

1. **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., **200**, 265-275, (1995) DOI: 10.1007/BF02164089
i.f. = 0.243
2. **M. Bokor**, T. Marek, K. Tompa
“Solid State NMR in 1-Propyltetrazole Complexes of Iron(II) and Zinc(II). 1. ^1H Spin-Lattice Relaxation Time”
J. Magn. Reson., **A122**, 157-164 (1996) DOI: 10.1006/jmra.1996.0191
i.f. = 2.213
3. **M. Bokor**, T. Marek, K. Süvegh, K. Tompa, A. Vértes, Zs. Nemes-Vetéssy, K. Burger
“Positron Annihilation and ^1H NMR Study of $[\text{Zn}(1\text{-propyltetrazole})_6](\text{BF}_4)_2$ and $[\text{Fe}(1\text{-methyltetrazole})_6](\text{BF}_4)_2$ Complexes”
J. Radioanal. Nucl. Chem., Articles, **211**, 247-253 (1996) DOI: 10.1007/bf02036279
i.f. = 0.244
4. **M. Bokor**, T. Marek, K. Tompa, A. Vértes
“Solid State ^1H NMR in 1-Propyltetrazole Complexes of Iron(II) and Zinc(II)”
J. Mol. Struct., **410-411**, 1-3 (1997) DOI: 10.1016/S0022-2860(96)09741-4
i.f. = 0.884
5. **M. Bokor**, T. Marek, K. Süvegh, K. Tompa, A. Vértes
“ Fe^{2+} Spin-Crossover Complexes: Structure and Positron Annihilation”
Mat. Sci. Forum, **255-257**, 281-283 (1997) DOI: 10.4028/www.scientific.net/MSF.255-257.281
i.f. = 0.981
6. A. Vértes, **M. Bokor**, K. Süvegh, T. Marek
“Positron Lifetime Study in Single Crystals of Iron (II) Coordination Compounds”
Mat. Sci. Forum, **255-257**, 445-447 (1997) DOI: 10.4028/www.scientific.net/MSF.255-257.445
i.f. = 0.981
7. 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. Solids, **59**, 1235-1239 (1998) DOI: 10.1016/S0022-3697(98)00045-6
i.f. = 0.909
8. **M. Bokor**, T. Marek, K. Süvegh, Zs. Böcskei, J. Buschmann, A. Vértes
“Ortho-positronium lifetime as a detector of spin-crossover”
Acta Phys. Pol. A, **95**, 469-473 (1999) DOI: 10.12693/APhysPolA.95.469
i.f. = 0.351
9. 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) DOI: 10.1007/BF02349529
i.f. = 0.605
10. A. Vértes, K. Süvegh, **M. Bokor**, A. Domján, T. Marek, B. Iván, Gy. Vankó
“Positronium as a tool to monitor changes of chemical structure”
Radiation Phys. Chem., **55**, 541-548 (1999) DOI: 10.1016/S0969-806X(99)00243-1
i.f. = 0.512

- 11. M. Bokor**, T. Marek, K. Tompa, P. Gütlich, A. Vértes
“Dynamics of BF_4^- anion reorientation in the spin-crossover compound $[\text{Fe}(1\text{-}n\text{-propyl}-1\text{H-tetrazole})_6](\text{BF}_4)_2$ and in its Zn^{II} analogue”
Eur. Phys. J. D, **7**, 567-571 (1999) DOI: 10.1007/s100530050382
i.f. = 1.448
- 12. 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. Solids, **61**, 621-631 (2000) DOI: 10.1016/S0022-3697(99)00231-0
i.f. = 1.003
- 13. K. Tompa, P. Bánki, M. Bokor, G. Lasanda**
“Hydrogen spectroscopy of $\text{Pd}_{0.9}\text{Ag}_{0.1}$ -H alloys on NMR scales”
Europhysics Letters, **53**, 79-85 (2001) DOI: 10.1209/epl/i2001-00126-5
i.f. = 2.304
- 14. L. Almásy, P. Bánki, M.-C. Bellissent-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 Part 1 Suppl. (2002) DOI: 10.1007/s003390201783
i.f. = 2.231
- 15. K. Tompa, P. Bánki, M. Bokor, G. Lasanda, L. Vasáros**
”Diffusible and residual hydrogen in amorphous Ni(Cu)-Zr-H alloys”
J. Alloy Compd., **350**, 52-55 (2003) DOI: 10.1016/S0925-8388(02)00981-7
i.f. = 1.080
- 16. A. Zentko, M. Bokor, M. Lukacova, M. Marysko, M. Mihalik, Z. Mitroova, M. Zentkova**
“Magnetic properties of $\text{Pr}[\text{Fe}(\text{CN})_6] \cdot 5\text{H}_2\text{O}$ ”
Physica Status Solidi A-Applied Research, **196**, 340-343 (2003) DOI:
10.1002/pssa.200306421
i.f. = 0.950
- 17. Z. Mitroova, A. Zentko, J. Trpcevska, M. Lukacova, K. Csach, M. Bokor**
”Rare earth ferricyanides”
Solid State Chemistry V, Solid State Phenomena, **90-91**, 85-90 (2003) DOI:
10.4028/www.scientific.net/SSP.90-91.85
i.f. = 0.687
- 18. T. Marek, M. Bokor, K. Tompa, A. Vértes, K. Süvegh, Z. Nemes-Vetéssy, K. Burger**
”Extended NMR study of spin-crossover compounds $[\text{Fe}(1\text{-alkyl}-1\text{H-tetrazole})_6](\text{BF}_4)_2$ and their Zn-II analogs”
Structural Chemistry, **14**, 349-368 (2003) DOI: 10.1023/A:1024497826851
i.f. = 1.537
- 19. K. Tompa, P. Bánki, M. Bokor, G. Lasanda, L. K. Varga, Y. Champion, L. Takács**
”Quadrupole effects in ^{63}Cu NMR spectroscopy of copper nanocrystals”
Appl. Magn. Reson., **27**(1-2), 93-107 (2004) DOI: 10.1007/BF03166305
i.f. = 0.665
- 20. K. Tompa, P. Bánki, M. Bokor**
”Chemical and intrinsic hydrogen diffusion in $\text{Pd}_{0.75}\text{Ag}_{0.25}$ -H alloys”
Defects and Diffusion in Metals: An Annual Retrospective VI, Defect And Diffusion Fo-

rum, **224-225**, 93-106 (2003) DOI: 10.4028/www.scientific.net/DDF.224-225.93
i.f. = 0.343

- 21.** M. Sendek, A. Zentko, M. Mihalik, M. Zentková, Z. Mitróová, V. Kavečanský, M. Bokor, M. Maryško
Magnetic properties and ^1H NMR study of $\text{TM}_2^{2+}[\text{Mo}^{\text{IV}}(\text{CN})_8] \cdot n\text{H}_2\text{O}$
Czechoslovak Journal of Physics, **54** Suppl. D, D551-D554 (2004)
i.f. = 0.292
- 22.** F. Borondics, E. Jakab, **M. Bokor**, P. Matus, K. Tompa, S. Pekker
"Reductive Functionalization of Carbon Nanotubes"
Fullerenes, Nanotubes and Carbon Nanostructures, **13**, 375-382 Suppl. 1 (2005) DOI:
10.1081/FST-200039375
i.f. = 0.776
- 23.** V. Csizmák, **M. Bokor**, P. Bánki, É. Klement, K. F. Medzihradszky, P. Friedrich, K. Tompa, P. Tompa
"Primary contact sites in intrinsically unstructured proteins: the case of calpastatin and microtubule-associated protein 2"
Biochemistry US, **44**, 3955-3964 (2005) DOI: 10.1021/bi047817f
i.f. = 3.848
- 24.** **Bokor**, P. Bánki, G. Lasanda, K. Tompa
" ^1H NMR Analysis of Nuclear Relaxation Mechanisms in Pd–H and Pd–Ag–H Alloys"
J. Alloy. Compd. 404-406C, pp. 238-242 (2005) DOI: 10.1016/j.jallcom.2005.01.117
i.f. = 1.370
- 25.** **M. Bokor**, V. Csizmák, P. Bánki, P. Friedrich, P. Tompa, K. Tompa
"NMR relaxation studies on the hydrate layer of intrinsically unstructured proteins"
Biophysical Journal, **88**, 2030-2037 (2005) DOI: 10.1529/biophysj.104.051912
i.f. = 4.507
- 26.** Pekker S, Kovats E, Oszlanyi G, Benyei G, Klupp G, Bortel G, Jalovszky I, Jakab E, Borondics F, Kamaras K, **Bokor M**, Kriza G, Tompa K, Faigel G
"Rotor-stator molecular crystals of fullerenes with cubane"
Nature Materials 4(10): 764-767 (2005) DOI: 10.1038/nmat1468
i.f. = 15.941
- 27.** Z. Mitroová, M. Mihalik, A. Zentko, **Bokor M**, K. Kamarás, V. Kavečanský, J. Kováč, K. Csach, J. Trpčevská
"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-Silikáty **49** (3): 181-187 (2005)
i.f. = 0.463
- 28.** J. Kováč, M. Zentková, **M. Bokor**, M. Mihalik, V. Kavečanský, Z. Mitróová, A. Zentko, A. Pekker, K. Kamarás
"Magnetic properties and ^1H NMR spectroscopy of $\text{TM}_2^{2+}[\text{W}^{\text{IV}}(\text{CN})_8] \cdot n\text{H}_2\text{O}$ "
Physica Status Solidi C: Conferences, **3** (1), 130-133 (2006) DOI:
10.1002/pssc.200562481
i.f. = 1.0
- 29.** P. Tompa, P. Bánki, **M. Bokor**, P. Kamasa, D. Kovács, G. Lasanda, K. Tompa
"Protein-water and protein-buffer interactions in the aqueous solution of an intrinsically unstructured plant dehydrin: NMR intensity and DSC aspects"

Biophysical Journal **91** (6): 2243-2249 (2006) DOI: 10.1529/biophysj.106.084723
i.f. = 4.757

- 30.** P. Kamasa, **M. Bokor**, M. Pyda, K. Tompa
DSC approach for the investigation of mobile water fractions in aqueous solutions of NaCl and Tris buffer
Thermochimica Acta, **464**: 29-34 (2007) DOI: 10.1016/j.tca.2007.08.001
i.f. = 1.562
- 31.** G. Lasanda, P. Bánki, **M. Bokor**, K. Tompa
"¹H NMR spectra and echoes in Pd–H and Pd–Ag–H alloys"
J. Alloy. Compd., **450**: 22-27 (2008) DOI: 10.1016/j.jallcom.2006.10.118
i.f. = **1.510**
- 32.** Edit Szollosi, **Monika Bokor**, Andrea Bodor, Andras Perczel, Eva Klement, Katalin F. Medzihradszky, Kalman Tompa, and Peter Tompa
"Intrinsic structural disorder of Df31, a Drosophila protein of chromatin decondensation and remodeling activities"
J. Proteome Res., **7**:2291-2299 (2008) DOI: 10.1021/pr700720c
i.f. = 5.684
- 33.** **Bokor, M.**, Tompa, K., Kiss, L.F., Zentková, M., Zentko, A., Mihalik, M., Maťaš, S., Mitróová, Z
¹H NMR on (Ni_xMn_{1-x})₃[Cr(CN)₆]₂ · nH₂O
Acta Physica Polonica A, **113**(1):485-488 (2008)
i.f. = 0.321
- 34.** **M. Bokor**, P. Matus, P. Banki, G. Kriza, K. Tompa, E. Kovats, S. Pekker, G. Benyei, I. Jalovszky
¹H NMR spectrum and spin-lattice relaxation in C₆₀·C₈H₈
physica status solidi b, **245**(10), 2010-2012 (2008) DOI: 10.1002/pssb.200879638
i.f. = 1.166
- 35.** Kálmán Tompa, Péter Bánki, **Mónika Bokor**, Paweł Kamasa, György Lasanda, and Péter Tompa
Interfacial Water at Protein Surfaces: Wide-Line NMR and DSC Characterization of Hydration in Ubiquitin Solutions
Biophys. J., **96**(7), 2789-2798 2009 DOI: 10.1016/j.bpj.2008.11.038
i.f. = 4.683
- 36.** Balázs A., Csizmák V., Buday L., Rakács M., Kiss R., **Bokor M.**, 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**(14), 4168-4180 (2009) DOI: 10.1111/j.1742-4658.2009.07090.x
i.f. = 3.139
- 37.** P. Matus, **M. Bokor**, G. Kriza, E. Kovats, S. Pekker, A. Domjan, G. Durko, I. Jalovszky
¹³C NMR investigation of fullerene-cubane C₆₀C₈H₈ cocrystals
physica status solidi b, **246**(11-12), 2764-2766 (2009) DOI: 10.1002/pssb.200982347
i.f. = 1.166

- 38.** Tompa K., Bokor M., Tompa P., 2010. PART II. Chapter 12. Hydration of intrinsically disordered proteins from wide-line NMR in: Instrumental Analysis of Intrinsically Disordered Proteins: Assessing Structure and Conformation (Wiley Series in Protein and Peptide Science) Vladimir Uversky (Author), Sonia Longhi (Author) Hardcover: 744 pages. John Wiley & Sons, Incl., Hoboken, New Jersey. ISBN: 978-0-470-34341-8. pp. 345-368. DOI: 0.1002/9780470602614.ch12
i.f. = –
- 39.** K. Tompa, P. Bánki, **M. Bokor**, P. Kamasa, P. Rácz and P. Tompa,
Hydration Water/Interfacial Water in Crystalline Lens
Experimental Eye Research, **91**, 76-84 (2010) DOI: 10.1016/j.exer.2010.04.005
i.f. = 2.817
- 40.** E. Hazy, M. Bokor, L. Kalmar, A. Gelencser, 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) DOI: 10.1016/j.bpj.2011.08.052
i.f. = 4.218
- 41.** Tompa K. Bokor M. Tompa P.
Wide-line NMR and protein hydration.
Methods Mol. Biol., **895**, 167-196 (2012) DOI: 10.1007/978-1-61779-927-3_13
i.f. = –
- 42.** A.Tantos, K. Sznika, B. Szabo, M. Bokor, P. Kamasa, P. Matus, A. Bekesi, K. Tompa, K.-H. Han, P. Tompa
Structural disorder and local order of hNopp140
Biochim. Biophys. Acta (BBA) - Proteins and Proteomics, **1834**, 2013. DOI: 342-350
10.1016/j.bbapap.2012.08.005
i.f. = 3.191
- 43.** A. Tantos, B. Szabo, A. Lang, Z. Varga, M. Tsylonok, M. Bokor, T. Verebelyi, P. Kamasa, K. Tompa, A. Perczel, L. Buday, S.H. Lee, Y. Choo, K.-H. Han, P. Tompa
Multiple fuzzy interactions in the moonlighting function of thymosin- β_4
Intrinsically Disordered Proteins, **1**, e26204, 2013. DOI: 10.4161/idp.26204
i.f. = –
- 44.** V. Zólyomi, H. Peterlik, J. Bernardi, M. Bokor, I. László, J. Koltai, J. Kürti, M. Knupfer, H. Kuzmany, T. Pichler, F. Simon
Toward Synthesis and Characterization of Unconventional C₆₆ and C₆₈ Fullerenes inside Carbon Nanotubes
J. Phys. Chem. C, 2014, **118**, 30260-30268. DOI: 10.1021/jp509755x
i.f. = 4.772
- 45.** K. Németh, E. Jakab, F. Borondics, H.M. Tóháti, Á. Pekker, M. Bokor, T. Verebélyi, K. Tompa, S. Pekker, K. Kamarás
Breakdown of diameter selectivity in a reductive hydrogenation reaction of single-walled carbon nanotubes
Chem.Phys. Lett., **618**, 2015, 214-218. DOI: 10.1016/j.cplett.2014.11.019
i.f. = 1.860
- 46.** K. Tompa, M. Bokor, T. Verebélyi, P. Tompa
Water rotation barriers on protein molecular surfaces,

Chem. Phys., **448**, 2015, 15-25, DOI: 10.1016/j.chemphys.2014.12.008
i.f. = 2.894

- 47.** A. Pisoni, S. Katrych, A. Arakcheeva, T. Verebélyi, M. Bokor, P. Huang, R. Gaál, P. Matus, J. Karpinski, L. Forró
Single crystals of superconducting SmFeAsO H x: Structure and properties
Phys. Rev. B, **94**, 024525, 2016. DOI: 10.1103/PhysRevB.94.024525
i.f. = 3.836
- 48.** P. Tompa, K.H. Han, M. Bokor, P. Kamasa, Á. Tantos, B. Fritz, D.H. Kim, C. Lee, T. Verebélyi, K. Tompa
Wide-line NMR and DSC studies on intrinsically disordered p53 transactivation domain and its helically pre-structured segment
BMB Rep., **49**, 497-501 (2016) DOI: 10.5483/BMBRep.2016.49.9.037
i.f. = 3.089
- 49.** K. Tompa, M. Bokor, D. Ágner, D. Iván, D. Kovács, T. Verebélyi, P. Tompa
Hydrogen Mobility and Protein–Water Interactions in Proteins in the Solid State
ChemPhysChem, **18**, 677-682 (2017) DOI: 10.1002/cphc.201601136
i.f. = 2.947
- 50.** Retracted: M. Bokor, Á. Tantos, A. Mészáros, B. Jenei, R. Haminda, P. Tompa, K. Tompa
Molecular Motions and Interactions in Aqueous Solutions of Thymosin- β_4 , Stabilin C-Terminal Domain (CTD) and Their 1: 1 Complex Studied by ^1H NMR Spectroscopy
ChemPhysChem, **19**, 848-856 (2018) DOI: 10.1002/cphc.201701187
i.f. = 3.077
- 51.** K. Tompa, M. Bokor, P. Tompa
The Melting Diagram of Protein Solutions and Its Thermodynamic Interpretation
Int. J. Mol. Sci., **19**, 3571 (2018) DOI: 10.3390/ijms19113571
i.f. = 4.183
- 52.** N. Taricska, M. Bokor, D.K. Menyhárd, K. Tompa, A. Perczel
Hydration shell differentiates folded and disordered states of a Trp-cage miniprotein, allowing characterization of structural heterogeneity by wide-line NMR measurements
Sci. Rep., **9**, 2947 (2019) DOI: 10.1038/s41598-019-39121-5
i.f. = 3.998
- 53.** K. Tompa, M. Bokor, P. Tompa
Globular proteins – melting diagrams of aqueous solutions, thermodynamic interpretation
Magyar Kémiai Folyóirat-Kémiai Közlemények (1997-), **125**, 147-155 (2019) DOI: 10.24100/MKF.2019.04.147
i.f. = –
- 54.** M. Bokor, Á. Tantos, P. Tompa, K.H. Han, K. Tompa
WT and A53T α -synuclein systems: Melting Diagram and its new interpretation
Int. J. Mol. Sci., **21**, 3997 (2020) DOI: 10.3390/ijms21113997
i.f. = 4.556
- 55.** M. Bokor, Á. Tantos, A. Mészáros, B. Jenei, R. Haminda, P. Tompa, K. Tompa
Retraction: Molecular Motions and Interactions in Aqueous Solutions of Thymosin- β_4 , Stabilin C-Terminal Domain (CTD) and Their 1: 1 Complex Studied by ^1H NMR Spectroscopy
ChemPhysChem, **21**, 958-958 (2020) DOI: 10.1002/cphc.202000158
i.f. = 3.144

56. M. Bokor, Á. Tantos, A. Mészáros, B. Jenei, R. Haminda, P. Tompa, K. Tompa
Molecular motions and interactions in aqueous solutions of thymosin- β_4 , stabilin CTD and
their 1 : 1 complex, studied by ^1H -NMR spectroscopy
ChemPhysChem, **21**, 1420-1428 (2020) DOI: 10.1002/cphc.202000264
i.f. = 3.144

57. M. Bokor, Á. Tantos
Secondary structures of proteins: a comparison of models and experimental results
J. Proteome Res., **21**, 1802-1808 (2021) DOI: 10.1021/acs.jproteome.0c00986
i.f. = 4.074 (2019/2020)

Magyar nyelvű folyóirat cikk

1. Hatvani, I.; Rácz, P.; Bánki, P.; Bokor, M.; Tompa, K.
"NMR-spektroszkópiával nyert kísérletes és műtéti adatok a vitrectomiát követő gyors
cataractaképződés magyarázatához - I. Az üvegtesti teret kitöltő anyagok NMR-
vizsgálata széles hőmérséklet tartományban"
Szemészet; **143**(1): 7-11 (2006)
2. Rácz Péter, Bánki Péter, Bokor Mónika, Kamasa Pawel, Tompa Péter, Tompa Kál-
mán,
A szemlencse természettudományos szemmel
Természet Világa 2010. október, Természettudományi Közlöny 141. évf. 10. füzet
439-442
3. Tompa K., Bokor M., Tompa P.
Globuláris szerkezetű fehérjék vizes oldatainak olvadásidiagramja és termodinamikai
értelmezésük
Magyar Kémiai Folyóirat-Kémiai Közlemények (1997-), **125**, 147-155 (2019) DOI:
10.24100/MKF.2019.04.147