



List of Publications (Dec. 2016)

A)	Books or Substantial Part of Book (Invited Contributions)	23
B)	Publications in Refereed Scientific Journals	656
C)	Papers at Conferences and Meetings	566

A) Books or Substantial Parts of a Book (Invited Contributions)

- (1) Ternary Complex Borides**
H. Nowotny and P. Rogl
in: "Boron and Refractory Borides"
Ed. V. I. Matkovich, Springer, Heidelberg, New York, 1977, p. 413-438
- (2) Crystal Data of Intermetallic Compounds of Titanium**
P. Rogl
in: "Titanium", Atomic Energy Review-Special Issue, No. 9,
International Atomic Energy Agency, Vienna, 1983, p. 201-369
- (3) Phase Equilibria in Ternary and Higher Order Systems with Rare Earth Elements and Boron**
P. Rogl
in: "Handbook on the Physics and Chemistry of the Rare Earths", Vol. 6,
L. Eyring and K. A. Gschneidner Jr., Eds.,
North Holland Publ. Comp., N.Y., Amsterdam, 1984, p. 335-523
- (4) Existence and Crystal Chemistry of Borides**
P. Rogl
in: "Inorganic Reactions and Methods", Vol. 13, Chapter 6,
Ed. J. J. Zuckerman, VCH-Publications Inc., 1991, p. 85-167.
- (5) Phase Equilibria in Ternary and Higher Order Systems with Rare Earth Elements and Silicon**
P. Rogl
in: "Handbook on the Physics and Chemistry of the Rare Earths", Vol.7,
L. Eyring and K. A. Gschneidner Jr., Eds., North Holland Publ. Comp., N.Y.,
Amsterdam, 1985, p. 1-264.
- (6) Ternary Systems: Actinoid Metal – Metal - Boron**
P. Rogl
in: "Handbook on the Physics and Chemistry of the Actinoids", Vol. 9,
R. Freeman and C. Keller, Eds.,
Elsevier Science Publ. B.V., N.Y., Amsterdam, 1991, p. 75-154

- (7) **Actinoidmetal Boron Carbides**
P. Rogl
in "The Physics and Chemistry of Carbides, Nitrides and Borides",
R. Freer (ed.); Kluwer Acad. Publ., Dordrecht, The Netherlands, 1990, p. 269-277
- (8) **Ternary Boronnitrides and Siliconnitrides**
P. Rogl and J. C. Schuster
ASM, Oh., USA, 1992, p. 1-128
- (9) **Competition between Trigonal Prisms and other Coordination Polyhedra in Borides, Carbides, Silicides and Phosphides**
P. Rogl
in "Modern Perspectives in Inorganic Crystal Chemistry", E. Parthe (ed.); Kluwer Acad. Publ., Dordrecht, The Netherlands, 1992, p. 267-278
- (10) **Ternary Alloys. A Comprehensive Compendium of Evaluated Constitutional Data and Phase Diagrams, A Series of Assessed Phase Diagrams**
P. Rogl
G. Petzow and G. Effenberg (Eds.), Verlag Chemie, Weinheim, FRG
A series of more than 100 contributions to **Vols. 1, 2** (1988); **Vols. 3, 4** (1990); **Vol. 5** (1991), **Vols. 6,7,8** (1993), **Vols. 9,10,11** (1994), **Vol. 16** (2000).
- (11) **Phase Diagrams of Ternary Metal-Boron-Carbon Systems**
P. Rogl
G. Effenberg (Ed.), ASM Intl., Ohio, USA, 1998, p. 1-525
- (12) **Co-editor of "Ternary Alloys: A Comprehensive Compendium of Evaluated Constitutional Data and Phase Diagrams",**
G. Effenberg, F. Aldinger and *P. Rogl* (Eds.), MSI-Services GmbH, D,
Vol. 17 "Ternary Systems with Magnesium" (2000).
- (13) **Co-editor of "Ternary Alloys: A Comprehensive Compendium of Evaluated Constitutional Data and Phase Diagrams",**
G. Effenberg, F. Aldinger and *P. Rogl* (Eds.), MSI-Services GmbH, D,
Vol. 18 "Ternary Systems with Magnesium" (2001).
- (14) **Formation of Clathrates**
P. Rogl
in "Handbook on Thermoelectrics", M. Rowe (ed.); RCR, 2005, pp.
- (15) **Phase Equilibria of Ternary Alloys: SpringerMaterials: The Landolt-Börnstein Database; G. Effenberg, S. Ilyenko (Eds.)** A series of more than 50 contributions to **Group IV, Vols. A, B, C, D, E** (>2004, ongoing)
- (16) **Non-centrosymmetric Superconductors: Strong versus Weak Electronic Correlations, Chapter 1, E. Bauer, P. Rogl, Book Series (Eds: E. Bauer; M. Sigrist) Lecture Notes in Physics, Vol. 847, 3-33** (2012)

- (17) **Thermoelectric Inverse Clathrates**, *M. Falmbigl and P. Rogl*, Chapter 9 in *Thermoelectrics and its Energy Harvesting – Modules, Systems and Applications in Thermoelectrics*, David Michael Rowe (Editor) published on April 25th, 2012 by CRC Press, Taylor and Francis Group, Boca Raton USA
- (18) **Severe Plastic Deformation, a Tool to Enhance Thermoelectric Performance**, *G. Rogl, P. Rogl, E. Bauer, M. Zehetbauer*, Chapter 10 in *Thermoelectric Nanomaterials*, (K. Koumoto, T. Mori, Eds.), Springer Series in Materials Science Vol. 182, Springer–Verlag Berlin Heidelberg, pp. 193-254 (2013)
- (19) **Changes of Thermoelectric Properties and Hardness after HPT Processing of Micro- and Nanostructured Skutterudites**, *G. Rogl, D. Setman, E. Schafler, J. Horky, M. Kerber, M. Zehetbauer, M. Falmbigl, P. Rogl, E. Bauer*, Chapter 7 in “New Materials for Thermoelectric Applications: Theory and Experiment” (Eds. V. Zlatic, A. Hewson), NATO Science for Peace and Security Series B: Physics and Biophysics, Springer Science, Dordrecht, DOI 10.1007/978-94-007-4984-9_7, pp. 81-91 (2013)
- (20) **From Superconductivity Towards Thermoelectricity: Ge-based Skutterudites**, *S. Humer, E. Royanian, H. Michor, E. Bauer, A. Grytsiv, M.X. Chen, R. Podloucky, and P. Rogl*, Chapter 9 in “New Materials for Thermoelectric Applications: Theory and Experiment” (Eds. V. Zlatic, A. Hewson), NATO Science for Peace and Security Series B: Physics and Biophysics, Springer Science, Dordrecht, DOI 10.1007/978-94-007-4984-9_9, pp. 115-127 (2013)
- (21) **Influence of Sn on the Structural and Thermoelectric Properties of the Type-I Clathrates $\text{Ba}_8\text{Cu}_5\text{Si}_6\text{Ge}_{35-x}\text{Sn}_x$ ($0 \leq x \leq 0.6$)**, *X. Yan, E. Bauer, P. Rogl, S. Paschen*, from MRS Online Proceedings Library (2012), 1490 (Thermoelectric Materials Research and Device Development for Power Conversion and Refrigeration), op 1.2013.23, 8 pp.
- (22) **Mechanical Properties of Intermetallic Clathrates**, *M. Falmbigl, S. Puchegger, P. Rogl*, Chapter 10 in *The Physics and Chemistry of Inorganic Clathrates*, (George S. Nolas, Ed.), Springer Series in Materials Science 199, Springer–Verlag Berlin Heidelberg, pp. 277-326 (2014).
- (23) **Concepts for Medium-high to High Temperature Thermoelectric Heat-to-Electricity Conversion: A Review of Selected Materials and Basic Considerations of Module Design**, *G. Schierning, R. Chavez, R. Schmechel, B. Balke, G. Rogl, P. Rogl*, *Translational Materials Research* 2, 025001, 1-26 (2015).

B) Publications

- 1) Complex-borides with ReB₂-type Structure; *P. Rogl, H. Nowotny and F. Benesovsky*; *Monatsh. Chem.* **101**, 27-31 (1970)
- 2) Ternary Complex Borides within the Systems [Mo,W]-[Ru,Os]-B and W-Ir-B; *P. Rogl, H. Nowotny and F. Benesovsky*; *Monatsh. Chem.* **101**, 850-54 (1970)
- 3) Complex Borides within the Systems Hf-[Mo,W]-B; *P. Rogl, H. Nowotny and F. Benesovsky*; *Monatsh. Chem.* **102**, 971-84 (1971)
- 4) A Contribution to the Structural Chemistry of the Iridium Borides; *P. Rogl, H. Nowotny and F. Benesovsky*; *Monatsh. Chem.* **102**, 678-86 (1971)
- 5) Complex Borides with Platinum Metals; *P. Rogl, F. Benesovsky and H. Nowotny*; *Monatsh. Chem.* **103**, 965-89 (1972)
- 6) New κ (kappa)-Borides and Related Phases (filled Re₃B-type); *P. Rogl, H. Nowotny and F. Benesovsky*; *Monatsh. Chem.* **104**, 182-92 (1973)
- 7) New Complex Borides; *P. Rogl and H. Nowotny*; *Monatsh. Chem.* **104**, 934-50 (1973)
- 8) New τ (tau)-Borides; *P. Rogl and H. Nowotny*; *Monatsh. Chem.* **104**, 1325-32 (1973)
- 9) New κ (kappa)-Phases; *P. Rogl and H. Nowotny*; *Monatsh. Chem.* **104**, 1497-1504 (1973)
- 10) Rare-Earth Cobalt-Borides; *P. Rogl*; *Monatsh. Chem.* **104**, 1623-31 (1973)
- 11) New Phases with Mo₂IrB₂-type Structure; *P. Rogl and H. Nowotny*; *Rev. Chim. Minerale*, **t 11**, 547-555 (1974)
- 12) Ternary Complex-Borides with ThMoB₄-type Structure; *P. Rogl and H. Nowotny*; *Monatsh. Chem.* **105**, 1082-98 (1974)
- 13) Complex Borides with Uranium; *P. Rogl and H. Nowotny*; *Monatsh. Chem.* **106**, 381-387 (1975)
- 14) A Constitutional Diagram of the System TiC-HfC-WC; *P. Rogl, S. Naik and E. Rudy*; *Monatsh. Chem.* **108**, 1189-1211 (1977)
- 15) A Constitutional Diagram of the System VC_{0.88}-HfC-WC; *P. Rogl, S. Naik and E. Rudy*; *Monatsh. Chem.* **108**, 1213-1234 (1977)
- 16) A Constitutional Diagram of the System TiC-HfC-'MoC'; *P. Rogl, S. Naik and E. Rudy*; *Monatsh. Chem.* **108**, 1325-1337 (1977)

- 17) A Constitutional Diagram of the System VC_{0.88}-HfC-'MoC'; *P. Rogl, S. Naik and E. Rudy*; *Monatsh. Chem.* **108**, 1339-1352 (1977)
- 18) The Mode of Filling the Voids in η (eta)-Phases; *P. Rogl and H. Nowotny*; *Monatsh. Chem.* **108**, 1167-1180 (1977)
- 19) New Complex Borides with ReB₂- and Mo₂IrB₂-type Structure; *P. Rogl and E. Rudy*; *J. Solid State Chemistry* **24**, 175-181 (1978)
- 20) Evaluation of ΔG_f -Values of Unstable Compounds; *G. Throop, P. Rogl and E. Rudy*; *High Temperatures-High Pressures*, **Vol. 10**, 553-559 (1978)
- 21) Calculation of Phase Equilibria in Ternary Alloy Systems: Line Compounds; *G. Throop, P. Rogl and E. Rudy*; *High Temperatures-High Pressures*, **Vol. 10**, 561-69 (1978)
- 22) New Borides with NbCoB₂-type Structure; *W. Steurer, P. Rogl and H. Nowotny*; *Monatsh. Chem.* **109**, 919-924 (1978)
- 23) Structural Chemistry of Ternary Metal-Borides; *P. Rogl and H. Nowotny*; *J. Less Common Metals* **61**, 39-45 (1978)
- 24) The Crystal Structure of ZrIr₃B₄; *P. Rogl*; *Acta Crystallogr.*, **B34**, 721-724 (1978)
- 25) Ternary Borides with YCrB₄-type Structure; *P. Rogl*; *Mater. Res. Bull.* **Vol. 13**, 519-23 (1978)
- 26) The Crystal Structure of ThBC; *P. Rogl*; *J. Nucl. Mater* **73**, 198-203 (1978)
- 27) New τ (tau)-Borides within the Systems Ta-Co-B and [Nb,Ta]-Ru-B; *W. Steurer, P. Rogl and H. Nowotny*; *Monatsh. Chem.* **110**, 791-798 (1979)
- 28) Studies in the Systems [Sc,Zr,Hf]-[Rh,Ir]-B; *P. Rogl and H. Nowotny*; *J. Less Common Metals*, **67**, 41-50 (1979)
- 29) Magnetic Behavior of new Ternary Metal Borides with YCrB₄-type Structure; *R. Sobczak and P. Rogl*; *J. Solid State Chem.* **27**, 343-48 (1979)
- 30) The Crystal Structure of Th₃B₂C₃; *P. Rogl*; *J. Nucl. Mater.* **79**, 154-158 (1979)
- 31) On the Crystallographic Relationship between Transitionmetal Monoborides and Actinidemetal Boroncarbides; *P. Rogl*; *J. Nucl. Mater.* **80**, 187-89 (1979)
- 32) Ternary Metal Borides [La,Ce,Pr,Nd,Sm]Os₄B₄ and [Y,La,Ce,Pr,Nd,Sm,Gd,Tb]Ir₄B₄ with NdCo₄B₄-type Structure; *P. Rogl*; *Monatsh. Chem.* **110**, 235-43 (1979)
- 33) Magnetic Behavior of MM'₄B₄-Borides; *B. Rupp, P. Rogl and R. Sobczak*; *Mater. Res. Bull.*, **14**, 1301-4 (1979)

- 34) The Crystal Structure of LaIr_4B_4 , ThOs_4B_4 , ThIr_4B_4 (NdCo_4B_4 -type) and URu_4B_4 , UOs_4B_4 (LuRu_4B_4 -type); *P. Rogl*; *Monatsh. Chem.* **111**, 517-527 (1980)
- 35) Structural Chemistry of Ternary Metal Borides: Rare Earth-Noble Metal-Boron; *P. Rogl and H. Nowotny*; *The Rare Earths in Modern Science and Technology*, **Vol. 2**, Plenum Press, New York, 1980, 173-179
- 36) Magnetic Behavior and Structural Chemistry of RERu_3B_2 -Borides; *K. Hiebl, P. Rogl, E. Uhl and M. J. Sienko*; *Inorgan. Chem.* **19(2)**, 3316-20 (1980)
- 37) Phase Equilibria and Compound Formation in Fe-M(Metal)-B-X (Non-metal) Systems; *P. Rogl, J. C. Schuster and H. Nowotny*; USA, pp. 33-43
- 38) The Crystal Structure of URu_3B_2 ; *P. Rogl*; *J. Nucl. Mater.* **92**, 292-298 (1980)
- 39) A Neutron Powder Diffraction Study of $(\text{V,Cr})_3\text{C}_{2-x}$; *W. Steurer, P. Rogl, H. Boller, B. Kunsch and H. Nowotny*; *J. Less-Common Metals*, **76**, 145-151 (1980)
- 40) Magnetic Behavior and Structural Chemistry of $\text{RE}(\text{Os,Ir})_4\text{B}_4$ -Borides; *K. Hiebl, M. J. Sienko and P. Rogl*; *J. Less-Common Metals*, **82**, 21-28 (1981)
- 41) Superconductivity in the Pseudoternary System: YRh_4B_4 - LuRh_4B_4 - ThRh_4B_4 ; *K. Hiebl, P. Rogl and M. J. Sienko*; *J. Less-Common Metals* **82**, 201-209 (1981)
- 42) Structural Chemistry and Magnetic Properties of the Compounds EuOs_4B_4 and EuIr_4B_4 and of the Solid Solutions REOs_4B_4 - REIr_4B_4 ($\text{RE} = \text{Ce,Pr,Sm}$); *K. Hiebl, P. Rogl and M. J. Sienko*; *Inorgan. Chem.* **21**, 1128-1133 (1982)
- 43) Crystal Structure and Phase Relationships within Ternary Systems: Rare Earth Metal-Noble Metal-Boron; *P. Rogl and H. Nowotny*; in "The Rare Earths in Modern Science and Technology"; Eds.: G. J. McCarthy, J. J. Rhyne and H. E. Silber, **Vol. 3** (1982), Plenum Press, New York, p. 353-356
- 44) Structural Chemistry of Complex Carbides and Related Compounds; *H. Nowotny, P. Rogl and J. C. Schuster*; *J. Solid State Chemistry* **44**, 126-33 (1982)
- 45) A Neutron Diffraction Study of $\text{Cr}_3(^{11}\text{B}_{0.44}\text{C}_{0.56})\text{C}_{0.85}$ and $\text{Cr}_3\text{C}(\text{C}_{0.52}\text{N}_{0.48})$; *P. Rogl, B. Kunsch, P. Ettmayer, H. Nowotny and W. Steurer*; *Zeitschrift f. Kristallographie* **160**, 275-284 (1982)
- 46) New Ternary Transition Metal Borides Containing Uranium and Rare Earth-Elements; *P. Rogl and L. DeLong*; *J. Less-Common Metals* **91**, 97-106 (1983)
- 47) Refinement of the Crystal Structure of CeOs_2Si_2 (ThCr_2Si_2 -Typ); *C. Horvath and P. Rogl*; *Mater. Res. Bull.* **18**, 443-448 (1983)

- 48) Magnetic Properties and Structural Chemistry of Ternary Silicides (RE,Th,U)Ru₂Si₂ (RE = Rare Earth); *K. Hiebl, C. Horvath, P. Rogl and M. J. Sienko*; *J. Magn. Magn. Mater.* **37**, 287-296 (1983)
- 49) Magnetic Properties and Structural Data of Ternary Silicides: (RE,Th,U)Os₂Si₂ (RE = Rare Earth); *K. Hiebl, C. Horvath, P. Rogl and M. J. Sienko*; *Solid State Commun.* **48(3)**, 211-215 (1983)
- 50) Magnetism and Structural Chemistry of Ternary Borides RE₂MB₆ (RE = Rare Earth, M = Ru,Os); *K. Hiebl, P. Rogl and H. Nowotny*; *J. Solid State Chemistry* **54**, 414-420 (1984)
- 51) Investigation of the Magnetic Behavior and Structural Chemistry within the Pseudobinary System CeOs_xRu_{2-x}Si₂; *K. Hiebl, C. Horvath, P. Rogl and M. J. Sienko*; *Z. Phys. B, Condensed Matter* **56**, 201-205 (1984)
- 52) The Crystal Structure of Sc₂Ru₅B₄; *P. Rogl*; *J. Solid State Chemistry* **55**, 262-269 (1984)
- 53) On the Valence Behavior of Cerium in the Alloy Series CeRu_{2-x}Os_x; *K. Hiebl, C. Horvath, P. Rogl and M. J. Sienko*; *Physica* **130B**, 129-134 (1985)
- 54) Refinement of the Crystal Structure of HoRu₂Si₂(ThCr₂Si₂-Type); *C. Horvath and P. Rogl*; *Mater. Res. Bull.* **20**, 35-40 (1985)
- 55) Magnetism and Structural Chemistry of Ternary Silicides: (RE,Th,U)Pt₂; *K. Hiebl and P. Rogl*; *J. Magn. Magn. Mater.* **50**, 39-48 (1985)
- 56) A Neutron Diffraction Study of the κ(kappa)-Phase Ti₉Fe₃(Ti_{0.7}Fe_{0.3})O₃; *P. Rogl, B. Rupp, G. Wiesinger, J. Schefer and P. Fischer*; *J. Less-Common Metals* **113**, 103-111 (1985)
- 57) Phase Equilibria, Structural Chemistry in Ternary Systems: Metal-Boron-Nitrogen; *I. Smid and P. Rogl*; *Proceedings, 11th Plansee Seminar, Reutte/Tirol*; **Vol 2**, 1029-1035 (1985)
- 58) Valence Behavior of Cerium in Ternary Gallides; *Yu. N. Grin, K. Hiebl and P. Rogl*; *J. Less-Common Metals* **110**, 299-305 (1985)
- 59) Structural Chemistry and Phase Equilibria of Ternary Rare Earth-Platinum Metal-Borides; *P. Rogl*; *J. Less-Common Metals* **110**, 283-294 (1985)
- 60) New Ternary Borides with LuRuB₂-type; *C. Horvath and P. Rogl*; *Mater. Res. Bull.* **20**, 1273-1278 (1985)
- 61) The Crystal Structure of U₄Ni₁₁Ga₂₀ and of Isotypic U₄Pd₁₁Ga₂₀ and U₄Pt₁₁Ga₂₀-compounds; *Yu. N. Grin and P. Rogl*; *J. Nucl. Mater.* **137**, 89-93 (1986)

- 62) Magnetic Behaviour of Ternary Silicides CeT_2Si_2 , $T = Ru, Rh, Pd, Os, Ir, Pt$; and Boron-Substitution in $Ce(Ru, Os)_2Si_{2-x}B_x$; *K. Hiebl, C. Horvath and P. Rogl*; *J. Less-Common Metals* **117**, 375-383 (1986)
- 63) Phase Equilibria and Crystal Structures in Ternary Systems: Actinoidmetal-Transitionmetal-Boron; Ternary Plutonium Borides with less than 50 at.% B; *P. Rogl, P. E. Potter and H. R. Haines*; *J. Less-Common Metals* **121**, 431-437 (1986)
- 64) Crystal Chemistry of Ternary Gallides $REPd_xGa_{4-x}$; *Yu. N. Grin, P. Rogl, K. Hiebl and R. Eibler*; *J. Less-Common Metals* **115**, 335-342 (1986)
- 65) Structural Chemistry and Magnetic Behavior of Ternary Uranium Gallides $U\{Fe, Co, Ni, Ru, Rh, Pd, Os, Ir, Pt\}Ga_5$; *Yu. N. Grin, P. Rogl and K. Hiebl*; *J. Less-Common Metals* **121**, 497-505 (1986)
- 66) Ternary Gallides $REAg_xGa_{4-x}$ ($RE = La, Ce, Pr, Nd, Sm$); *Yu. N. Grin, K. Hiebl, P. Rogl and R. Eibler*; *J. Less-Common Metals* **115**, 367-372 (1986)
- 67) Phase Equilibria and Structural Chemistry in Ternary Systems: Transition Metal (Fe, Co, B)-Boron-Nitrogen; *I. Smid and P. Rogl*; in "Science of Hard Materials, Inst. Physics Conf. Series **No. 75**" (E. A. Almond, C.A. Brookes and R. Warren, eds.) A. Hilger Ltd., Bristol, Boston (1986) 249-57
- 68) "Ternary Compounds RMo_2Al_4 , $R = Y, Gd, Tb, Dy, Ho, Er, Tm, Lu$ " (in Russian); *Yu. N. Grin and P. Rogl*; *Vestnik. Lvov. Univ. Ser. Chim.*, **27** (1986) 38-41
- 69) The Crystal Structure of $CeRu_2B_2$ and Isotypic Compounds $M(Ru, Os)_2B_2$, $M = La, Pr, Nd, Sm, Gd$ and Th ; *C. Horvath, P. Rogl and K. Hiebl*; *J. Solid State Commun.* **67**, 70-77 (1987)
- 70) Magnetochemistry and Crystal Chemistry of Ternary Actinoidmetal-Silicides: $\{Th, U\}\{Cu, Ru, Os, Ir, Pt\}_2Si_2$; *K. Hiebl and P. Rogl*; *J. Nucl. Mater.* **144**, 193-195 (1987)
- 71) Magnetism and Structural Chemistry of Ternary Borides $RECo_2B_2$ ($RE = Y, La, Pr, Nd, Sm, Gd, Tb, Dy, Ho$ or Er) and Boron Substitution in $(Y, Ce)Co_2Si_{2-x}B_x$; *B. Rupp, P. Rogl and F. Hulliger*; *J. Less-Common Metals* **135**, 113-125 (1987)
- 72) Phase Equilibria and Crystal Structures in Ternary Systems: Actinoidmetal-Transitionmetal-Boron; Ternary Plutonium Borides $PuTB_2$; *P. Rogl, P. E. Potter and H. R. Haines*; *J. Nucl. Mater* **149**, 283-288 (1987)
- 73) Structural Chemistry and Magnetic Behavior of Ternary Gallides $REAu_xGa_{4-x}$, $RE = La, Ce, Pr, Nd, Sm$; *Yu. N. Grin, P. Rogl, K. Hiebl, F. Wagner and H. Noël*; *J. Solid State Chem.* **70**, 168-177 (1987)
- 74) Structural Chemistry and Magnetic Behavior of Ternary Gallides $REPt_xGa_{4-x}$ ($RE = La, Ce, Pr, Nd, Sm$); *Yu. N. Grin, P. Rogl and K. Hiebl*; *J. Less-Common Metals* **136**, 329-338 (1988)

- 75) Phase Relations and Hydrogen Absorption of Neodymium-Iron-Boron Alloys; *B. Rupp, A. Resnik, D. Shaltiel and P. Rogl*; *J. Mater. Science* **23**, 2133-2144 (1988)
- 76) X-ray Investigations in the System Ruthenium-Silicon and Ruthenium-Silicon-Nitrogen; *F. Weitzer, P. Rogl and J. C. Schuster*; *Z. Metallkde.* **79**, 154-156 (1988)
- 77) Structural Chemistry and Phase Equilibria in the Ternary System: Niobium-Boron-Nitrogen; *P. Rogl, H. Klesnar, P. Fischer, B. Chevalier, B. Buffat, G. Demazeau and J. Etourneau*; *J. Mater. Science Letters* **7**, 1229-1230 (1988)
- 78) Structural Chemistry, Electrical Resistivity, Magnetization and Specific Heat in $\text{La}_{1.85}\text{Sr}_{0.15}\text{Cu}_{1-x}\text{Zn}_x\text{O}_4$; *G. Hilscher, N. Pillmayr, R. Eibler, E. Bauer, K. Remschnig and P. Rogl*; *Zeitschrift f. Physik B, Condensed Matter* **72**, 461-470 (1988)
- 79) A Critical Review and Thermodynamic Calculation of the Binary System: Zirconium-Boron; *P. Rogl and P. E. Potter*; *Calphad* **12**, 191-204 (1988)
- 80) Powder Neutron Diffraction of $\text{Nb}_2\text{BN}_{1-x}$; *P. Rogl, H. Klesnar and P. Fischer*; *J. Amer. Ceram. Soc.* **71(10)** C450-452 (1988)
- 81) A Critical Review and Thermodynamic Calculation of the Binary System: Hafnium-Boron; *P. Rogl and P. E. Potter*; *Calphad* **12(3)**, 207-218 (1988)
- 82) "Synthesis, Crystal Structure and Magnetism of U_2RuGa_6 " (in Russian); *Y.N. Grin, P. Rogl, L. G. Akselrud, V.K. Pecharsky and Y.P. Yarmolyuk*; *Metally* **4**, 202-203 (1988)
- 83) Phase Equilibria and Crystal Structures in the Ternary Systems Actinoid Metal-Transition Metal-Boron, III. Ternary Transition Metal Diborides with Plutonium; *P. Rogl, P. E. Potter and H. R. Haines*; *J. Nucl. Mater.* **160**, 107-110 (1988)
- 84) Effect of Cu/Zn Substitution upon Superconductivity in $\text{YBa}_2(\text{Cu}_{1-x}\text{Zn}_x)\text{O}_{7-\delta}$ and $\text{La}_{1.85}\text{Sr}_{0.15}\text{Cu}_{1-x}\text{Zn}_x\text{O}_{4-\delta}$; *K. Remschnig, P. Rogl, E. Bauer, R. Eibler, G. Hilscher, H. Kirchmayr and N. Pillmayr*; *Internat. Meeting on High-Tc Superconductors, Mauterndorf, Austria, Ed. H. W. Weber, Plenum Press, N.Y., London, 1988, pp. 99-105*
- 85) Effect of Cu-Substitution by Zn, Cd and Hg upon Superconductivity in $\text{YBa}_2\text{Cu}_3\text{O}_7$ and $\text{La}_{1.85}\text{Sr}_{0.15}\text{CuO}_4$; *K. Remschnig and P. Rogl, R. Eibler, G. Hilscher, N. Pillmayr, H. Kirchmayr and E. Bauer*; *Proceedings of the Internat. Conf. on High Tc-Materials, Interlaken, Switzerland, 1988, pp. 1-2*
- 86) Neutron and Low Temperature X-ray Powder Diffraction and Thermal Expansion Measurements on $\text{La}_{1.85}\text{Sr}_{0.15}\text{Cu}_{1-x}\text{Zn}_x\text{O}_{4-\delta}$; *K. Remschnig, P. Rogl, E. Gratz, H. Müller and P. Fischer*; *Physica* **C158**, 458-464 (1989)

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