

List of Publications

(1980-2014)

László Gránásy

1. J. Balogh, I. Dézsi, B. Fogarassy, L. Gránásy, D. L. Nagy, I. Vincze, S. Arajs:
Influence of atomic substitution on short-range order in amorphous $Fe_{84}B_{16-x}C_x$ alloys.
J. de Physique **41**, C1-253-254 (1980).
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2. L. Gránásy, T. Kemény:
The non-existence of a general correction term in continuous heating experiments.
Thermochim. Acta **164**, 289-294 (1980).
IF: 0.742
- 3.* L. Gránásy, A. Lovas, T. Kemény:
The influence of thermal history on the physical properties of metallic glasses.
Proc. Conf. on Metallic Glasses: Science and Technology, eds. C. Hargitai, I. Bakonyi and T. Kemény, (Kultúra, Budapest, 1981) Vol. I, pp. 197-202.
- 4.* T. Kemény, I. Vincze, J. Balogh, L. Gránásy, B. Fogarassy, F. Hajdu, E. Sváb:
Thermal stability and crystallization of transition metal-boron metallic glasses.
Proc. Conf. on Metallic Glasses: Science and Technology, eds. C. Hargitai, I. Bakonyi and T. Kemény, (Kultúra, Budapest, 1981) Vol. I, pp. 231-238.
- 5.* J. Balogh, Á. Cziráki, L. Gránásy, D. L. Nagy, S. Arajs, M. Z. El-Gamal:
Structure and crystallization of $Fe_{84}B_{16-x}C_x$ glasses.
Proc. Conf. on Metallic Glasses: Science and Technology, eds. C. Hargitai, I. Bakonyi and T. Kemény, (Kultúra, Budapest, 1981) Vol. II, pp. 165-170.
- 6.* A. Lovas, L. Gránásy, K. Zábó-Balla, J. Király:
Influence of transition-metal additions on the thermal stability of $Fe_{80}TM_3B_{17}$ quasi-eutectic metallic glasses.
Proc. Conf. on Metallic Glasses: Science and Technology, eds. C. Hargitai, I. Bakonyi and T. Kemény, (Kultúra, Budapest, 1981) Vol. II, pp. 291-297.
7. 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. Mater. **26**, 109-111 (1982).
IF: 0.946
8. S. Arajs, R. Caton, M. Z. El-Gamal, L. Gránásy, J. Balogh, Á. Cziráki, I. Vincze:
Crystallization of glassy $Fe_{84}B_{16-x}C_x$ alloys.
Phys. Rev. B **25**, 127-135 (1982).
IF: 3.016
- 9.* Zs. Kajcsos, L. Marczis, L. Gránásy, Cs. Szeles, D. Kiss, A. Lovas, G. Bauer:
Influence of production process on metallic glasses as seen by positron annihilation.
Positron Annihilation, eds. P. G. Coleman, S. C. Sharma, L. M. Diana, (North-Holland, 1982), pp. 601-603.
10. Gy. Faigel, L. Gránásy, I. Vincze, H. de Waard:
Crystallization and local order of bulk As_xTe_{1-x} glasses.
J. Non-Cryst. Solids **57**, 411-421(1983).
IF: 1.411
11. B. Fogarassy, A. Böhönyi, Á. Cziráki, I. Szabó, Gy. Faigel, L. Gránásy, T. Kemény, I. Vincze:
Investigation of the thermal relaxation in glassy $Ni_{80-x}Fe_xP_{20}$ alloys.
J. Non-Cryst. Solids **61-62**, 907-912 (1984).
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12. L. Gránásy, A. Lovas:
The influence of technological conditions on the Curie-point relaxation of $Fe_{25}Ni_{55}B_{10}Si_{10}$ metallic glasses.
J. Magn. Magn. Mater. **41**, 113-115 (1984).
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13. T. Kemény, L. Gránásy:
The evaluation of kinetic parameters from non-isothermal experiments.
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- 14.* 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.
Application of the Mössbauer Effect, eds. Yu. M. Kagan, I. S. Lyubutin, (Gordon and Breach Sci. Publ., N. Y., London, Paris, Montreaux, Tokyo, 1985), pp 1307-1311.
15. L. Gránásy, Gy. Mészáros:
Models for continuous casting of metallic glass ribbons I: The applicability of the infinite viscosity assumption for thermal history calculations.
Mater. Sci. Eng. **72**, 71-83 (1985).
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- 16.* L. Gránásy, Gy. Mészáros:
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Rapidly Quenched Metals, eds. S. Steeb, H. Warlimont, (Elsevier Sci. Publ. B.V., 1985), Vol. I, pp. 75-78.
- 17.* Zs. Kajcsos, L. Gránásy, T. Kemény, L. F. Kiss, É. Kisd-Koszó, G. Konczos, A. Lovas, L. Marczis, Cs. Szeles, G. Bauer:
Imperfection structure of metallic glasses studied by positron annihilation.
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18. B. Fogarassy, A. Böhöneyei, Á. Cziráki, I. Szabó, L. Gránásy, A. Lovas, I. Bakonyi:
Relaxation study of Ni-P-B metallic glasses.
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19. L. Gránásy:
Analysis of the ribbon formation process in the single roller rapid solidification technique.
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20. Gy. Faigel, L. Gránásy, T. Kemény, A. Lovas, I. Vincze, W. Howing, . H. L. O. Scholte, F. van der Woude, R. Hauert, P. Oelhafen, H. J. Güntherodt:
Correlation between the atomic and electronic structure of metallic glasses.
Hyperfine Interactions **27**, 381-384 (1986).
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21. Y. Shiraishi, L. Gránásy:
Viscosity of glassy $Na_2O-B_2O_3-SiO_2$ system.
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ISSN : 0040876X, <http://ci.nii.ac.jp/naid/110001053222/en>
22. Y. Shiraishi, L. Gránásy, Y. Waseda, E. Matsubara:
Viscosity of glassy $Na_2O-B_2O_3-SiO_2$ system.
J. Non-Cryst. Solids **95-96**, 1031-1038 (1987).
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23. G. K. Panova, M. N. Khlopin, H. A. Chernoplekov, A. A. Shikov, B. Fogarassy, L. Gránásy, S. Pekker, L. Mihály:
Specific heat of $YBa_2Cu_3O_7$ superconductors in magnetic field.
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High T_c superconductors, ed H. W. Weber, (Plenum, NY, London, 1988), pp. 95-97.
25. L. Gránásy:
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26. L. Gránásy:
Mechanism of ribbon formation in single-roller quenching.
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27. A. Ludwig, G. Frommeyer, L. Gránásy:
Modelling of crystal growth during the ribbon formation in planar flow casting.
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28. T. Kemény, L. Gránásy, A. Lovas, I. Vincze:
Local structure of amorphous (Ni, Fe)-Zr alloys.
J. Non-Cryst. Solids **117-118**, 168-171 (1990).
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29. Cs. Fetzer, L. Gránásy, T. Kemény, M. Tegze, I. Vincze:
Laser melted Fe-B alloys.
J. Non-Cryst. Solids **117-118**, 160-163 (1990).
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CEMS investigation of near surface structure.
Hyperfine Interactions **57**, 1823-1828 (1990).
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35. A. Ludwig, G. Frommeyer, L. Gránásy:
Modelling of dendritic growth during ribbon formation in planar flow casting.
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36. L. Gránásy, M. Tegze:
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37. L. Gránásy, A. Ludwig:
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A simplified treatment of transient nucleation in case of rapid quenching.
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Structure and stability of crystalline C₆₀-n-pentane clathrate.
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Nucleation controlled transformation in ball milled FeB.
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Magnetic disorder in amorphous Fe-rich Fe-Zr alloys.
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Quantitative analysis of the classical nucleation theory on glass forming alloys.
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Diffuse interface theory of nucleation.
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