Homonnay Zoltán közleményei
és független hivatkozásai
(2004. május)

1. Nagy, S., Homonnay, Z., Vértes, A., Lakner, J. and Murgás:
   Investigation of Iron Impurity in Aluminium by Mössbauer Spectroscopy
   Magyar Alumíinium, **22**, pp. 58-60 (1985)
   impakt faktor: 0

2. Murgás, L., Nagy, S., Homonnay, Z., Vértes, A. and Lakner, J.:
   Mössbauer Investigation of Al-Fe and Al-Fe-Si Intermetallic Phases in Aluminium
   Hyperfine Interactions, **28**, pp. 967-970 (1986)
   impakt faktor: 0.499

   1. Stadnik, Z.M.: J. Phys. Jpn. 60, 3829 (1991)
   2. Li XY, Tandon KN.: WEAR 245: (1-2) 148-161 Sp. Iss. SI OCT 2000

3. Nagy. S., Murgás, L., Homonnay, Z. and Vértes, A.:
   Mössbauer Study of Phase Transformation in an Al-Rich Al-Fe Alloy
   Materials Science Forum, **13/14**, pp. 313-318 (1987)
   impakt faktor: 0

   1. Chittaranjan, C.M.: Solid State Commun. 79, 69 (1991)
   2. Beke, D.L.: Phil. Mag. A 58, 425 (1987)
   3. Forder, S.D. : Scripta Materialia 35, 1167 (1996)
   4. Forder, S.D. : Hyperfine Interactions 116, 209 (1998)
   5. Borowski, M.: Nucl. Inst. B., 122, 247 (1997)
   6. Forder, S.D. : Scripta Materialia 40, 45 (1998)

4. Nagy S., Murgás L., Homonnay Z., Vértes A., Lakner J.:
   Mössbauer Investigation of Al-Fe-Si Phases in Aluminum
   Material Science Forum, **13/14**, 319-324 (1987)
   impakt faktor: 0

   1. Antoniou R.A.: Acta Met. Mat., 42, 3545 (1994)
   2. Forder, S.D.: Scr. Mater., 35, 1167 (1996)

5. Nagy, S., Vértes, A., Homonnay, Z. and Murgás, L.:
   Mössbauer Investigation of Iron in Aluminium - I. Al-Fe Samples
   Acta Metall., **35**, pp. 735-739 (1987)
   impakt faktor: 1.971

   1. Chaudhur, P.K.: Acta Metall. 36, 1099 (1988)
   2. Park, K.T.: Metall. T.A. 21, 2605 (1990)
   3. Forder, S.D. : Scripta Materialia 35, 1167 (1996)

6. Nagy S., Homonnay Z., Vértes A., Murgás L.:
   Mössbauer Investigation of Iron in Aluminum II: Al-Fe-Si Samples

Acta Metallurgica, **35**, 741-746 (1987)
impakt faktor: 1.971

1. Antoniou R.A.: Acta Met. Mat., 42, 3545 (1994)
2. Forder, S.D.: Scr. Mater., 35, 1167 (1996)
3. Forder, S.D.: Hyp. Inter. 126, 193 (2000)

7. Szeles, Cs., Süvegh, K., Homonnay, Z., Vértes, A.: Positron lifetime and Mössbauer spectroscopy study of vacancy-tin interaction in dilute Al-Sn alloys.
Phys. stat. sol. (a) **103**, 397 (1987)
impakt faktor: 0.568

1. Grandjean, F.: Mössbauer Spect. Appl. to Organic Chemistry, 3, 596 (1989)
2. Melichova, O.: Acta Physica Polonica 95, 6277 (1999)
3. Faltus J, Stulikova I, Hajek M, et al., MATER SCI FORUM 396-4: 1641-1646 2002
4. Stulikova I, Smola B, Cieslar M, et al., KOVOVE MATER 40 (5): 321-329 2002

8. Murgás, L., Homonnay, Z., Nagy, S. and Vértes, A.:
Investigation of Phase Transformation in an Al-0.58 wt% Fe Alloy by Mössbauer Spectroscopy
Hyperfine Interactions, **41**, pp. 595-598 (1988)
impakt faktor: 0.499

1. Hu, W.X.: Nucl. Inst. B 72, 387 (1992)
2. Reuther H, J APPL PHYS 92 (12): 7056-7061 DEC 15 2002

9. Vértes, A., Kuzmann, E., Homonnay, Z., Gál, M. and Torkos, K.:
Mössbauer Study of $EuBa_2Cu_3O_{6+x}$ Material
Hyperfine Interactions, **42**, pp. 1247-1249 (1988)
impakt faktor: 0.499

1. Portis, A.M.: Hyp. Inter. 49, 129 (1989)
2. Stadnik, Z.M.: Phys. Rev. B 39, 9108 (1989)
3. Jin, M.Z.: Sci. China A 33, 430 (1990)
4. Nishida, T.: Bull. of Chem. Soc. Jap., 62, 61 (1989)
5. Djegamar, C.: Scr. Met. Mat., 29, 509 (1993)
6. Grandjean, F.: Mössbauer Spect. to Appl. Chem., Plenum, N.Y., 3, 596 (1989)

10. Murgás, L., Homonnay, Z., Nagy, S. and Vértes, A.:
Investigation of Phase Transformation in an Al-0.58 Wt Pct Alloy by Mössbauer Spectroscopy
Metallurgical Transactions, **19A**, pp. 259-264 (1988)
impakt faktor: 1.363

1. Badan, B.: Scrip. Metal. 23, 2121 (1989)
2. Djegamar, C.: Scr. Met. Mat.: 29, 509 (1993)
3. Niu X.P.: Scripta Met. Mat., 31, 1157 (1994)
4. Forder, S.D. : Scripta Materialia 35, 1167 (1996)
5. Forder, S.D. : HYPERFINE INTERACT 116: (1-4) 209-214 1998

6. Allen CM et al. PV:PROGRESS IN MATERIALS SCIENCE 43 (2): 89-170 1998
7. Hua P, Meiguang Z.: MATER SCI FORUM 331-3: 1205-1208 Part 1-3 2000
8. Wang JQ, Chao YS, Zeng MG, et al.: J RARE EARTH 14: (3) 201-205 SEP 1996

11. Homonnay, Z., Kuzmann, E., Vértes, A., Kubovics, I., Sólymos, K.G. and Szabó, Cs.:
Mössbauer Study of Phlogopites from Upper Mantle Ultramafic Xenoliths (Alcsútdoboz, Hungary)
J. Radioanal. Nucl. Chem. Lett. **127**, pp. 289-297 (1988)
impakt faktor: 0.425

1. Dyar, M.D.: Amer. Minearologist 78, 665 (1993)
2. Dyar MD., REV MINERAL GEOCHEM 46: 313-349 2002

12. Kuzmann, E., Homonnay, Z., Vértes, A., Gál, M., Torkos, K., Csákvári, B., Sólymos, K., Horváth, G., Bánkuti, J., Kirschner, I. and Korecz, L.:
Metastability in $EuBa_2(Cu_{1-x}Sn_x)_3O_{7-y}$ Studied by ^{119}Sn and ^{151}Eu Mössbauer Spectroscopy
Phys. Rev. B, **39**, pp. 328-333 (1989)
impakt faktor: 3.259

1. Jha, S.: Hyp. Inter. 55, 1317 (1990)
2. Nishida, T.: Jpn. J. A. P. 1 29, 259 (1990)
3. Nishida, T.: Jpn. J. A. P. 2 29, L887 (1990)
4. Nishida, T.: Jpn. J. A. P. 2 30, L735 (1991)
5. Stadnik, Z.M.: Phys. Rev. B 44, 2552 (1991)
6. Ang, C.: J. Phys. Cond. 4, 4981 (1992)
7. Nishida, T.: Hyper. Inter. 70, 1139 (1992)
8. Nishida, T.: Physica C 191, 297 (1992)
9. Huang, R.: Hyp. Int. 93, 1671 (1994)
10. Quintana, G.: Hyp. Int. 93, 1687 (1994)
11. Saito, T.: Physica C, 171, 167 (1990)
12. Jha, S.: Int. Conf. Appl. Me, 1, 625 (1989)
13. Zubov, I.V.: Obzori viszokotemperaturnoj szverhprovgyimoszti, MZNTI Moszkva, 1, 105 (1990)
14. Chen, Y.L.: Hyp. Int., 55, 1249 (1990)
15. Stukan RA, Belousova EV, Polyakova AV., RUSS J INORG CHEM+ 46 (11): 1642-1645 NOV 2001

13. Homonnay, Z., Murgás, L., Nagy, S. and Vértes, A.:
Mössbauer Investigation of Semicontinuously Cast Rolling Ingots of Commercial Aluminium
Acta Chim. Hung., **126**, pp. 547-558 (1989)
impakt faktor: 0.282

14. Homonnay, Z., Süvegh, K., Szeles, Cs. and Vértes, A.:
Mössbauer and Positron Annihilation Study of Tin-Vacancy Interaction During the Recovery of a dilute Al-Fe Alloy
Hyperfine Interactions, **45**, pp. 389-396 (1989)
impakt faktor: 0.499

15. Kuzmann, E., Homonnay, Z., Vértes, A., Gál, M., Torkos, K., Csákvári, B., Sólymos, K., Horváth, G. Bánkuti, J., Kirschner, I., and Korecz, L.:
^{119}Sn and ^{151}Eu Mössbauer Study of $EuBa_2(Cu_{1-x}Sn_x)_3O_{7-y}$ perovskites
Hyperfine Interactions, **46**, pp. 747-752 (1989)
impakt faktor: 0.499

16. Kuzmann, E., Homonnay, Z., Vértes, A., Halász I., Bánkuti J. and Kirschner, I.:
Comparative Mössbauer Study of High-T_C Superconductors
J. Radioanal. Nucl. Chem. Lett., **135**, pp. 373-380 (1989)
impakt faktor: 0.425

17. Kuzmann, E., Homonnay, Z., Vértes, A., Halász I., Bánkuti J. and Kirschner, I.:
First Observation of Structural Changes Around the T_C in $TlBaCaCuO_{4.5+y}$ Superconductor Studied by ^{57}Fe Mössbauer Spectroscopy
J. Radioanal. Nucl. Chem. Lett., **136**, pp. 121-125 (1989)
impakt faktor: 0.425

18. Homonnay, Z., Vértes, A., Beke, D.L., Gödény, I., Kuzmann, E.:
Mössbauer Study of Iron in the Grain Boundary of Aluminium
J. Radioanal. Nucl. Chem. Lett., **136**, pp. 371-377 (1989)
impakt faktor: 0.425

19. Nath, A. and Homonnay, Z.:
Emission Mössbauer Studies of Nonrigidity of Copper-Oxygen Chain in $YBa_2Cu_3O_{7-d}$
Physica C, **161**, pp. 205-208 (1989)
impakt faktor: 2.044

1. Cannelli, G.: Phys. Rev. B 42, 7925 (1990)
2. Zeng, Y.W.: Phys. Rev. B 44, 867 (1991)
3. Andrianov, V.A.: Physica C 192, 8 (1992)
4. Boolchand, P.: Hyper. Inter. 72, 125 (1992)
5. Cannelli, G.: Phys. Rev. B 45, 931 (1992)
6. Cannelli, G.: Supercond. S. 5, 247 (1992)
7. Iliev, M.: Physica C 191, 419 (1992)
8. Katsuyama, S.: J. Sol. State Chem. 97, 466 (1992)
9. Smith, M.G.: Phys. Rev. B 46, 3041 (1992)
10. Zeng, Y.W.: Hyper. Inter. 70, 1219 (1992)
11. Wolf, M.: Phys. Rev. B 47, 8381 (1993)
12. Siddique, R.K.: J. Phys.: Condens. Matter. 6, 1019 (1994)
13. Chechersky, V.: Hyperfine Interactions 93, 1711 (1994)
14. Nagy, D.L.: Hyperfine Interactions 83, 3 (1994)
15. Shi, F.: J.. Phys. Condens. Matter 9, L307 (1997)

20. Homonnay, Z., Vértes, A., Cziráki, Á., Oszkó, A., Menczel, Gy. and Murgás, L.:
Mössbauer Study of Al (Fe,Mn) Formation in Al-Rich Al-Fe-Mn Alloys
J. Radioanal. Nucl. Chem., Articles, **139**, pp. 127-134 (1990)

impakt faktor: 0.471

21. Szeles, Cs., Süvegh, K., Homonnay, Z. and Vértes, A.:
Vacancy Trapping at Tin Atoms During the Recovery of a Fast-Quenched Dilute Aluminium-Tin Alloy and Its Effect on the Isomer Shift of the ^{119}Sn Mössbauer Isotope
*J. Phys.: Condensed Matte*r, **2**, pp. 3201-3217 (1990)
impakt faktor: 1.627

1. Baltrunas D, Dragunas A, Rogacheva E, et al., PHYS STATUS SOLIDI B 231 (1): 231-236 MAY 2002

22. Kuzmann, E., Homonnay, Z., Vértes, A., Bottyán, L., Kirschner, I., Halász, I., Bánkuti, J., Korecz, L. and Dengler, J.:
Mössbauer Study of Tl-Containing High-T_c Superconductors
Hyperfine Interactions, **55**, pp. 1331-1336 (1990)
impakt faktor: 0.499

1. Misra SK, Isber S, Denes G., PHYSICA C 370 (4): 219-227 MAY 15 2002

23. Kuzmann, E., Homonnay, Z., Vértes, A., Halász, I., Bánkuti, J. and Kirschner, I.:
^{57}Fe, ^{119}Sn and ^{151}Eu Mössbauer Study of $EuBa_2(Cu_{1-x-y}{}^{119}Sn_x{}^{57}Fe_y)_3O_{7-d}$ Superconductor
Hyperfine Interactions, **55**, pp. 1337-1342 (1990)
impakt faktor: 0.499

1. Misra SK, Isber S, Denes G., PHYSICA C 370 (4): 219-227 MAY 15 2002

24. Homonnay, Z., Kuzmann, E., Vértes, A., Pákozdi, A., Kubovics, I., Szabó, Cs., Sólymos, G.K., Jánosi, M.: Mössbauer study of amphiboles originated from the carpathian region
Hyperfine Interactions, **57**, pp. 2215-2220 (1990)
impakt faktor: 0.499

1. Coq, B.: Appl. Catal. A, 82, 231 (1992)
2. Coq, B.: J. Mol. Catal., 71, 317 (1992)
3. Benazzi, E.: J. Catalysis, 140, 311 (1993)
4. Caballer, A.: J. Phys. Chem., 97, 1283 (1993)
5. Didillon, B., J. Am. Chem. Soc., 115, 9380 (1993)
6. Kirszens, P.: Catal. Lett., 18, 391 (1993)
7. Candy, J.P.: J. Mol. Catal., 86, 179 (1994)

25. Kuzmann, E., Homonnay, Z., Vértes, A., Kubovics, I., Szabó, Cs. and Sólymos, G.K.:
Mössbauer Study of Hungarian Phlogopites
Hyperfine Interactions, **57**, pp. 2241-2244 (1990)
impakt faktor: 0.499

26. Homonnay, Z., Nagy, S., Jang, G.W., Wei, Y., Tyagi, S.D. and Nath, A.:
Emission Mössbauer Studies of the Y-Ba-Cu(^{57}Co)-O System
Hyperfine Interactions, **55**, pp. 1301-1306 (1990)
impakt faktor: 0.499

1. Ohkubo, Y.: Chem. Lett. 2069 (1992)
2. Lyubutin, I.S.: Physica C 248, 222 (1995)

27. Homonnay, Z. and Nath, A.:
Dynamics of Cu-O Chain in $YBa_2Cu_3O_{7-d}$; Emission Mössbauer Studies
Journal of Superconductivity, **3**, pp. 433-440 (1990)
impakt faktor: 1.489

1. Boolchand, P.: Hyper. Inter. 72, 125 (1992)
2. Lyubutin, I.S.: Physica C 248, 222 (1995)
3. Nagy, D.L.: Hyperfine Interactions 83, 3 (1994)
4. Simanovsky, S.B.: Phys. Rev. B 54, 7430 (1996)

28. Nath, A., Homonnay, Z., Tyagi, S.D., Wei, Y., Jang, G.W. and Chan, C.C.:
Rupture of Cobalt/Iron and Oxygen Bonds in the Chain During Thermal Treatment of $YBa_2Cu_3(^{57}Co)O_{6.0}$: Emission Mössbauer Studies
Physica C, **171**, pp. 406-414 (1990)
impakt faktor: 2.044

1. Boolchand, P.: Hyper. Inter. 68, 15 (1991)
2. Moodenbaugh, A.R.: Phys. Rev. B 44, 6991 (1991)
3. Boolchand, P.: Hyper. Inter. 72, 125 (1992)
4. Osterreicher, H.: Mater. Res. B 27, 1125 (1992)
5. Ramachandran, J.S.: Physica C 202, 151 (1992)
6. Smith, M.G.: J. Sol. State Chem. 99, 140 (1992)
7. Smith, M.G.: Phys. Rev. B 46, 3041 (1992)
8. Li, G.G.: Phys. Rev. B 47, 2110 (1993)
9. Hriljac, J.A.: Physica C 219, 315 (1994)
10. Siddique, R.K.: J. Phys.: Condens. Matter. 6, 1019 (1994)
11. Lyubutin, I.S.: Physica C 248, 222 (1995)
12. Nagy, D.L.: Hyperfine Interactions 83, 3 (1994)
13. Rykov, A.: Hyperfine Interactions 77 , 277 (1993)

29. Nath, A., Homonnay, Z., Jang, G.W., Nagy, S.I., Wei, Y. and Chan, C.C.:
Can Co(Fe) Substituent in $YBa_2Cu_3O_{7-d}$ Migrate Back and Forth Between Cu(1) and Cu(2) Sites?
International Conference on Chemistry of Electronic Ceramic Materials, Jackson, WY (USA) 1990, Proc. p. 407, issued in *National Institute of Standards and Technology Special Publication* **804**
impakt faktor: 0

1. Hriljac, J.A.: Physica C 219, 315 (1994)
2. Nagy, D.L.: Hyperfine Interactions 83, 3 (1994)

30. Homonnay, Z., Nath, A., Wei, Y. and Jing, T.:
Microprobing of the Chain Site in $YBa_2Cu_3O_{6+x}$ by Cobalt-57 as a Function of the Oxygen Content: Superconductor-Insulator Transition
Physica C, **174**, pp. 223-226 (1991)
impakt faktor: 2.044

1. Boolchand, P.: Hyper. Inter. 72, 125 (1992)
2. Siddique, R.K.: J. Phys.: Condens. Matter. 6, 1019 (1994)
3. Lyubutin, I.S.: Physica C 248, 222 (1995)
4. Rykov, A.: J. Sol. State Chem. 109, 295 (1994)
5. Nagy, D.L.: Hyperfine Interactions 83, 3 (1994)

31. Nagy, S.I., Simmons, G.W., Leidheiser, Jr., H. and Homonnay, Z.:
Interpretation of Apparent Surface Texture Observed in the Mössbauer Spectra of Some ^{57}Co-Doped Ferromagnetic Metals
Struct. Chem., **2**, pp. 289-294 (1991)
impakt faktor: 0.877

32. Kuzmann, E., Nagy, S., Homonnay, Z., Vértes, A., Halász, I., Gál, M., Csákvári, B., Torkos, K., Bánkuti, J., Kirschner, I., Wei, Y. and Nath, A.:
High-T_C Superconductors Studied by ^{57}Co, ^{57}Fe, ^{119}Sn and ^{151}Eu Mössbauer Spectroscopy
Struct. Chem., **2**, pp. 267-275 (1991)
impakt faktor: 0.877

1. Boolchand, P.: Hyper. Inter. 72, 125 (1992)

33. Vértes, A., Szeles, Cs., Nagy, S., Süvegh, K., Homonnay, Z. and Murgás, L.:
Mössbauer Spectroscopic and Positron Annihilation Studies of Iron and Tin Containing Aluminium Alloys
Hyperfine Interactions, **66**, pp. 191-202 (1991)
impakt faktor: 0.499

34. Kuzmann, E., Homonnay, Z., Nagy, S., Vértes, A., Halász, I. and Gál, M.:
Structural Investigation of the $EuBa_2Cu_3O_{7-d}$ High T_C Superconductor by ^{151}Eu, ^{119}Sn, ^{57}Fe and ^{57}Co Mössbauer Spectroscopy
Spectrochimica Acta, **48A**, pp. 51-64 (1992)
impakt faktor: 0.806

1. Kravchenko AV, Gudilin EA, Bezverkhii IS, et al.: RUSS J INORG CHEM+ 45: (7) 983-989 JUL 2000

2. Gao FM, Li DC, Zhang SY., ACTA METALL SIN 37 (4): 445-448 APR 18 2001
3. Gao FM, Li DC, He JL, et al., PHYSICA C 371 (2): 151-155 JUN 15 2002

35. Burger, K., Nemesné-Vetéssy, Zs, Vértes, A., Homonnay, Z.,
Dékány, I. and Mehner, H.:
The use of rigid organic microemulsions to fix liquid solutions for Mössbauer studies
Inorganica Chimica Acta, **198-200**, pp. 867-871 (1992)
impakt faktor: 1.372

A. Burger K., Vértes A., Mehner, H., Nemesné Vetéssy Zs., Dékány I., Homonnay Z.:
A Mössbauer-effektus vizsgálata szilárd mikroemulziókban
Kémiai Közlemények 73, pp. 261-269 (1991)
impakt faktor: 0

36. Kopelev, N., Chechersky, V., Tian, J., Homonnay, Z., Wei, Y. and Nath, A.:
Observation of migrating superoxide species in $YBa_2Cu_3(^{57}Co)O_{7-d}$
Physica C, **193**, pp. 137-144 (1992)
impakt faktor: 2.044

37. Kuzmann E., Nagy S., Gál M., Sólymos G. K., Homonnay Z., Vértes A., Csákvári B.,
Bánkuti J., Kirschner I.:
Comparative Mössbauer Study of $EuBa_2(Cu_{1-x}{}^{57}Fe_x)_3O_{7-d}$ and
$EuBa_2(Cu_{1-x}{}^{57}Fe_x)_4O_8$ Superconductors
Hyperfine Interactions, **70**, 1151-1154 (1992)
impakt faktor: 0.499

1. Linden J.: *Phys. Rev. B*, **50**, 4154 (1994)
2. Karppinen M.: *Supercond. S.*, **8**, 79 (1995)
3. Karppinen M.: *J. Alloy Com.*, **225**, 586 (1995)

38. Palágyi, S., Braun, T., Homonnay, Z., Vértes, A.: Mössbauer spectroscopic investigation of the sorption of iron by polyether-type polyurethane-foam sorbents.
Analyst, **117**, 1537 (1992)
impakt faktor: 1.641 (1995)

1. Elshahaw, M.S.: Talanta, 41, 1481 (1994)
2. Farag, A.B.: Talanta, 41, 617 (1994)
3. Jinks, D.: Hyper. Inter., 90, 465 (1994)
4. Elshahaw, M.S.: Talanta, 42, 1471 (1995)
5. Elshahaw, M.S.: Analyt. Chim., 320, 277 (1996)
6. Elshahaw, M.S.: J. Chromat. A 760, 179 (1997)
7. Filik, H.: Talanta 44, 877 (1997)
8. Elshahaw, M.S.: Anal. Sci. 13, 633 (1997)
9. Hasany SM, Saeed MM, Ahmed M.: SEPAR SCI TECHNOL 35: (3) 379-394 2000
10. Cashion JD, Brown LJ.: HYPERFINE INTERACT 111: (1-4) 271-280 1998
11. Saeed MM, Rusheed A., RADIOCHIM ACTA 90 (1): 35-42 2002
12. El-Shahawi MS, Nassif HA., ANAL CHIM ACTA 487 (2): 249-259 JUL 8 2003
13. El-shahat MF, Moawed EA, Zaid MAA., TALANTA 59 (5): 851-866 APR 10 2003
14. Moawed EA, Zaid MAA, El-Shahat MF., ANAL LETT 36 (2): 405-422 2003

39. Kuzmann, E., Homonnay, Z., Nagy, S., Gál, M. and Vértes, A.:
Mössbauer study of $EuBa_2(Cu(^{57}Fe))_3O_{7-d}$ superconductor and $PrBa_2(Cu(^{57}Fe))_3O_{7-d}$ non-superconductor
Nuclear Instruments and Methods **B76**, pp. 328-330 (1993)
impakt faktor: 0.968

1. Lyubutin, I.S.: Physica C 248, 222 (1995)

40. Kuzmann, E., Homonnay, Z., Nagy, S., Gál, M., Halász, I., Pöppl, L., and Vértes, A.:
Mössbauer studies on high temperature superconductors
Hyperfine Interactions **84**, pp 143-149 (1994)
impakt faktor: 0.590

41. Homonnay, Z., Kuzmann, E., Gál, M., Nagy, S., Vértes, A., Pöppl, L., Nath, A. and Vankó, Gy.:
Emission Mössbauer study of oxygen deficient $PrBa_2Cu_3(^{57}Co)O_{6+x}$
Physica C **209**, pp.137-140 (1993)
impakt faktor: 2.302

1. Browning VM, Osofsky MS, Byers JM, et al., PHYS REV B 54 (18): 13058-13062 NOV 1 1996

42. Homonnay, Z., Nagy, S., Vértes, A., Kovács, I. and Ungváry, F.:
Emission Mössbauer Studies on Cobalt Carbonyl Complexes Labelled with ^{57}Co
Radiochimica Acta **64**, pp. 131-135 (1994)
impakt faktor: 0.519

Homonnay Z., Nagy S., Vértes A., Kovács I., Ungváry, F.:
^{57}Co-tal jelölt kobalt-karbonil-komplexek vizsgálata emissziós Mössbauer-spektroszkópiával
Magyar Kémiai Folyóirat **100**, pp. 154-159 (1994)
impakt faktor: 0.152 (1995)

43. Kuzmann E., Homonnay Z., Nagy S., Vértes A, Gál M., Halász I.:
Magashőmérsékleti szupravezetők és rokonvegyületeik Mössbauer-spektroszkópiai vizsgálata
Magyar Kémiai Folyóirat **100**, pp. 160-167 (1994)
impakt faktor: 0.152 (1995)

44. Kuzmann E., Vértes A., Nagyné Czakó I., Nagy S., Homonnay Z.:
A Mössbauer-spektroszkópia gyakorlati alkalmazásai I. A Mössbauer-spektroszkópia néhány metallokémiai alkalmazása
magyar kémikusok lapja **49**, pp. 143-156 (1994)

impakt faktor: 0

45. Nagyné Czakó I.,Vértes A., Kuzmann E., Nagy S., Homonnay Z.:
A Mössbauer-spektroszkópia gyakorlati alkalmazásai II. Korróziós vizsgálatok Mössbauer-spektroszkópiával
magyar kémikusok lapja **49**, pp. 201-204 (1994)
impakt faktor: 0

46. Vértes A., Nagyné Czakó I., Nagy S., Kuzmann E., Homonnay Z.:
A Mössbauer-spektroszkópia gyakorlati alkalmazásai III. Oldatvizsgálatok Mössbauer-spektroszkópiával
magyar kémikusok lapja **49**, pp. 298-301 (1994)
impakt faktor: 0

47. Homonnay Z., Nagyné, Czakó I., Kuzmann E., Nagy S., Vértes A.:
A Mössbauer-spektroszkópia gyakorlati alkalmazásai IV. Újabb eredmények az ásványtan területén
magyar kémikusok lapja **49**, pp. 371-373 (1994)
impakt faktor: 0

48. Kuzmann, E., Gál, M., Homonnay, Z., Nagy, S., Vankó, Gy. and Vértes, A.:
^{57}Fe and ^{57}Co Mössbauer study of suppression of superconductivity in $PrBa_2Cu_3O_{7-d}$
Hyperfine Interactions **93**, pp. 1621-1625 (1994)
impakt faktor: 0.590

1. Drechlser, S.L., Phys. Rev. B 55, 606 (1997)

49. Nagy S., Homonnay Z., Kuzmann E., Vértes A, Nagyné Czakó I..:
A Mössbauer-spektroszkópia gyakorlati alkalmazásai V. Magashőmérsékleti szupravezetők kutatása
magyar kémikusok lapja **50**, pp.64-69 (1995)
impakt faktor: 0

50. Kuzmann, E., Homonnay, Z., Nagy, S., Gál, M. and Vértes, A:
High-temperature superconductors and related compounds studied by Mössbauer spectroscopy
Active and Passive Elec. Comp. **15** pp. 211-??? (1993)
impakt faktor: 0

51. Burger, K., Nemes-Vetéssy, Zs., Vankó, Gy., Homonnay, Z., Vértes, A., Dékány, I. and Szekeres, M.:
Mössbauer study of a rigid microemulsion used as carrier for fixing a methanolic solution of ascorbic acid complexes of iron
Spectrochimica Acta **51A** pp. 799-804 (1995)
impakt faktor: 0.875

Burger K., Nemesné-Vetéssy Zs., Vankó Gy., Homonnay Z., Vértes A., Dékány I. and Szekeres M.:
Szilárd szerves mikroemulzióban rögzített vas(II)aszkorbát-oldat Mössbauer-vizsgálata
Magyar Kémiai Folyóirat **101** pp. 483-487 (1995)
impakt faktor: 0.152

52. Zoltán Homonnay, Miklós Gál, György Vankó, Ernő Kuzmann and Attila Vértes:
Microprobing of the Cu(1) site in 1-2-3-type superconductors by ^{57}Co: The peculiarity of the emission Mössbauer results
Conference Proceedings **50**, "ICAME-95" Ed.: Ida Ortalli, SIF, Bologna, 1996, pp.551-554.
impakt faktor: 0

53. Vankó, Gy., Homonnay, Z., Nagy, S., Vértes, A., Pál-Borbély, G., Beyer, H.K.:
^{57}Fe Mössbauer study of tris(2,2'-bipyridine)iron complexes synthesized in zeolite-Y
Conference Proceedings **50**, "ICAME-95" Ed.: Ida Ortalli, SIF, Bologna, 1996, pp.87-90.
impakt faktor: 0

54. Vankó, Gy., Homonnay, Z., Nagy, S., Vértes, A., Pál-Borbély, G., Beyer, H.K.:
On the synthesis and steric distortion of the tris(2,2'-bipyridine)iron(II) complex ion in zeolite-Y
JCS Chemical Communications, pp. 785-786 (1996)
impakt faktor: 3.107

1. Kozlov A, Asakura K, Iwasawa Y: J. Chem. Soc. Faraday Trans. 94, 809 (1998)
2. Vijayalakshmi R, Yusuf SM, Kulshreshtha SK., J PHYS CHEM SOLIDS 65 (5): 975-979 MAY 2004

55. Dékány, I., Turi, L., Homonnay, Z., Vértes, A. and Burger, K.:
Preparation of nanosize FeS particles on SiO_2 and clay mineral supports: SAXS and Mössbauer spectroscopic measurements
Colloids and Surfaces A **119** pp. 195-203 (1996)
impakt faktor: 1.147

1. Chen, G.M.: J. Coll. I. Sc. 201, 158 (1998)
2. Leboda R, Skubiszewska-Zieba J, Rynkowski J.: COLLOID SURFACE A 174: (3) 319-328 DEC 1 2000

56. Homonnay, Z., Gál, M., Spiering, H. and Vértes, A.:
^{57}Co emission Mössbauer study of $YbBa_2Cu_3O_{7-d}$
ACH Models in Chemistry **133** pp. 219-229 (1996)
impakt faktor: 0.197

57. Chechersky, V., Gál, M., Homonnay, Z., Vankó, Gy., Kuzmann, E., Tyagi, S., Greene, R.L., Vértes, A. and Nath, A.:
Lattice dynamics of $Y_{0.9}Pr_{0.1}Ba_2Cu_3O_{7-d}$
Physica C **277** pp. 36-42 (1997)
impakt faktor: 2.199

58. Kotsis, I., Enisz, M., Vértes, A. and Homonnay, Z.:
Change of phase composition and morphology of $YBa_{1.95}K_{0.05}Cu_3O_y$ superconductor during doping with $CoCl_2$
Superlattices and Microstructures **21** pp. 447-450 (1997)
impakt faktor: 0.928 (1996)

1. Mamalis, A.G., Szalay, A., Gobl, N., et al.: Mat. Sci. Eng. B-Solid, 53(1-2), 119 (1998)
2. Mamalis, A.G.: Int. J. Inorg. Mater., 2(6), 623 (2000)
3. Mamalis, A.G.: J. Mater. Process Tech., 108(2), 126. (2001)

59. Burger, K., Vértes, A., Dékány, I., Szekeres, M., Homonnay, Z., Nemes-Vetéssy, Zs. and Buzás, N.:
Mössbauer study of the structure of liquid nanophases trapped in porous silicate and solid microemulsion matrix
Colloid Polym. Sci. **275** pp. 587-592 (1997)
impakt faktor: 1.268

60. Nomura, K., Homonnay, Z., Vértes, A., Chechersky, V., Nath, A., Ujihira, Y., Hayakawa, T., and Takehira, K.:
Mössbauer study of perovskite oxides for oxidative coupling of of CH_4 and absorption of CO_2
Czechoslovak Journal of Physics **47** pp. 517-522 (1997)
impakt faktor: 0.212

1. Takehira K., CATAL SURV JPN 6 (1-2): 19-32 OCT 2002

61. Nomura, K., Homonnay, Z., Vankó, G., Vértes, A., Pöppl, L., Nath, A., Ujihira, Y., Hayakawa, T., and Takehira, K.:
Emission and Transmission Mössbauer Spectroscopic (EMS and TMS) study of perovskite oxides $(Ba,Ca)(Fe,Co)O_{3-d}$, absorbed with CO_2
Hyperfine Interactions, **112**, pp. 7-12 (1998)
impakt faktor: 0.948 (1997)

62. Homonnay, Z., Nomura, K., Juhász, G., Vértes, A., Ujihira, Y.:
The microenvironment of iron in $(Ba,Ca)(Fe,Co)O_{3-d}$ catalyst system: Mössbauer study
Journal of Radioanalytical and Nuclear Chemistry, **239** pp. 291-296 (1999)
impakt faktor: 0.605

63. Z. Homonnay, Gy. Vankó, A. Vértes, A. Nath, H. Spiering and P. Gütlich:
Aftereffects in zeolite-encapsulated ^{57}Co-complexes

Hyperfine Interactions **113**, pp. 331-339 (1998)
impakt faktor: 0.948 (1997)

64. Gy. Vankó, Z. Homonnay, S. Nagy, A. Vértes, H. Spiering and P. Gütlich:
After-effects of the $^{57}Co(EC)^{57}Fe$ nuclear decay in tris(2,2'-bipyridyl)cobalt(II) encapsulated in the supercage of zeolite-Y
J. Chem. Phys. **108**, pp. 8472-8478 (1998)
impakt faktor: 3.147

1. Knops-Gerrits PPHJM, Goddard WA , CATAL TODAY 81 (2): 263-286 JUN 15 2003

65. Cs. S. Daróczi, Gy. Dóra, Z.E. Horváth, Z. Homonnay and B. Idzikowski:
Surface investigations on annealed and boron implanted $Fe_{80}Mo_7B_{12}Cu_1$ amorphous ribbons
Vacuum **50**, pp. 343-347 (1998)
impakt faktor: 0.483 (1997)

1. Wang LL, Huang WQ, Li XF, et al., ACTA METALL SIN 38 (1): 84-90 JAN 18 2002
2. Wang LL, Peng J, Tang LM, et al., RARE METAL MAT ENG 33 (2): 113-119 FEB 2004

66. Z. Klencsár, E. Kuzmann, Z. Homonnay, A. Vértes, K. Vad, J. Bánkuti, T. Rácz, M. Bódog, and I. Kotsis:
The effcet of Pr substituted in $Eu_{1-x}Pr_xBa_2Cu_3O_{7-d}$ and $EuBa_{2-x}Pr_xCu_3O_{7-d}$ perovskites
Physica C **304**, 124 (1998).
impakt faktor: 1.086

1. Xu, Y.: Physica C 333, 195 (2000).
2. Narlikar AV, Gupta A, Samanta SB, et al.: PHILOS MAG B 79: (5) 717-728 MAY 1999
3. Mohammadizadeh MR, Akhavan M, PHYS REV B 68 (10): art. no. 104516 SEP 1 2003
4. Mohammadizadeh MR, Khosroabadi H, Akhavan M, PHYSICA B 321 (1-4): 301-304 AUG 2002

67. E. Kuzmann L. A. Schuch , V. K. Garg , P. A. de Souza Júnior, A. C. de Oliveira Z. Homonnay, A. Vértes:
Investigation of marine sediments from the King George Island, Antarctica studied by Mössbauer spectroscopy and other methods
Brazilian Journal of Physics **28**, pp. 434-443 (1998)
impakt faktor: 0.671 (2000)

68. Z. Homonnay, Z. Klencsár, V. Chechersky, Gy. Vankó, M. Gál, E. Kuzmann, S. Tyagi, J.-L. Peng, R. L. Greene, A. Vértes and A. Nath:
The Effect of Praseodymium on the Lattice Dynamics and Electronic Structure of the Cu(1)-O(4) chain in $Y_{1-x}Pr_xBa_2Cu_3O_{7-\delta}$
Phys. Rev. B, **59**, pp. 11596-11604 (1999)
impakt faktor: 3.008

1. Aslanian HH, Tun M, Abdelrazek MM, et al.: PHYSICA C 364: 582-586 NOV 2001
2. Didenko KV, Peryshkov DV, Gudilin EA, et al., DOKL CHEM 387 (1-3): 316-321 NOV 2002

3. Zhang CJ, Zhang YH, J PHYS-CONDENS MAT 14 (31): 7383-7389 AUG 12 2002

69. E. Kuzmann, M. Mair, Z. Klencsár, A. Vértes, Z. Homonnay, G. Gritzner:
^{57}Fe, ^{119}Sn and ^{151}Eu Mössbauer studies of $(Tl,Pb)(Ba_{0.2}Sr_{0.8})_2Ca_2Cu_3O_y$ superconductors
Physica C **319** pp. 12-20 (1999)
impakt faktor: 1.114

1. Gao FM, Li DC, Wang YZ, et al., CHINESE CHEM LETT 13 (4): 367-370 APR 2002

70. Kuzmann, E., Klencsár, Z., Homonnay, Z., Braga, G.,. de Oliveira, A.C., Bodogh, M., Kotsis, I., Nath, A.
Mössbauer spectroscopy and RF absorption studies of Pr substituted 1-2-3 type compounds, *J Journal of Radioanalytical and Nuclear Chemistry* **246** pp.313-316 (2000)
impakt faktor: 0.488

71. Kuzmann, E., Klencsár, Z., Homonnay, Z., Vértes, A., Pöppl, L. Bodogh, M., Kotsis, I., Nath, A. ^{57}Fe Mössbauer Investigation of the Substitutional Effect of Praseodymium in 1-2-3 Compounds
Journal of Radioanalytical and Nuclear Chemistry **246** pp. 117-121 (2000)
impakt faktor: 0.488

72. E. Kuzmann, V. K. Garg , P. A. de Souza Júnior, L. A. Schuch, Z. Homonnay, A. Vértes
Mössbauer Investigation of Characteristic Distribution of Iron Oxides in Sediments from the Antarctica
Journal of Radioanalytical and Nuclear Chemistry **246** pp. 61-68 (2000)
impakt faktor: 0.488

73. Vértes, A. Klencsár, Z., Vankó, Gy., Marek, T., Süvegh, K., Homonnay, Z., Kuzmann, E. Nuclear techniques in the elucidation of chemical structure,
Journal of Radioanalytical and Nuclear Chemistry 243 (2000) 214-253.
impakt faktor: 0.488

74. Z. Homonnay, A. Vértes, E. Kuzmann, K. Varga, P. Baradlai, G. Hirschberg, J. Schunk, P. Tilky
A CEMS study of the effects of AP-CITROX decontamination procedure on the surface oxide layer composition of stainless steel originating from the primary circuit of a VVER-type nuclear reactor
Journal of Radioanalytical and Nuclear Chemistry **246** pp. 131-136 (2000)
impakt faktor: 0.488

75. K. Nomura, K. Tokumitsu, T. Hayakawa, and Z. Homonnay,
Mechanical effect on perovskite oxides for CO_2 absorption
Journal of Radioanalytical and Nuclear Chemistry **246** pp.69-77 (2000)

impakt faktor: 0.488

76. K. Süvegh, K. Nomura, G. Juhász, Z. Homonnay, A. Vértes,
CO_2 absorption of perovskites as seen by positron lifetime spectroscopy
Radiation Physics and Chemistry **58**, pp. 733-736 (2000)
impakt faktor: 0.483 (1997)

77. Gy. Vankó, S. Nagy, Z. Homonnay, A. Vértes,
Sterical Effects of Encapsulation on Some Iron and Cobalt Complexes Built up in Zeolite Y
Hyperfine Interactions **126** pp. 163-167 (2000)
impakt faktor: 0.948 (1997)

78. E. Kuzmann, M. Mair, Z. Klencsar, Z. Homonnay, A. Vértes, G. Gritzner
Mössbauer spectroscopy and preparation of Hg-1223, Tl-1223 and Tl-1212 superconductors
Journal of Radioanalytical and Nuclear Chemistry **246** pp.107-112 (2000)
impakt faktor: 0.488

79. G. Molnár, Z. Homonnay, A. Vértes, J. Borossay, B. Serrano, P. Iacconi,
Mössbauer Spectroscopic and Optical Study of Iron Incorporation into Alumina Powders
Journal of Physical Chemistry of Solids 62 pp. 619-625 (2001)
impakt faktor: 0.966 (1999)

80. G. Juhász, Z. Homonnay, K. Nomura, T. Hayakawa, S. Hamakawa, and A. Vértes,
Microstructural study of the CO_2-absorption in $Sr_xCa_{1-x}Fe_{0.5}Co_{0.5}O_{3-\delta}$
Solid State Ionics **139**, pp. 219-231 (2001)
impakt faktor: 1.225 (1997)

81. E. Kuzmann, W. T. König, M. Mair, Z. Homonnay, Z. Klencsár, G. Juhász, and G.Gritzner
^{57}Fe Mössbauer spectroscopy of (Bi,Pb)-2223 and (Tl,Bi)-1223 superconductors
Superconductor Science and Technology **14**, pp. 379-385 (2001)
impakt faktor: 2.183 (1997)

82. Kuzmann E, Principi G, Tosello C, Havancsák, K., Stichleutner, S., Gerőcs, I., Homonnay, Z., and Vértes, A.,
Mossbauer study of metastable phase formation in vacuum deposited FeNiCr multilayers due to swift heavy ion irradiation
Nucl. Instrum. Meth. B **183** pp. 425-431 (2001)
impakt faktor: 1.016 (1997)

83. Z. Homonnay, S. Hamakawa, T. Hayakawa, K. Nomura, G. Juhász, E. Kuzmann, A. Vértes, Mössbauer study of the $Ni/Ca_{0.8}Sr_{0.2}Ti_{1-x}Fe_xO_{3-\alpha}$ catalyst system for partial

oxidation of methane to synthesis gas
Hyp. Int. **139**, pp. 41-50 (2002)
impakt faktor: 0.948 (1997)

84. Z. Homonnay, E. Kuzmann, K. Varga, J. Dobránszky, A. Vértes, P. Baradlai, G. Hirschberg, J. Schunk, P. Tilky,
A Mössbauer study of austenitic steel originating from the steam generator of a VVER-440 type nuclear reactor, Paks, Hungary,
Hyp. Int. **139**, pp. 215-222 (2002)
impakt faktor: 0.948 (1997)

85. Kuzmann, I. Muzsay, Z. Homonnay, A. Vértes,
Mössbauer study of discoloration of synthetic resin covered electric switches,
Hyp. Int. **139**, pp. 245-250 (2002)
impakt faktor: 0.948 (1997)

86. E. Kuzmann, K. Nomura, P. Gushterova, Z. Homonnay, A. Vértes,
^{119}Sn Mössbauer study of as-deposited layers prepared by Co-evaporation of TeO_2 and Sn,
Hyp. Int. **139**, pp. 251-257 (2002)
impakt faktor: 0.948 (1997)

87. E. Kuzmann, A. Nath, V. Chechersky, S. Li, Y. Wei, X. Chen, J. Li, Z. Homonnay, M. Gál, V.K. Garg, Z. Klencsár, A. Vértes,
Mössbauer study oxygenation of iron-phthalocyanine, a precursor of magnetic storage material,
Hyp. Int. **139**, pp. 631-639 (2002)
impakt faktor: 0.948 (1997)

88. K. Nomura, H. Donen, T. Sawada, T. Hayakawa, Z. Homonnay, G. Juhász, and A. Vértes,
Mössbauer study of $(Sr,Ca)(Fe,Co)O_{3-\delta}$ for rapid CO_2 absorption at high temperatures
Hyp. Int. **139**, pp. 297-305 (2002)
impakt faktor: 0.948 (1997)

89. M. Enengl, E. Kuzmann, Z. Homonnay and G. Gritzner,
Preparation, properties and Mössbauer spectra of cobalt-doped (Tl,Pb)–1223 superconductors
Physica C **377** pp. 565-570 (2002).
impakt faktor: 1.114 (1999)

90. Attila Vértes, G. Vankó, Z. Németh, Z. Klencsár, E. Kuzmann, Z. Homonnay, F.H. Kármán, E. Szőcs, E. Kálmán,
Nanostructure of vapor deposited 57-iron thin films,
Langmuir **18**, pp. 1206-1210 (2002)

impakt faktor: 2.937 (1999)

91. Z. Homonnay, K. Nomura, G. Juhász, M.Gál, K. Sólymos, S. Hamakawa, T. Hayakawa, and A. Vértes,
Simultaneous probing of the Fe- and Co-sites in the CO_2-absorber perovskite $Sr_{0.95}Ca_{0.05}Co_{0.5}Fe_{0.5}O_{3-\delta}$: a Mössbauer study,
Chemistry of Materials **14,** pp.1127-1135 (2002)
impakt faktor: 3.273 (1997)

92. E. Kuzmann, Z. Homonnay, Z. Klencsár, M. Kühberger, A. Vértes, G. Gritzner
Local environments of iron and cobalt in doped MgB_2 superconductors
Superconductor Science and Technology **15**, pp. 1479-1485 (2002)
Impact factor: 2.138

1. Prozorov T, Prozorov R, Snezhko A, et al., APPL PHYS LETT 83 (10): 2019-2021 SEP 8 2003

93. E. Kuzmann, S. Stichleutner, M. El-Sharif, C.U. Chisholm, L. Sziráki, Z. Homonnay, and A. Vértes,
Mössbauer Investigation of Electrodeposited Sn-Zn, Sn-Cr, Sn-Cr-Yn and Fe-Ni-Cr Coatings
Hyperfine Interactions, **141** pp. 425-433 (2002)

94. Szilárd Csihony, Hasan Mehdi, Zoltán Homonnay, Attila Vértes, Ödön Farkas and István T. Horváth,
In situ spectroscopic studies related to the mechanism of the Friedel-Crafts acetylation of benzene in ionic liquids using $AlCl_3$ and $FeCl_3$
J. Chem. Soc. Dalton Trans., **2002**, pp. 680-685.
Impact factor: 3.023

1. Clarke D, Ali MA, Clifford AA, et al., CURR TOP MED CHEM 4 (7): 729-771 2004

95. A. Nath, Z. Klencsar, E. Kuzmann, Z. Homonnay, A. Vertes, A. Simopoulos, E. Devlin, G. Kallias, A. P. Ramirez R.J. Cava,
Nanoscale Magnetism in the Chalcogenide Spinel $FeCr_2S_4$:Common Origin of Colossal Magnetoresistivity,
Phys. Rev. B **66**, pp. 2401-6 (2002).

96. Z. Homonnay, E. Kuzmann, S. Stichleutner, E. Kristof-Mako, K. Varga, P. Tilky, J. Schunk, G. Patek, Gőzfejlesztő hőátadó csövek korroziós állapotának tematikus vizsgálata, Magy Kém. Foly. **108**, pp. 449-454 (2002).

97. Z. Klencsár, E. Kuzmann, Z. Homonnay, A. Vértes, A. Simopoulos, E. Devlin, G. Kallias,
Magnetic relaxation and its relation to magntoresistance in $FeCr_2S_4$ spinel

Hyperfine Interactions, **144/145**, 261-266 (2002)

98. Ernő Kuzmann, Zoltán Homonnay, Attila Vértes, Shuxi Li, Houping Yin, Yen Wei, Amar Nath, Xuean Chen, and Jing Li,
Mössbauer Studies of the Interaction of Oxygen with Solid β-Fe^{II}-Phthalocyanine
Journal of Solid State Chemistry, **170**, pp. 118-123 (2003)

99. Z. Klencsár, E. Kuzmann, Z. Homonnay, A. Vértes, A. Simopoulos, E. Devlin, G. Kallias,
Interplay between magnetic order and the vibrational state of Fe in $FeCr_2S_4$
Journal of Physics and Chemistry of Solids, **64**, pp. 325-331 (2003)

100. Z. Homonnay, K. Nomura, G. Juhász, E. Kuzmann, S. Hamakawa, T. Hayakawa, and A. Vértes,
Microstructure and CO_2-absorption in $Sr_{0.95}Ca_{0.05}Co_{0.5}Fe_{0.5}O_{3-\delta}$ and $Sr_{0.5}Ca_{0.5}Co_{0.5}Fe_{0.5}O_{3-\delta}$ as studied by Emission Mössbauer Spectroscopy
J. Radioanal. Nucl. Chem. **255**, pp. 425-429 (2003)
impakt faktor: 0.488 (2000)

101. K. Nomura, S. Kobayashi, K. Hashimoto, Ts. Sawada, Z. Homonnay, and A. Vértes,
Microstructure analysis of $(Ba,Ca)(Fe,Mg)O_{3-\delta}$ for rapid CO_2-absorption by Mössbauer Spectroscopy
J. Radioanal. Nucl. Chem. **255**, pp.513-518 (2003)
impakt faktor: 0.488 (2000)

102. Z. Homonnay, Z. Klencsár, E. Kuzmann, Z. Németh, P. Rajczy, K. Kellner, G. Gritzner, A. Vértes,
Study of $(Ln, Sr)(Fe, Co)O_{3-\delta}$ type CMR materials by ^{57}Co emission Mössbauer spectroscopy
Solid State Phenomena, **90-91**, 165-170 (2003)

103. Z. Klencsár, Z. Németh, E. Kuzmann, Z. Homonnay, A. Vértes, G. Gritzner, M. Kühberger,
Mössbauer studies of $Fe_{1-x}Cu_xCr_2S_4$ chalcogenides with properties of colossal magnetoresistance
J. Nucl. Rad. Chem. Sci., **4**, 21-24 (2003)

104. Klencsar Z, Vertes A, Nemeth Z, Kuzmann E, Homonnay Z, Kotsis I, Nagy M, Simopoulos A, Devlin E, Kallias G
Mossbauer study of materials displaying colossal magnetic resistivity
HYPERFINE INTERACTIONS 148, 117-127 (2003)

105. A. Demény, T.W. Vennemann, E. Hegner, A. Ahijado, R. Casillas, G. Nagy, Z. Homonnay , M. Gutierrez, Cs. Szabó,
H, O, Sr, Nd, and Pb isotopic evidence for recycled oceanic crust in the Transitional Volcanic Group of Fuerteventura, Canary Islands, Spain
Chemical Geology 205, 37-54 (2004)

Book Chapter

1. Nagy, S., Vértes, A., Homonnay, Z., Murgás, L., Turmezey, T., Griger, A. and Lakner, J.: Mössbauer Investigation of AlFe and AlFeSi Phases in Specially Produced Aluminium Alloys and Industrial Aluminium
in "Industrial Applications of the Mössbauer Effect", G.J. Long and J. Stevens, editors, Plenum Publishing Co. (1986)

2. Kuzmann, E., Gál, M., Homonnay, Z., Nagy, S., Vankó, Gy., Vértes, A. and Nath, A.: ^{57}Fe and ^{57}Co Mössbauer study of suppression of superconductivity in $PrBa_2Cu_3O_{7-d}$ *Multichip Modules with Integrated Sensors.* ed. W.K. Jones and G. Harsányi, Kluwer Academic Publishers., 1996, pp. 273-278.

3. Homonnay, Z. and Vértes, A.:
Physical basis of Mössbauer spectroscopy
in "Mössbauer spectroscopy of sophisticated oxides" ed. A. Vértes and Z. Homonnay, pp. 1-27, Akadémiai Kiadó, Budapest 1997

4. Homonnay, Z.:
Mössbauer spectroscopy of high-T_c superconductors
in "Mössbauer spectroscopy of sophisticated oxides" ed. A. Vértes and Z. Homonnay, pp. 159-305, Akadémiai Kiadó, Budapest 1997

1. Dedushenko, S.K.: Mendeleev Communications, Issue 5, 1999, p.212
2. Music, S.: Croatica Chimica Acta 72, 87 (1999)
3. Perfiliev, YD.: JOURNAL OF RADIOANALYTICAL AND NUCLEAR CHEMISTRY 246, 21 (2000)
4. Kubuki, S., Nishida, T.: JOURNAL OF RADIOANALYTICAL AND NUCLEAR CHEMISTRY 246, 43 (2000)
5. Ristic, M. et al.: JOURNAL OF ALLOYS AND COMPOUNDS 308, 301 (2000)
6. Kravchenko, AV. et al.: RUSSIAN JOURNAL OF INORGANIC CHEMISTRY 45, 983 (2000)
7. Nishida T, Kamezawa H, Hara T, et al.: J RADIOANAL NUCL CH 250 (3): 547-550 DEC 2001
8. Perfil'ev, Yu. D., Russ. J. Inorg. Chem. 47 (5) p.611 (2002)

5. Amar Nath, Vladimir Chechersky, Zoltan Homonnay and Attila Vértes:
Emission Mössbauer effect studies of some outstanding problems in high temperature superconductivity
In: High Temperature Superconductivity: Ten Years After Its Discovery, eds. S. Bose and

K.B. Garg, Narosa Publ., London 1998, pp.10-23

6. Amar Nath, Vladimir Chechersky, Zoltan Homonnay and Attila Vértes:
   Emission Mössbauer studies of some high temperature superconductors
   in: Spectroscopy of Superconducting Materials, ACS Symposium Series 730, ed. E. Faulques, Am. Chem. Soc., 1999

7. Z. Homonnay, Z. Klencsár, K. Nomura, G. Juhász, E. Kuzmann, G. Gritzner, A. Nath and A. Vértes:
   Comparative transmission and emission Mössbauer studies on various perovskite-related systems, in: Material research in Atomic Scale by Mössbauer Spectroscopy, NATO Science Series II, vol. 94, eds. M. Mashlan, M. Miglierini, P. Schaaf, Kluwer Academic Publishers, Dordrecht, Boston, London, 2003, pp 307-316.

8. E. Kuzmann, Z. Homonnay, S. Nagy, K. Nomura,
   Mössbauer Spectroscopy
   Handbook of Nuclear Chemistry, eds. A. Vértes, S. Nagy, Z. Klencsár, Kluwer Academic Publishers, Dordrecht-Boston-London (2003) Volume 3, pp. 109-187.