technology, Cardiff, 1975)*, pp. 68-72.

1976

K. Tompa, P. Rácz: Proton relaxation in normal and cataractous crystalline lenses. In: *Proc. XIXth AMPERE Congress (Heidelberg, 1976)*, pp. 341-344.

T. Tarnóczi, I. Nagy, G. Mezey, T. Nagy, E. Kótai, G. Pető: $^4\text{He}^+$ backscattering investigation on sputtered Gd-Co amorphous films. In: *Comptes Rendus du 2^e éme Coll. Int. sur la Pulverisation Cathodique et ses Applications (Nice, 1976)*. Soc. Francaise du Vide, Paris (1976), pp. 141-145.

1978

I. Bakonyi: Magnetization curves of uniaxial materials with shape anisotropy. In: *Proc. 3rd Int. Conf. on Soft Magnetic Materials. (Bratislava, 1977)*. Eds. O. Benda, I. Mayer and J. Slama (Czechoslovak Union of Mathematicians and Physicists, Bratislava, 1978), Pt. 2, pp. 521-529

Á. Cziráki, F. Schuster, C. Hargitai: "In situ" electron microscopic investigation of the structure of metallic glasses. In: *Veröffentlichungen zur 9. Tagung "Elektronenmikroskopie" (Dresden, 1978)*, pp. 173-174 and p. A71.

C. Hargitai, A. Lovas: Dependence of magnetic properties on the composition in a binary metallic glass system: iron-boron. In: *Proc. 3rd Int. Conf. on Soft Magnetic Materials. (Bratislava, 1977)*. Eds. O. Benda, I. Mayer and J. Slama (Czechoslovak Union of Mathematicians and Physicists, Bratislava, 1978), Pt. 2, pp. 564-572.

T. Kemény, B. Fogarassy and E. Kádár: Crystallization kinetics of metallic glasses. In: *Proc. 3rd Int. Conf. on Soft Magnetic Materials. (Bratislava, 1977)*. Eds. O. Benda, I. Mayer and J. Slama (Czechoslovak Union of Mathematicians and Physicists, Bratislava, 1978), Pt. 1, pp. 201-208.

L. Takács: Mössbauer investigation of ferromagnetic metallic glasses. In: *Proc. 3rd Int. Conf. on Soft Magnetic Materials. (Bratislava, 1977)*. Eds. O. Benda, I. Mayer and J. Slama (Czechoslovak Union of Mathematicians and Physicists, Bratislava, 1978), Pt. 2, pp. 756-762.

T. Tarnóczi, I. Nagy, M. Hossó: High temperature magnetic analysis of metallic glasses. In: *Proc. 3rd Int. Conf. on Soft Magnetic Materials. (Bratislava, 1977)*. Eds. O. Benda, I. Mayer and J. Slama (Czechoslovak Union of Mathematicians and Physicists, Bratislava, 1978), Pt. 2, pp. 573-579.

J. Tóth: Resistivity of iron-boron amorphous alloys in magnetic field at low temperatures. In: *Proc. 3rd Int. Conf. on Soft Magnetic Materials. (Bratislava, 1977)*. Eds. O. Benda, I. Mayer and J. Slama (Czechoslovak Union of Mathematicians and Physicists, Bratislava, 1978), Pt. 2, pp. 560-563.

1979

I. Bakonyi, K. Tompa, E. Tóth-Kádár and A. Lovas: Knight shift and nuclear relaxation times in amorphous Ni-P and Cu-Ni-P alloys. In: *Magnetic Resonance and Related Phenomena. Proc. XXth Congress AMPERE (Tallinn, 1978)*. Eds. E. Kundla, E. Lippmaa and T. Saluvere (Springer-Verlag, Berlin, 1979), pp. 437.

I. Pócsik, K. Tompa: Nuclear spin lattice relaxation time in crystalline and nematic DP-PBB and DCI-PBB. In: *Magnetic Resonance and Related Phenomena. Proc. XXth Congress AMPERE (Tallinn, 1978)*. Eds. E. Kundla, E. Lippmaa and T. Saluvere (Springer-Verlag, Berlin, 1979), pp. 450.

L. Pogány, F. Pászti: REM Untersuchungen an mit Helium-Ionen (3.52 MeV 4He^+) beschossenen Gold Oberflächen. In: *Veröffentlichungen zur IX. Tagung Elektronenmikroskopie (Leipzig, 1979)*, pp.

P. Rácz, I. Pócsik, K. Tompa: The state of water in eye lenses. In: *Magnetic Resonance and Related Phenomena. Proc. XXth Congress AMPERE (Tallinn, 1978)*. Eds. E. Kundla, E. Lippmaa and T. Saluvere (Springer-Verlag, Berlin, 1979), pp. 535-

L. Varga: Untersuchung einiger der zur zerstörungsfreien Kontrolle der Einsatzhartungstiefe angewandeten physikalischen Methoden. In: *Proc. VIIth International Symp. on physical metall. and heat treatment (Bucharest, 1979)*, Vol. 3, pp. 729-737.

1980

I. Bakonyi, K. Tompa, E. Tóth-Kádár and A. Lovas: NMR linewidth study in amorphous Ni-P and Cu-Ni-P alloys. In: *Proc. Conf. on Amorphous Metallic Materials (Smolenice, 1978)*. Eds. P. Duhaj and P. Mrafko (VEDA Publishing House, Bratislava, 1980), pp. 37-41.

K.Z. Balla, C. Hargitai, É. Kisdi-Koszó, A. Lovas, J. Takács, J. Király: Correlation between the technological parameters and the geometric, mechanical and magnetic properties of $\text{Fe}_{83}\text{B}_{17}$ metallic ribbons. In: *Proc. Conf. on Amorphous Metallic Materials (Smolenice, 1978)*. Eds. P. Duhaj and P. Mrafko (VEDA Publishing House, Bratislava, 1980), pp. 43-48.

Z. Frait, I. Nagy, T. Tarnóczy: Ferromagnetic relaxation in amorphous Gd-Co thin films. In: *Proc. Conf. on Amorphous Metallic Materials (Smolenice, 1978)*. Eds. P. Duhaj and P. Mrafko (VEDA Publishing House, Bratislava, 1980), pp. 153-157.

J. Pietrzak, J. Kasprzak, P. Kamasa, G. Kienitz: A pulsed nuclear quadrupole resonance spectrometer. In: *Proc. Conf. Radio- and Microwaves Spectroscopy (Poznań 1979)*, pp. 117-121. A. Mickiewicz Univ. Series Sci. Physics **40**, 355- (1980).

L. Takács: Comparison of some structural models for metallic glasses. In: *Proc. Conf. on Amorphous Metallic Materials (Smolenice, 1978)*. Eds. P. Duhaj and P. Mrafko (VEDA Publishing House, Bratislava, 1980), pp. 323-327.

K. Tompa: General review on NMR in amorphous metallic alloys. In: *Proc. Conf. on Amorphous Metallic Materials (Smolenice, 1978)*. Eds. P. Duhaj and P. Mrafko (VEDA Publishing House, Bratislava, 1980), pp. 329-344.

J. Tóth: An isothermal crystallization study of the Fe-B system. In: *Proc. Conf. on Amorphous Metallic Materials (Smolenice, 1978)*. Eds. P. Duhaj and P. Mrafko (VEDA Publishing House, Bratislava, 1980), pp. 345-349.

1981

E. Babic, Z. Marohnic, B. Fogarassy, T. Kemény, A. Lovas: Resistivity minima in $(\text{Fe}_x\text{Ni}_{1-x})_{75}\text{B}_{25}$ metallic glasses. In: *Proc. Conf. on Metallic Glasses: Science and Technology (Budapest, 1980)*. Eds. C. Hargitai, I. Bakonyi and T. Kemény (Central Research Institute for Physics, Budapest, 1981), Vol. 1, pp. 389-397.

I. Bakonyi, I. Kovács, A. Lovas, L. Takács, K. Tompa and L. Varga: ^{31}P NMR measurements on rapidly quenched $(\text{Ni}_{1-x}\text{Cu}_x)_{80}\text{P}_{20}$ metallic glasses. In: *Proc. Conf. on Metallic Glasses: Science and Technology (Budapest, 1980)*. Eds. C. Hargitai, I. Bakonyi and T. Kemény (Central Research Institute for Physics, Budapest, 1981), Vol. 1, pp. 261-266

- I. Bakonyi, I. Kovács, L. Varga, T. Bagi, A. Lovas, E. Tóth-Kádár and K. Tompa: ^{31}P NMR parameters of amorphous Ni-P alloys prepared by different methods. In: *Proc. Conf. on Metallic Glasses: Science and Technology (Budapest, 1980)*. Eds. C. Hargitai, I. Bakonyi and T. Kemény (Central Research Institute for Physics, Budapest, 1981), Vol. 1, pp. 165-171;
- J. Farkas, L. Kiss, A. Lovas, P. Kovács, E. Géczi: Electrochemical corrosion of $\text{Fe}_{1-x}\text{B}_x$ metallic glasses. In: *Proc. Conf. on Metallic Glasses: Science and Technology (Budapest, 1980)*. Eds. C. Hargitai, I. Bakonyi and T. Kemény (Central Research Institute for Physics, Budapest, 1981), Vol. 2, pp. 367-374.
- F. Forgács, F. Hajdu, E. Sváb, J. Takács: Structure of $\text{Ni}_{60}\text{Nb}_{40}$ metallic glass studied by combined X-ray and neutron diffraction. In: *Proc. Conf. on Metallic Glasses: Science and Technology (Budapest, 1980)*. Eds. C. Hargitai, I. Bakonyi and T. Kemény (Central Research Institute for Physics, Budapest, 1981), Vol. 1, pp. 283-289.
- L. Gránásy, A. Lovas, T. Kemény: The influence of thermal history on the physical properties of Fe-B metallic glasses. In: *Proc. Conf. on Metallic Glasses: Science and Technology (Budapest, 1980)*. Eds. C. Hargitai, I. Bakonyi and T. Kemény (Central Research Institute for Physics, Budapest, 1981), Vol. 1, pp. 197-202.
- Z. Hegedüs, J. Király, É. Kisdi-Koszó, G. Sós, A. Lovas: Investigation of aging processes in iron-based metallic glasses. In: *Proc. Conf. on Metallic Glasses: Science and Technology (Budapest, 1980)*. Eds. C. Hargitai, I. Bakonyi and T. Kemény (Central Research Institute for Physics, Budapest, 1981), Vol. 2, pp. 203-209.
- T. Kemény, I. Vincze, H.A. Davies, I.W. Donald, A. Lovas: Crystallization products of Fe-B-Si based metallic glasses. In: *Proc. Conf. on Metallic Glasses: Science and Technology (Budapest, 1980)*. Eds. C. Hargitai, I. Bakonyi and T. Kemény (Central Research Institute for Physics, Budapest, 1981), Vol. 2, pp. 239-246.
- A. Lovas, L. Gránásy, K. Zámbo-Balla, J. Király: 1981. Influence of transition-metal additives on the thermal stability of $\text{Fe}_{80}\text{T}_{3}\text{B}_{17}$ quasi-eutectic metallic glasses. In: *Proc. Conf. on Metallic Glasses: Science and Technology (Budapest, 1980)*. Eds. C. Hargitai, I. Bakonyi and T. Kemény (Central Research Institute for Physics, Budapest, 1981), Vol. 2, pp. 291-297.
- A. Lovas, L. Potocky, L. Novák, É. Kisdi-Koszó, K. Zámbo-Balla: Thermomagnetic investigations on quasi-binary $\text{Fe}_{80}\text{TM}_{3}\text{B}_{17}$ amorphous alloys. In: *Proc. Conf. on Metallic Glasses: Science and Technology (Budapest, 1980)*. Eds. C. Hargitai, I. Bakonyi and T. Kemény (Central Research Institute for Physics, Budapest, 1981), Vol. 2, pp. 87-94.
- I. Nagy, T. Tarnóczy, M. Hossó, F. Pavlyák: Investigation of metallic glasses by Auger spectroscopy. In: *Proc. Conf. on Metallic Glasses: Science and Technology (Budapest, 1980)*. Eds. C. Hargitai, I. Bakonyi and T. Kemény (Central Research Institute for Physics, Budapest, 1981), Vol. 1, pp. 223-228.
- L. Novák, É. Kisdi-Koszó, L. Potocky, A. Lovas: Correlation between technological parameters and induced anisotropy in amorphous Fe-B alloys. In: *Proc. Conf. on Metallic Glasses: Science and Technology (Budapest, 1980)*. Eds. C. Hargitai, I. Bakonyi and T. Kemény (Central Research Institute for Physics, Budapest, 1981), Vol. 1, pp. 229-233.
- G. Pető, J. Kanski, A. Lovas, J. Sasvári: The investigation of amorphous-crystalline transition in Fe-B metallic glasses by photoemission. In: *Proc. Conf. on Metallic Glasses: Science and Technology (Budapest, 1980)*. Eds. C. Hargitai, I. Bakonyi and T. Kemény (Central Research Institute for Physics, Budapest, 1981), Vol. 2, pp. 311-317.

- L. Pogány, F. Pászti, G. Mezey, E. Kótai, A. Manuaba, L. Pócs, J. Gyulai, T. Lohner: 1981. SEM investigation on gold surfaces bombarded by 3.52 MeV helium ions. In: *Veröffentlichungen zur X. Tagung Elektronenmikroskopie (Leipzig, 1981)*, pp. 470-471.
- L. Potocky, R. Mlynek, É. Kisdi-Koszó, J. Takács, P. Samuely: Magnetostriction on magnetic- and stress-annealed Fe-B amorphous alloys. In: *Proc. Conf. on Metallic Glasses: Science and Technology (Budapest, 1980)*. Eds. C. Hargitai, I. Bakonyi and T. Kemény (Central Research Institute for Physics, Budapest, 1981), Vol. 2, pp. 101-105.
- L. Takács, C. Hargitai: Characterisation of the local order in amorphous model structures. In: *Proc. Conf. on Metallic Glasses: Science and Technology (Budapest, 1980)*. Eds. C. Hargitai, I. Bakonyi and T. Kemény (Central Research Institute for Physics, Budapest, 1981), Vol. 1, pp. 333-339.
- L. Takács and E. Tóth-Kádár: Mössbauer study of amorphous Fe-P alloys. In: *Proc. Conf. on Metallic Glasses: Science and Technology (Budapest, 1980)*. Eds. C. Hargitai, I. Bakonyi and T. Kemény (Central Research Institute for Physics, Budapest, 1981). Vol. 2, pp. 119-124.
- T. Tarnóczi, I. Nagy, B. Albert, M. Hossó: Relaxation processes in metallic glasses investigated by magnetic measurements. In: *Proc. Conf. on Metallic Glasses: Science and Technology (Budapest, 1980)*. Eds. C. Hargitai, I. Bakonyi and T. Kemény (Central Research Institute for Physics, Budapest, 1981), Vol. 2, pp. 335-341.
- K. Tompa, I. Bakonyi and P. Bánki: Multiple spin echoes in nonmagnetic amorphous alloys. In: *Proc. Conf. on Metallic Glasses: Science and Technology (Budapest, 1980)*. Eds. C. Hargitai, I. Bakonyi and T. Kemény (Central Research Institute for Physics, Budapest, 1981). Vol. 2, pp. 125-130.
- K. Tompa, I. Bakonyi, P. Bánki and L. Takács: ^{63}Cu and ^{65}Cu NMR study on an amorphous Ni-Cu-P alloy. In: *Proc. Conf. on Metallic Glasses: Science and Technology (Budapest, 1980)*. Eds. C. Hargitai, I. Bakonyi and T. Kemény (Central Research Institute for Physics, Budapest, 1981). Vol. 1, pp. 341-346.
- J. Tóth: Measurements of activation energies for two-step crystallization. In: *Proc. Conf. on Metallic Glasses: Science and Technology (Budapest, 1980)*. Eds. C. Hargitai, I. Bakonyi and T. Kemény (Central Research Institute for Physics, Budapest, 1981). Vol. 2, pp. 343-348.
- K. Vajsz, F. Hajdú, C. Hargitai, G. Mészáros: On the structure of iron - boron metallic glasses. In: *Proc. Conf. on Metallic Glasses: Science and Technology (Budapest, 1980)*. Eds. C. Hargitai, I. Bakonyi and T. Kemény (Central Research Institute for Physics, Budapest, 1981). Vol. 1, 353-359.
- L. Varga, É. Kisdi-Koszó, A. Lovas: Transversal induction measurements on Fe-B amorphous ribbons. In: *Proc. Conf. on Metallic Glasses: Science and Technology (Budapest, 1980)*. Eds. C. Hargitai, I. Bakonyi and T. Kemény (Central Research Institute for Physics, Budapest, 1981). Vol. 2, pp. 131-136.
- L. Varga, A. Lovas, É. Zsoldos, C. Hargitai, B. Fogarassy, Á. Cziráki: Crystallisation and relaxation process in amorphous Fe - B alloys studied by thermopower and diffraction methods. In: *Proc. Conf. on Metallic Glasses: Science and Technology (Budapest, 1980)*. Eds. C. Hargitai, I. Bakonyi and T. Kemény (Central Research Institute for Physics, Budapest, 1981). Vol. 2, 355-361.

L. Varga and K. Tompa: Properties and applications of amorphous metals. In: *Papers submitted to the Nat. Symp. on Physics of Amorphous Materials (Cluj-Napoca, Romania, 1981)*, pp. 133-136.

I. Vincze, T. Kemény, A.S. Schaafsma, A. Lovas, F. van der Woude: Chemical and topological short-range order in metallic glasses. In: *Proc. Conf. on Metallic Glasses: Science and Technology (Budapest, 1980)*. Eds. C. Hargitai, I. Bakonyi and T. Kemény (Central Research Institute for Physics, Budapest, 1981). Vol. 1, pp. 361-367.

P. Vojtaník, É. Kisdi-Koszó, A. Lovas, L. Potocky: Correlation between technological parameters and magnetic after-effect in Fe-B. In: *Proc. Conf. on Metallic Glasses: Science and Technology (Budapest, 1980)*. Eds. C. Hargitai, I. Bakonyi and T. Kemény (Central Research Institute for Physics, Budapest, 1981). Vol. 1, pp. 247-251.

1982

Á. Cziráki, L. Varga, B. Fogarassy, K. Tompa, I. Szabó: Crystallization processes of the amorphous Ni₇₅TM₅P₂₀ system. In: *Proc. 10th Int. Congress on Electron Microscopy, (Hamburg, FRG, 1982)*. Vol. 2, pp. 253-254.

H.-J. Grabke, G. Konczos, E.M. Müller, R. Ramanathan: Kinetik der Aufkohlung und Entkohlung von Eisen, Nickel und Eisen-Nickel-Legierungen in Methan-Wasserstoff-Gemischen. In: *Proc. Conf. "Gase in Metallen" (Darmstadt, 1982)*. Ed. H.M. Ortner (DGM, Oberursel, 1982), pp. 179-190.

Zs. Kajcsos, L. Marczis, L. Gránágy, Cs. Szeles, D. Kiss, A. Lovas, G. Brauer: Influence of production process on metallic glasses as seen by positron annihilation. In: *Proc. 6th Int. Conf. on Positron Annihilation, (Forth Worth, Texas, USA, 1982)*. Eds. P. G. Coleman, S. C. Sharma and L. M. Diana (North Holland, 1982), pp. 601-603

P. Kovács, J. Farkas, L. Kiss, A. Lovas, K. Tompa: Electrochemical and corrosion behaviour of Fe₈₀TM₃B₁₇ amorphous alloys. In: *Proc. 4th Int. Conf. on Rapidly Quenched Metals (Sendai, 1981)*. Eds. K. Suzuki and T. Masumoto (The Japan. Inst. Metals, Sendai, 1982), Vol. II, pp. 1471-1474.

G. Mezey, F. Pászti, L. Pogány, A. Manuaba, M. Fried, E. Kótai, T. Lohner, L. Pócs, J. Gyulai: Blistering and exfoliation on gold by 1-3.52 MeV helium particles. In: *Ion Implantation into Metals*. Eds. V. Ashworth, W.A. Grant, R.P.M. Procter (Pergamon Press, Oxford, 1982) pp. 293-301.

L. Pogány, M. H. Pardavi: Magnetic contrast due to the interaction between leakage field of magnetic domains and primary electron beam. In: *Proc. 10th Int. Congress on Electron Microscopy, (Hamburg, FRG, 1982)*, Vol. 2, pp. 323-324

L. Varga, K. Tompa: Magnetic and transport properties of Ni₇₅TM₅P₂₀ metallic glasses. In: *Proc. 4th Int. Conf. on Rapidly Quenched Metals (Sendai, 1981)*. Eds. K. Suzuki and T. Masumoto (The Japan. Inst. Metals, Sendai, 1982), Vol. II, pp. 1299-1302.

1983

L. Pogány: Comparative measurement of ancient ceramics using the scanning electron microscope and energy dispersive X-ray microanalysis. *Alba Regia Annales Musei Stephani Regis XX*. pp. 181-184 (1983)

1984

I. Bakonyi: On the magnetism of nickel-metalloid alloys. In: *Proc. 5th Int. Seminar on Magnetism (Berggiesshübel, GDR, 1984)*. *Wiss. Zeitschrift der Hochschule für Verkehrswesen (Dresden)*, Sonderheft 13, pp. 161-164 (1984) [ISSN 0043-6844]

Á. Cziráki, I. Bakonyi, I. Nagy, M. Hossó, H.E. Schone: Formation of off-stoichiometric phases during the crystallization of amorphous Ni-P alloys. In: *Proc. 8th European Congress on Electron Microscopy (Budapest, 1984)*. Eds. Á. Csanády, P. Röhlich and D. Szabó (The Programme Committee, Budapest, 1984). Vol. 2, pp. 915-916

Á. Cziráki, B. Fogarassy, I. Bakonyi, A. Lovas, K. Wetzig, G. Ziess: Crystallization study of amorphous $\text{Ni}_{81.5}\text{P}_{18.5}\text{B}_y$ alloys. In: *Veröffentlichungen zur 11. Tagung "Elektronenmikroskopie" (Dresden, 1984)*. Eds. J. Heydenreich and H. Luppá (Physikalische Gesellschaft der DDR, Berlin, 1984), pp. 189-190

R. Grössinger, H. Sassik, A. Lovas: The sensitivity of various magnetoelastic properties on processing conditions. In: *Amorphous Metals and Non-Equilibrium Processing*. Ed. M. von Allen (Les Éditions de Physique, Les Ulis, France, 1984), pp. 369-375.

I.B. Khaibullin, G.G. Zakirov, M.M. Zaripov, T. Lohner, L. Pogány, G. Mezey, E. Kótai, F. Pászti, M. Fried, J. Gyulai: Influence of heavy ion bombardment and laser annealing on the structural and optical properties of germanium. In: *Energy Pulse Modification of Semiconductors and Related Materials, Dresden, ZfK-55*, Pt. I, pp. 188- (1984)

L. Pogány, M. Riedel, A. Lovas, A. Pirnát: New analytical standards for EMP and SIMS. In: *Proc. 8th European Congress on Electron Microscopy (Budapest, 1984)*. Eds. Á. Csanády, P. Röhlich and D. Szabó (The Programme Committee, Budapest, 1984). Vol. 1, pp. 411-412.

M. Riedel, A. Lovas, A. Pirnát, L. Pogány: Metallische Gläser als Standardproben. In: *Beiträge zur 6. Tagung Mikrosonde (Dresden, GDR, 1984)*. Eds. A. Röder, S. Dabritz, L. Küchler (Physikalische Gesellschaft der DDR, Berlin, 1984), pp. 29-32.

K. Tompa, L.K. Varga, I. Pócsik, I. Furó: The distribution of Ti in a Ni-P glassy alloy. In: *Proc. XXIIInd Congress AMPERE (Zurich, Switzerland, 1984)*. Eds. K.A. Müller, R. Kind, J. Roos (The University of Zurich, Switzerland, 1984), pp. 113-114.

Z. Vértesy, L. Pogány, J. Paitz, Z. Juhász, G. Szabó: (1984) Investigation of Bismuth-Germanate Crystals. In: *Proc. 8th European Congress on Electron Microscopy (Budapest, 1984)*. Eds. Á. Csanády, P. Röhlich and D. Szabó (The Programme Committee, Budapest, 1984). Vol. 2, pp. 1067-1068.

1985

B. Fogarassy, Á. Cziráki, I. Bakonyi, K. Wetzig, G. Ziess, I. Szabó: Amorphous-crystalline transition in Ni-P-B metallic glasses. In: *Rapidly Quenched Metals*. Eds. S. Steeb and H. Warlimont (Elsevier Science Publishers B.V., Amsterdam, 1985), pp. 389-392

L. Gránásy, Gy. Faigel, A. Lovas, J. Sasvári, I. Vincze: Comparison of the local environments of ^{57}Fe in amorphous and crystalline (Ni-Fe)B alloys, In: *Application of the Mössbauer Effect*. Eds. Yu.M. Kagan, I.S. Lyubutin (Gordon and Beach Sci. Publ., New York, USA, 1985), pp. 1307-1311.

R. Grössinger, H. Kirchmayr, Ch. Schotzko, T. Tarnóczy: Relaxation processes $\text{Fe}_x\text{Ni}_{80-x}\text{B}_{20}$ ($x < 40$) investigated by magnetoelastic measurements. In: *Rapidly Quenched Metals*. Eds. S. Steeb and H. Warlimont (Elsevier Science Publishers B.V., Amsterdam, 1985), pp. 1259-1262.

R. Grössinger, H. Sassik, Ch. Schotzko, A. Lovas: The influence of the cooling rate on the magnetic, electric and elastic properties of amorphous $\text{Fe}_{25}\text{Ni}_{55}\text{Si}_{10}\text{B}_{10}$. In: *Rapidly Quenched Metals*. Eds. S. Steeb and H. Warlimont (Elsevier Science Publishers B.V., Amsterdam, 1985), pp. 1255-1258.

C. Hargitai, M. Hossó, C. Kopasz, G. Márki, I. Nagy, T. Tarnóczy: The process parameters and the properties of $\text{Fe}_{40}\text{Ni}_{40}\text{B}_{13}\text{Si}_7$ ribbons. In: *Rapidly Quenched Metals*. Eds. S. Steeb and H. Warlimont (Elsevier Science Publishers B.V., Amsterdam, 1985), pp. 87-90.

Zs. Kajcsos, L. Gránásy, T. Kemény, L.F. Kiss, É. Kisdi-Koszó, G. Konczos, A. Lovas, L. Marczis, Cs. Szeles, G. Brauer: Imperfection structure of metallic glasses studied by positron annihilation. In: *Proc. Int. Conf. on Positron Annihilation (New Delhi, India, 1985)*. Eds. P.C. Jain, R.M. Singru, K.P. Gopinathan (World Scientific, Singapore, 1985), pp. 921-923.

Zs. Kajcsos, R. Paulin, F. Boileau, A. Lovas, L. Marczis, A. Ashry: On the depth-distribution of positron traps in metallic glasses. In: *Proc. Int. Conf. on Positron Annihilation (New Delhi, India, 1985)*. Eds. P.C. Jain, R.M. Singru, K.P. Gopinathan (World Scientific, Singapore, 1985), pp. 935-937.

N.T. My, G. Mezey, A. Manuaba, F. Pászti, L. Pogány, E. Kótai, M. Fried, L. Pócs: Effects of heavy ion bombardment induced damage on surface deformation and re-emission characteristics of aluminium under high energetic He irradiation. In: *Proc. 12th European Conf. on Controlled Fusion and Plasma Physics (Budapest, 1985)*, pp. 639-641.

L. Potocky, J. Kovác, L. Novák, É. Kisdi-Koszó, A. Lovas: Magnetic behaviour of iron-holmium-boron metallic glasses. In: *Rapidly Quenched Metals*. Eds. S. Steeb and H. Warlimont (Elsevier Science Publishers B.V., Amsterdam, 1985), pp. 1153-1156.

L. Takács, E.J. Hiltunen, J.A. Lehto: Crystallization kinetics studied by EDXD and Mössbauer spectroscopy. In: *Rapidly Quenched Metals*. Eds. S. Steeb and H. Warlimont (Elsevier Science Publishers B.V., Amsterdam, 1985), pp. 275-278.

T. Tarnóczy: Effect of structural relaxation on the Curie temperature in metallic glasses. In: *Proc. 2nd Int. Conf. on Physics of Magnetic Materials (Jadwisin, Poland, 1984)*. Eds. J. Raduszkiwicz, H. Szymczak, H.K. Lachowicz (World Scientific, Singapore, 1985), pp. 213-233.

J. Tóth, B. Sas, G. Konczos: Concentration dependence of resistivity and magnetoresistivity of amorphous $\text{Fe}_{80}\text{B}_{20}$ alloys with W and Cr additions. In: *Rapidly Quenched Metals*. Eds. S. Steeb and H. Warlimont (Elsevier Science Publishers B.V., Amsterdam, 1985), pp. 1071-1074.

L.K. Varga, F.J. Kedves, L. Gergely, G. Erdélyi: Effect of pressure and temperature on the resistance of Ni-B based amorphous alloys. In: *Rapidly Quenched Metals*. Eds. S. Steeb and H. Warlimont (Elsevier Science Publishers B.V., Amsterdam, 1985), pp. 1047-1050.

1986

G. Konczos, B. Sas: Density of metallic glasses. In: *Amorphous Metals*. H. Matyja, P.G. Zielinski (eds), World Scientific, Singapore (1986), pp. 105-112.

A. Lovas, L.F. Kiss, G. Konczos, A. Sólyom: Influence of amorphous ribbon processing on the magnetic properties of heat treated wound cores. In: *Proc. Conf. Soft Magnetic Materials 7* (Blackpool, UK, 1985). Ed. J.E. Thompson (Wolfson Centre for Magnetics Technology, Cardiff, 1986), pp. 321-323.

S. Németh, C. Hargitai, C. Kopasz, L. Szentmiklósi: Determination of different anisotropy energies in polycrystalline and amorphous soft magnetic materials. In: *Proc. Conf. Soft Magnetic Materials 7 (Blackpool, UK, 1985)*. Ed. J.E. Thompson (Wolfson Centre for Magnetics Technology, Cardiff, 1986), pp. 56-58.

L. Pogány, Z. Vértesy, Sz. Sándor, G. Konczos: Magnetic domain contrast type II detection by pn-junction: a highly effective new method. In: *Proc. XIth Int. Cong. on Electron Microscopy (Kyoto, Japan, 1986)*, pp. 1737-1738.

L. Potocky, É. Kisdi-Koszó, A. Lovas, É. Zsoldos, L. Novák, J. Kovác: Magnetic properties of Fe-La/Pr-B metallic glasses. In: *Proc. Conf. Soft Magnetic Materials 7 (Blackpool, UK, 1985)*. Ed. J.E. Thompson (Wolfson Centre for Magnetics Technology, Cardiff, 1986), pp. 318-320.

1987

I. Nagy, C. Hargitai: The effect of the process parameters on the properties of rapidly quenched metallic glasses. In: *Physics of Magnetic Materials - 3*, W. Gorzkowski, H.K. Lachowicz, H. Szymczak (eds.), World Scientific, Singapore, 1987, pp. 430-449.

P. Rácz, I. Pócsik, I. Fűrő, K. Tompa: Cornea and lens transparency, phase transition behaviour and supramolecular ordering. In: *Advances in Diagnostic Visual Optics*. Eds. A. Fiorentini, D.L. Guyton, I.M. Siegel (Springer-Verlag, Berlin, 1987), pp. 52-54.

J. Tóth, I. Bakonyi, H.H. Liebermann: Low-temperature transport properties of melt-quenched Ni-P amorphous alloys. In: *Digest (F) of the Int. Conf. "Low Temperature Physics Budapest 87"* (Central Research Institute for Physics, Budapest, 1987), pp. 61-62.

1988

S. Budurov, T. Spassov, W. Diakovich, G. Konczos, A. Lovas: Isothermal crystallization kinetics of amorphous Ni-B alloys. In: *Proc. First Int. Conf. on Rapidly Quenched Metal Alloys (Varna, Bulgaria, 1987)*. Ed. J. Morgenthal (Zentralinst. Festkörperphys. Werkstofforsch., Dresden, GDR, 1988), pp. 85-90.

I. Fűrő, L. Mihály, I. Bakonyi, K. Tompa, I. Heinmaa, E. Joon, E. Lippmaa: NMR and NQR studies on high-T_c superconductors: ^{63,65}Cu and ²⁰⁵Tl spectroscopies. In: *Proc. 10th AMPERE Summer School and Symposium "Magnetic Resonance and Relaxation. New Fields and Techniques"* (Portoroz, 1988). Eds. R. Blinč, M. Vilfan and J. Slak (J. Stefan Institute, Ljubljana, 1988), pp. 95-100 (invited paper)

L. Pogány, S. Sándor, B. Keszei, G. Szabó, G. Hutiray, L. Mihály: Phases in the Bi-Cu-Ca-Sr-O superconductive system analyzed by electron-beam X-ray microanalysis. In: *Institute of Physics (London) Conf. Series*, Vol. **93**, pp. 245-246 (1988)

J.J. Ramsden, L. Pogány: SEM investigation of TiO₂ photoelectrodes. In: *Institute of Physics (London) Conf. Series*, Vol. **93**, pp. 361-362 (1988)

S. Sándor, L. Pogány, J. Vandlik, B. Keszei, G. Szabó: SEM investigations of the products of the growth of SmBa₂Cu₃O_{7-x} and YBa₂Cu₃O_{7-x} single-crystals. In: *Institute of Physics (London) Conf. Series*, Vol. **93**, pp. 243-244 (1988)

B. Sas, J. Tóth: Thermoelectric power in amorphous ferromagnetic alloys. In: *Proc. First Int. Conf. on Rapidly Quenched Metal Alloys (Varna, Bulgaria, 1987)*. Ed. J. Morgenthal (Zentralinst. Festkörperphys. Werkstofforsch., Dresden, GDR, 1988), pp. 336-337.

E. Tóth-Kádár, I. Bakonyi, A. Sólyom, J. Hering, G. Konczos: Electrodeposition of uniform Ni-P amorphous alloys. In: *Proc. First Int. Conf. on Rapidly Quenched Metal Alloys (Varna, Bulgaria, 1987)*. Ed. J. Morgenthal (Zentralinst. Festkörperphys. Werkstofforsch., Dresden, GDR, 1988), pp. 43-44.

A. Werner, I. Bakonyi, P. Bánki, I. Furó, I. Pócsik, K. Tompa, H.E. Schone: NMR study of metallic glass hydrides. In: *Proc. First Int. Conf. on Rapidly Quenched Metal Alloys (Varna, Bulgaria, 1987)*. Ed. J. Morgenthal (Zentralinst. Festkörperphys. Werkstofforsch., Dresden, GDR, 1988), pp. 199-207

1989

I. Bakonyi: Magnetic properties and electronic structure of Ni-B alloys in the amorphous, crystalline and liquid state. In: *Proc. Int. Conf. on Physics of Transition Metals (Kiev, 1988)*. Naukova Dumka (Kiev, 1989), Pt. 2, pp. 333-336.

K. Basa, A. Lovas, J. Szöllősy, G. Konczos: Some device-oriented magnetic applications of metallic glasses. In: *Proc. 8th Czechoslovak Conf. on Magnetism (Kosice, 1988)*. Ed. M. Mihalik (Kosice, 1989), pp. 141-147.

S. Budurov, T. Spassov, M. Lazarova, G. Konczos, A. Lovas: Compositional effects in the crystallization of $\text{Ni}_{78.5}\text{TM}_3\text{B}_{18.5}$ glasses. In: *Proc. 6th Non-Ferrous Metallurgical Symposium Section B: Rapidly Solidified Materials (Balatonaliga, Hungary, 1989)*. Eds. I. Nagy, G. Konczos (Central Research Institute for Physics, Budapest, 1989), pp. 227-236.

G. Konczos: Experiences in the application of rapidly solidified alloys in the Central Research Institute for Physics, Budapest. In: *Proc. Seminar on Rapid Solidification: Technology, Material Properties, Application*, ed. H. Fiedler, *ZFW Wissenschaftliche Berichte*, Nr. 41, Dresden, GDR (1989), pp. 152-165

G. Konczos, T. Tarnóczy: New results in the application of soft magnetic metallic glasses. In: *Physics of Magnetic Materials - 4*, eds. W. Gorzkowski, H.K. Lachowicz, H. Szymczak, *World Scientific, Singapore*, 1989, pp. 280-297.

C. Kopasz, C. Hargitai, G. Márki: Present status of development and production of rapidly quenched materials at Csepel Metalworks. In: *Proc. Seminar on Rapid Solidification: Technology, Material Properties, Application*. Ed. H. Fiedler, *ZFW Wissenschaftliche Berichte*, Nr. 41, Dresden, GDR (1989), pp. 128-151.

G. Lasanda, K. Tompa, A. Werner, P. Bánki: ^1H - ^31P double resonance in a glassy metal. In: *24th Ampere Congress: Magnetic Resonance and Related Phenomena*. Inst. for Molecular Physics, Poznan, Poland, 1989), pp. 961-965.

K. Russew, L. Stojanova, L. Anestiev, G. Konczos, A. Lovas: Influence of vanadium alloying additions on the viscous flow and critical cooling rate of amorphous Fe-B alloys. In: *Proc. 6th Non-Ferrous Metallurgical Symposium, Section B: Rapidly Solidified Materials (Balatonaliga, Hungary, 1989)*. Eds. I. Nagy, G. Konczos (Central Research Institute for Physics, Budapest, 1989), pp. 118-127.

K. Tompa, I. Bakonyi, G. Lasanda, A. Werner: Amorphous metal hydrides and their investigation. In: *Proc. 5th Sci. Conf. of the Faculty of Electr. Eng. of the Technical University in Košice* (1989, Košice, ČSSR), pp. 48-53.

A. Werner, P. Bánki, I. Bakonyi, H.E. Schone, K. Tompa: Proton spin relaxations in $(\text{Ni}_{0.5}\text{Zr}_{0.5})_{0.95}\text{P}_{0.05}\text{H}_{0.54}$ and $(\text{Ni}_{0.5}\text{Zr}_{0.5})_{0.93}\text{P}_{0.07}\text{H}_{0.58}$ amorphous alloys. In: *Magnetic Resonance and Related Phenomena. Proc. 24th AMPERE Congress (Poznan, 1988)*. Institute of Molecular Physics (Poznań, 1989), pp. 967-971.

1991

Á. Cziráki, B. Fogarassy, I. Nagy, I. Bakonyi, K. Tompa, B. Arnold, K. Wetzig: Hydrogen induced phase separation in $\text{Ni}_{50-x}\text{Cu}_x\text{Zr}_{50}$ amorphous metals. In: *Proc. Int. Symp. on Electron Microscopy (Beijing, 1990)*. Eds. Kehsin Kuo and Junen Yao (World Scientific, Singapore, 1991), pp. 391-402.

1992

N.S. Ovanesyan, V.I. Kovalenko, J. Tóth: Spin-glass behaviour and possible superconductivity in Ca-doped double-layered perovskite $\text{Y}_{0.85}\text{Ca}_{0.15}\text{BaCuFeO}_5$. In: *Proc. Int. Conf. on High Temperature Superconductivity and Localization Phenomena (Moscow, 1991)*. World Scientific, Singapore (1992), pp. 316-320.

1993

M. Adamik, P.B. Barna, E. Tóth-Kádár: Morphology and texture of pure and phosphorous doped nickel electrodeposits. In: *Proc. Multinational Congress on Electron Microscopy (Parma, 1993)*, pp. 33-34

Á. Cziráki, B. Fogarassy, K.H. Hermann, H. Lichte, E. Tóth-Kádár, I. Bakonyi: HREM study of grain boundary in nanophase electrodeposited Ni. In: *Proc. Multinational Congress on Electron Microscopy (Parma, 1993)*, pp. 37-38

1994

I. Bakonyi, E. Tóth-Kádár, J. Tóth, Á. Cziráki, B. Fogarassy: Electronic transport in nanocrystalline metals: a study of electrodeposited nickel foils. In: G. C. Hadjipanayis, R.W. Siegel (eds.): *Nanophase Materials*. NATO ASI Series E, Vol. 260, Kluwer Academic Publishers, Dordrecht, The Netherlands, pp. 423-432 (1994)

Á. Cziráki, B. Fogarassy, I. Gerócs, E. Tóth-Kádár, I. Bakonyi, I. Groma: Phase transformation of nanostructured $\text{NiP}_x/\text{NiP}_y$ multilayers. In: *Proc. 13th Int. Conf. on Electron Microscopy (Paris, 1994)*. B. Jouffrey and C. Colliex (eds.), Les Editions de Physique, Les Ulis, France, 1994), Vol. 2A, pp. 459-460.

J. Garaguly, A. Lovas, J. Tóth, J. Takács: Time evolution of hydrogen charging and discharging process in Ni-Zr glassy alloys studied by in-situ resistivity measurements. In: *Proc. XI. Int. Colloquium on Materials, Technologies, Design, Maintenance and their Application in the Field of Transportation (Žilina, Slovakia, 1994)*, pp. 11-14

A. Lovas, J. Takács, G. Konczos, Gy. Kiss: Microhardness of Fe-based rapidly quenched alloys as precursors for plasma spray coatings. In: *Proc. EUROMAT'94 Topical Meeting (Balatonszéplak, 1994)*. Eds. B. Vorsatz and E. Szőke, Vol. IV, pp. 1169-1172.

L. Pogány, Z. Fülöp: Computation of the magnetic contrast on tilted sample surface. In: *Proc. 13th Int. Conf. on Electron Microscopy (Paris, 1994)*. B. Jouffrey and C. Colliex (eds.), Les Editions de Physique, Les Ulis, France, 1994), Vol. 1, pp. 101-102.

1995

Á. Cziráki, B. Fogarassy, L.K. Varga, I. Bakonyi, A. Lovas, K. Tompa, P. Kessler, H. Lichte: Structural changes in a hydrogenated amorphous $Zr_{33}Ni_{67}$ alloy. In: *Proc. 4th European Conf. on Advanced Materials and Processes (EUROMAT), Venice (1995)*, Associazione Italiana di Metallurgia (1995), Symp. F, pp. 293-296.

P. Kamasa: Joint time-frequency analysis in NMR spectroscopy. In: *Proc. XXVIIth Polish Seminar on NMR (Cracow, 1994)*. Institute of Nuclear Physics (Cracow, 1995), pp. 47-50.

1996

I. Bakonyi, E. Tóth-Kádár, J. Tóth, T. Tarnóczy, Á. Cziráki: Microstructure, electrical transport and magnetic studies of electrodeposited nanocrystalline Ni, Co and Cu metals. In: *Processing and Properties of Nanocrystalline Materials*. Eds. C. Suryanarayana, J. Singh and F.H. Froes (The Minerals, Metals & Materials Society, Warrendale, Pa., U.S.A., 1996), pp. 465-476.

L. Balicas, G. Kriza, F.I.B. Williams: Positive and negative quantum Hall plateaus in $(TMTSF)_2PF_6$. In: *Proc. Conf. on Physical Phenomena at High Pressures – II (Tallahassee, Fl., U.S.A., 1995)*. Eds. Z. Fisk, L. Gor'kov, D. Meltzer and R. Schrieffer (World Scientific, Singapore, 1996), pp. 339-345.

M. Bokor, T. Marek, A. Vértes, K. Tompa: 1H solid state NMR in Fe(II) and Zn(II) complexes. In: *Extended Abstracts of 28th Congress AMPERE (Canterbury, 1996)*. M.E. Smith and J.H. Strange (eds.), pp. 292-293.

P. Kamasa: The digital phase detection in cw NMR broad-line spectroscopy. In: *Proc. XXVIIIth Polish Seminar on NMR (Cracow, 1995)*. Institute of Nuclear Physics (Cracow, 1996), pp. 320-322.

G. Lasanda, P. Bánki, C. Hargitai, A. Lovas, K. Tompa, É. Zsoldos: PMR line-shapes and second moments in Zr-Ni-Cu-H amorphous alloys. In: *Extended Abstracts of 28th Congress AMPERE (Canterbury, 1996)*. M.E. Smith and J.H. Strange (eds.), pp. 250-251.

L. Pogány, Do Than Son, I. Varga, C. Hargitai, Z. Fülöp: Measurement of magnetisation inside of a soft magnetic material and modelling the magnetic contrast on the surface by Monte Carlo method. In: *Digests of the Fourth Japan-Hungary Joint Seminar (Fukuyama, Japan, 1996)*, pp. 25-26.

1997

A. Böhönyey, G. Huhn, L.F. Kiss, L. Pogány: Composition dependence of reversible structural relaxation in Fe-Ni-P metallic glasses. In: *Suppl. to the Proc. 9th Int. Conf. on Rapidly Quenched and Metastable Alloys (Bratislava, 1996)*. Eds. P. Duhaj, P. Mrafko and P. Svec (Elsevier, Amsterdam, 1997), pp. 154-157.

P. Kamasa, L.K. Varga, É. Kisdi-Koszó, J. Vandlik: Complex testing system for ferromagnetic materials by thermomagnetic measurement. In: *Suppl. to the Proc. 9th Int. Conf. on Rapidly Quenched and Metastable Alloys (Bratislava, 1996)*. Eds. P. Duhaj, P. Mrafko and P. Svec (Elsevier, Amsterdam, 1997), pp. 280-283.

T. Katona, Á. Molnár, M. Varga, A. Lovas: Effect of hydrogen treatment on the structure and surface properties of Cu-Zr and Cu-Ti alloys. In: *Suppl. to the Proc. 9th Int. Conf. on Rapidly Quenched and Metastable Alloys (Bratislava, 1996)*. Eds. P. Duhaj, P. Mrafko and P. Svec (Elsevier, Amsterdam, 1997), pp. 380-383.

T. Kemény, L.K. Varga, L.F. Kiss, J. Balogh, A. Lovas, L. Tóth, I. Vincze: The nanocrystal formation in Fe-Zr-B-Cu amorphous alloys. In: *Suppl. to the Proc. 9th Int. Conf. on Rapidly Quenched and Metastable Alloys (Bratislava, 1996)*. Eds. P. Duhaj, P. Mrafko and P. Svec (Elsevier, Amsterdam, 1997), pp. 201-204.

A. Lovas, L.F. Kiss, F. Sommer, É. Zsoldos: Comparison of the thermomagnetic and thermal effects during devitrification of glassy Fe₈₆B₁₄ and Fe_{83.6}Cr_{2.4}B₁₄ alloys. In: *Suppl. to the Proc. 9th Int. Conf. on Rapidly Quenched and Metastable Alloys (Bratislava, 1996)*. Eds. P. Duhaj, P. Mrafko and P. Svec (Elsevier, Amsterdam, 1997), pp. 329-332.

W. Schwarzacher, M. Alper, R. Hart, G. Nabiyouni, I. Bakonyi and E. Tóth-Kádár: Electrodeposited magnetic nanostructures. In: *MRS Symp. Proc. Vol. 451, pp. 347-357 (1997)*; Invited paper presented at *Symposium P: "Electrochemical Synthesis and Modification of Materials" held at the Materials Research Society Fall Meeting (Boston, Dec. 2-6, 1996)*

1998

M. Bokor, T. Marek, K. Tompa, A. Vértes: Anion dynamics in tetrafluoroborate salts of Zn^{II}- and Fe^{II}-propyltetrazole complexes. In: *Proc. Joint 29th AMPERE — 13th ISMAR Int. Conference (Berlin, 1998)*. D. Ziessow, W. Lubitz and F. Lenzian (eds.), Vol. I., pp. 617-618.

Á. Cziráki, I. Bakonyi: Common features of the microstructure in the multilayers. In: *Proc. 14th Int. Congress on Electron Microscopy (Cancun, Mexico, 1998)*. Eds. H.A. Calderón Benavides and M. José Yacamán (Institute of Physics Publishing, Bristol and Philadelphia, 1998), Vol. II, pp. 317-318.

P. Kamasa, J. Duchiewicz: Digital phase-sensitive detector using Gabor transform. In: *Proc. XXXth Polish Seminar on NMR (Cracow, 1997)*. Institute of Nuclear Physics (Cracow, 1998), pp. 201-204

A. Lovas, J. Garaguly: The role of hydrogen-energetics in the future of transportation industry. In: *Gépészet '98, Proc. of 1st Conf. on Mechanical Engineering (Budapest, 1998)*. Eds. K. Molnár, Gy. Ziaja and G. Vörös (Springer Hungarica Kiadó, Budapest, 1998), pp. 692-696.

T. Marek, M. Bokor, K. Tompa, A. Vértes: Solid-state ¹H and ¹⁹F NMR spectroscopic study of iron(II) alkyltetrazole spin-crossover compounds. In: *Proc. Joint 29th AMPERE — 13th ISMAR Int. Conference (Berlin, 1998)*. D. Ziessow, W. Lubitz and F. Lenzian (eds.), Vol. II., pp. 683-684.

L. Pogány, I. Varga, C. Hargitai, Z. Fülöp, I. Bakonyi: Simulation of the deflection of electron trajectories due to domain magnetization. In: *Proc. 14th Int. Congress on Electron Microscopy (Cancun, Mexico, 1998)*. Eds. H.A. Calderón Benavides and M. José Yacamán (Institute of Physics Publishing, Bristol and Philadelphia, 1998), Vol. I, pp. 167-168.

A. Solyom, P. Marko, A. Lovas: Microcrystalline Fe-Si-Co ribbons prepared by rapid solidification. In: *Proc. 10th International Symposium on Metallography (Tatranska Lomnicka, Slovakia, 1998)*, pp. 512-513

K. Tompa, P. Bánki, J. Garaguly, G. Lasanda, L. Vasáros: Partition of hydrogen in Ni-Zr-H alloys. In: *Proc. Joint 29th AMPERE — 13th ISMAR Int. Conference (Berlin, 1998)*. D. Ziessow, W. Lubitz and F. Lenzian (eds.), Vol. I., pp. 172-173.

I. Varga, L. Pogány, C. Hargitai, I. Bakonyi: Domain wall movement on Fe₈₅B₁₅ investigated by stroboscopic SEM. In: *Proc. 14th Int. Congress on Electron Microscopy (Cancun, Mexico, 1998)*. Eds. H.A. Calderón Benavides and M. José Yacamán (Institute of Physics Publishing, Bristol and Philadelphia, 1998), Vol. II, pp. 557-558.

1999

B. Varga: On the rate of $\alpha \leftrightarrow \beta$ transformation in Fe-rich Fe-Ni alloys. In: *Proc. of Scientific Conference (Fac. of Electrical Engineering and Informatics, Technical University of Kosice, Slovakia, 1999)*, pp. 157-160.

B. Varga, É. Zsoldos, G. Gerencsér, A. Lovas: Study of phase transformation in $\text{Fe}_{100-x}\text{Ni}_x$ rapidly quenched alloys using thermomagnetic measurements. In: *Proc. 16th Int. Coll. on Advanced Manufacturing Technologies in Vehicle Industry (Balatonfüred, 1999)*, pp. 49-54.

2000

I. Bakonyi, L. Péter, E. Tóth-Kádár, J. Tóth: Giant magnetoresistance (GMR) in nanoscale metallic multilayers: Achievements and challenges in electrochemistry. In: *Bull. of the Techn. Div. on Fine Plating of the Surface Finishing Society of Japan*, No. 59, pp. 31-40 (2000) [**Invited paper** at the 59th Symp. of the Fine Plating Division (Chuo University, Tokyo, 2000)]

P. Kamasa, M. Pyda, M. Merzlyakov, C. Schick, B. Wunderlich: Multi-frequency heat capacity measurement by different types of temperature modulation. In: *Proc. 28th Annual NATAS (North American Thermal Analysis Society) Conference* (Orlando, FL, USA, 2000). Eds. K.J. Kociba and T. Kirchner-Jean (North American Thermal Analysis Society, Orlando, FL, 2000), pp. 889-894.

P. Myslinski, P. Kamasa, A. Wasik, M. Pyda, B. Wunderlich: Characterization of the ceramic coating of iron with TiN by temperature-modulated thermomagnetometry, thermal dilatometry, and DTA. In: *Proc. 28th Annual NATAS (North American Thermal Analysis Society) Conference* (Orlando, FL, USA, 2000). Eds. K.J. Kociba and T. Kirchner-Jean (North American Thermal Analysis Society, Orlando, FL, 2000), pp. 88-93.

I. Varga: Setting up a stroboscopic measurement by reprogramming a digital lock-in amplifier. In: *Proc. 23rd Int. Spring Seminar on Electronics Technology (Balatonfüred, Hungary, 2000)*. Published by the Dept. of Electronic Technology, Budapest University of Technology and Economy, pp. 445-448 (2000)

I. Varga, L. Pogány, C. Hargitai: In situ domain movement investigation. In: *Proc. 23rd Int. Spring Seminar on Electronics Technology (Balatonfüred, Hungary, 2000)*. Published by the Dept. of Electronic Technology, Budapest University of Technology and Economy, pp. 480-483 (2000)

2001

A. Buzin, P. Kamasa, M. Pyda, B. Wunderlich: Application of Wollstone wire probes for quantitative thermal analysis. In: *Proc. 29th Annual NATAS (North American Thermal Analysis Society) Conference* (St. Louis, MO, USA, 2001). Eds. K.J. Kociba and B.J. Kociba (North American Thermal Analysis Society, Orlando, FL, 2001), pp. 649-654.

J. Gubicza, G. Ribárik, I. Bakonyi, T. Ungár: Microstructure of a rapidly quenched nanocrystalline $\text{Hf}_{11}\text{Ni}_{89}$ alloy from X-ray diffraction. In: *Proc. EUROMAT-2001 Conference* (Rimini, Italy, 2001), on CD-ROM.

Johnson, F.; Hsaio, A.; Ashe, C.; Laughlin, D.; Lambeth, D.; McHenry, M.E.; Varga, L.K.; Magnetic nanocomposite materials for high temperature applications. In: *Proc. 1st IEEE Conf. on Nanotechnology (IEEE-NANO 2001)*, Session Nanomagnetism I, pp. 1-6.

P. Kamasa, A. Buzin, M. Pyda, B. Wunderlich: The use of infra-red light-modulated temperature in DSC by application of pulse-width modulation. In: *Proc. 29th Annual NATAS (North American Thermal Analysis Society) Conference* (St. Louis, MO, USA, 2001). Eds. K.J. Kociba and B.J. Kociba (North American Thermal Analysis Society, Orlando, FL, 2001), pp. 600-604.

2003

Bárdos A, Lovas A, Varga LK; On the criteria of bulk amorphous phase formation during liquid quench; in: *Proc. 20th Int. Colloquium on Materials, Technologies, Design, Maintenance and their Application in the Field of Transportation (Žilina, Slovakia, 2003)*. Eds. O. Bokuvka, P. Palcek, E. Tillová, A. Töröková (University of Žilina, Žilina, Slovakia, 2003); pp. 25-28 [ISBN 80-8070-074-5]

Kalincsák Z, Takács J, Pogány L; The construction and development of a sample holder for the observation of ferromagnetic domain structure at elevated temperature; in: *Proc. 20th Int. Colloquium on Materials, Technologies, Design, Maintenance and their Application in the Field of Transportation (Žilina, Slovakia, 2003)*. Eds. O. Bokuvka, P. Palcek, E. Tillová, A. Töröková (University of Žilina, Žilina, Slovakia, 2003); pp. 13-16 [ISBN 80-8070-074-5]

2004

Bárdos A, Cziráki Á, Lovas A, Révész Á, Varga LK; Thermomagnetic and thermal effects during the devitrification of Fe-C-B glassy alloys; In: *Proc. 16th Int. Conf. on Soft Magnetic Materials (2003, Düsseldorf, Germany)*. Ed. D. Rabe (Verlag Stahleisen GmbH, Düsseldorf, 2004), Vol. 2, pp. 531-536.

Kolano R, Kolano-Burian A, Szyrowski J, Winczura L, Varga LK, Kulik T; Transverse magnetic anisotropy effect in the $(\text{Fe}_{1-x}\text{Co}_x)_{73.5}\text{Cu}_1\text{Nb}_3\text{Si}_{13.5}\text{B}_9$ alloys; In: *Proc. 16th Int. Conf. on Soft Magnetic Materials (2003, Düsseldorf, Germany)*. Ed. D. Rabe (Verlag Stahleisen GmbH, Düsseldorf, 2004), Vol. 2, pp. 615-619.

Pogány L, Szabó S, Hargitai C, Pádár J, Juhász R, Daróczi L, Beke D; Domain structure investigation of FINEMET type amorphous ribbons after different thermal annealing; In: *Proc. 16th Int. Conf. on Soft Magnetic Materials (2003, Düsseldorf, Germany)*. Ed. D. Rabe (Verlag Stahleisen GmbH, Düsseldorf, 2004), Vol. 2, pp. 651-656.

2005

Dyakova V, Kamenova Tz, Varga LK, Bakonyi I, Stojanova L, Russew K, Yankova S; Structural features, thermal and mechanical properties of rapidly solidified amorphous and nanocrystalline cobalt-zirconium alloys of high cobalt content; In: *Proc. 20th Natl. Conf. on Non-Destructive Testing (Sozopol, Bulgaria, 2005)*. *Nauchn. Izv. na NTS po Mashinostroeniya (Bulgaria)* **12**, pp. 299-302 (2005)

Fazakas É, Varga LK, Kulik T; Al-based amorphous alloys at the limit of glass forming ability; in: Idzikowski B, Švec P, Miglierini M (Eds.): *Properties and Applications of Nanocrystalline Alloys from Amorphous Precursors (Proc. NATO ARW, Budmerice, Slovakia, 2003)*; NATO Science Series II (Kluwer, Dordrecht, 2005), Vol 184, pp. 321-329.

G. Klupp, K. Kamarás, N.M. Nemes, P. Matus, D. Quintavalle, L.F. Kiss, É. Kováts, S. Pekker and A. Jánossy: Nanosegregation in Na_2C_{60} . *AIP Conf. Proc.* **786**, 17-20 (2005)

Kuzmann E, Lakatos-Varsányi M, Varga LK, Mikó A, Kálmán E, Homonnay Z, Nagy F, Vértés A; Mössbauer study of electrodeposited Fe/Fe-oxide multilayers; *AIP Conf. Proc.* **765**, 211–216 (2005)

Mazaleyrat F, Gercsi Z, Varga LK; Induced anisotropy and magnetic properties at elevated temperatures of Co-substituted FINEMET alloys; in: Idzikowski B, Švec P, Miglierini M (Eds.): *Properties and Applications of Nanocrystalline Alloys from Amorphous Precursors (Proc. NATO ARW, Budmerice, Slovakia, 2003)*; NATO Science Series II (Kluwer, Dordrecht, 2005), Vol 184, pp. 135-145.

Varga LK, Mazaleyrat F; Magnetic decoupling in soft magnetic nanocrystalline alloys; in: Idzikowski B, Švec P, Miglierini M (Eds.): *Properties and Applications of Nanocrystalline Alloys from Amorphous Precursors (Proc. NATO ARW, Budmerice, Slovakia, 2003)*; NATO Science Series II (Kluwer, Dordrecht, 2005), Vol 184, pp. 157-164.

2006

I. Bakonyi, L. Péter: Progress on electrodeposited multilayer films with giant magnetoresistance (GMR) behaviour: 1993-2004. In: *Proc. 8th Int Symp. on Magnetic Materials, Processes and Devices (206th Electrochemical Society Meeting, Honolulu, Hawaii, U.S.A., 2004)*. Eds. S. Krongelb, C. Bônhotte, S. R. Brankovic, Y. Kitamoto, T. Osaka, W. Schwarzacher, and G. Zangari (The Electrochemical Society, Pennington, New Jersey, U.S.A., 2006), ECS PV 2004-23, pp. 227-244.

I. Bakonyi, L. Péter: Electrodeposited multilayer films with giant magnetoresistance (GMR) behaviour. In: *Proc. Int. Workshop on Nanostructured Materials in Electroplating* (Sandanski, Bulgaria, 2006). Eds. D. Stoychev, E. Valova, I. Krastev and N. Atanassov (St. Kliment Ohridski University Press, Sofia, 2006), pp. 75-80.

2009

Kamasa P, Bokor M, Tompa K; Identification the type of mobile water in frozen NaCl, KCl aqueous and tris buffered solutions by DSC and NMR methods; in: *Proc. Sci. Conf. Physics of Materials*; Eds. V. Lisý and D. Olčák (Faculty of Electrical Engineering and Informatics, TU Košice, Slovakia, 2009), pp. 104-108.

Stojanova L, Yankova S, Fazakas E, Varga LK, Russew K; Thermal stability and mechanical properties of Al-U based amorphous alloys (in Bulgarian); In: *Proc. 24th Natl. Conf. on Non-Destructive Testing (Sozopol, Bulgaria, 2009)*. *Nauchno-tekhicheski Soyuz po Mashinostroeniya (Bulgaria)* **16**(1), pp. 260-266 (2009)

Stojanova L, Yankova S, Fazakas E, Varga LK, Russew K; Thermal behaviour Al_{100-x}Y_x amorphous alloys (in Bulgarian); In: *Proc. 24th Natl. Conf. on Non-Destructive Testing (Sozopol, Bulgaria, 2009)*. *Nauchno-tekhicheski Soyuz po Mashinostroeniya (Bulgaria)* **16**(1), pp. 267-272 (2009)

Stojanova L, Fazakas É, Varga LK, Yankova S, Russew K; Thermal stability and viscosity of rapidly solidified amorphous alloys Al₈₅Ni₅Co₂RE₈ (RE= Gd, Ce, U) (in Bulgarian); In: *Proc. 25th Natl. Conf. On Non-Destructive Testing*; *Nauchno Izvestiya na HTCM (Bulgaria)* ISSN 1310-3946; **27**, 179-185 (2010)

2012

S.S. Modak, F. Mazaleyrat, M. Lo Bue, L.K. Varga, S.N. Kane: Effective anisotropy field distribution of soft magnetic nanocrystalline Fe₈₄Zr_{3.5}Nb_{3.5}B₈Cu₁ ribbons. *AIP Conf. Proc.* **1447**, 1163-1164 (2012)

C. Hargitai, I. Bakonyi and T. Kemény (eds.): *Proc. Conf. on Metallic Glasses: Science and Technology (Budapest, 1980)*. Central Research Institute for Physics (Budapest, 1981). Vols. 1 and 2.

E. Lippmaa, E. Joon, I. Heinmaa, A. Vainrub, V. Miidel, A. Miller, I.F. Schegolev, I. Furó, L. Mihály: Copper NMR and NQR studies of the $\text{Yba}_2\text{Cu}_3\text{O}_{7-x}$ high T_c superconductor. In: A.I. Larkin and N.V. Zavaritsky (eds.): *High temperature superconductivity from Russia. Progress in High Temperature Superconductivity* (World Scientific, Singapore, 1989), Vol. 11, pp. 187-200.

K. Tompa: Nuclear magnetic resonance in geosciences. In: *Nuclear Methods in Mineralogy and Geology. Techniques and Applications*. Eds. A. Vértes, S. Nagy and K. Süvegh (Plenum Press, New York, 1998), pp. 251-284.

József Szalma, László Péter, Zoltánné Szetey: *Fizikai-kémiai gyakorlatok biológus hallgatók számára* (Laboratory practice in physical chemistry for biology major students, in Hungarian). Egyetemi jegyzet (ELTE TTK, Budapest, 2000)

L.K. Varga (editor): *Proc. of the 14th International Conference on Soft Magnetic Materials (SMM 14, September 8-10, 1999, Balatonfüred, Hungary)*. *J. Magn. Magn. Mater.* **215-216**, pp. 1-828 (2000)

L. Péter and I. Bakonyi; Electrodeposition and properties of nanoscale magnetic/non-magnetic metallic multilayer films; Chapter 12 in: *Electrocrystallization in Nanotechnology*; Ed. G. Staikov (Wiley-VCH, Weinheim, Germany, 2007), pp. 242-260.

Szalma J, Láng Gy, Péter L; *Alapvető fizikai-kémiai mérések és a kísérleti adatok feldolgozása (Basic physical chemistry measurements and evaluation of experimental data, in Hungarian)*; ELTE Eötvös Kiadó (Budapest, 2007), pp. 1-211.

Tompa K, Bokor M, Tompa P; Chapter 12. Hydration of intrinsically disordered proteins from wide-line NMR; In: *Instrumental Analysis of Intrinsically Disordered Proteins: Assessing Structure and Conformation*. Eds. Uversky V.N. and Longhi S. (Wiley, Hoboken, N.J., 2010), pp. 345-368.

Péter L, Bakonyi I; Electrodeposition as a fabrication method of magnetic nanostructures. In: *Nanomagnetism and Spintronics: Fabrication, Materials and Characterization, and Applications*; Eds.: Nasirpour F and Nogaret A (World Scientific, Singapore, 2011), Ch. 5, pp. 89-120; {<http://www.worldscibooks.com/nanosci/7281.html>} ISBN: 978-981-4273-05-03

Tompa K; Bokor M; Tompa P; Chapter 13. Wide-line NMR and protein hydration; In: *Intrinsically Disordered Protein Analysis: Vol. 1, Methods and Experimental Tools*; Eds: V.N. Uversky, A.K. Dunker (Springer Science+Business Media, LLC, New York, NY, USA, 2012); Book Series: *Methods in Molecular Biology*; Volume 895, Part 2, pp. 167-196, DOI: 10.1007/978-1-61779-927-3_13