



List of Publications (Dec. 2020)

A)	Books or Substantial Part of Book (Invited Contributions)	25
B)	Publications in Refereed Scientific Journals	712
C)	Papers at Conferences and Meetings	580

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 Boronitrides and Siliconitrides**
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.); CRC, 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 $Ba_8Cu_5Si_6Ge_{35-x}Sn_x$ ($0 \leq x \leq 0.6$)**, 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 l.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).
- (24) **"Thermoelectric Sb-Based Skutterudites for Medium Temperatures"**, G. Rogl, A. Grytsiv, E. Bauer, P. Rogl, in Advanced Thermoelectrics: Materials, Contacts, Devices and Systems (eds. Z. Ren, Y. Lan, and Q. Zhang), CRC Press, Boca Raton, FL, USA, pp. 193–230 (2019).
- (25) **"How Severe Plastic Deformation Changes the Mechanical Properties of Thermoelectric Skutterudites and half Heusler Alloys - Review"**, G. Rogl and P.F. Rogl, Energy Materials, Frontiers in Materials (Ed. M.S. Toprak) 7; 600261, 1-16 (2020).

B) Publications

- 1) Complex-borides with ReB_2 -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 Re_3B -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 Mo_2IrB_2 -type Structure; *P. Rogl and H. Nowotny*; *Rev. Chim. Minerale*, **t 11**, 547-555 (1974)
- 12) Ternary Complex-Borides with ThMoB_4 -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 $\text{VC}_{0.88}\text{-HfC-WC}$; *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 $\text{VC}_{0.88}\text{-HfC-'MoC'}$; *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 ReB_2 - and Mo_2IrB_2 -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 NbCoB_2 -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 ZrIr_3B_4 ; *P. Rogl*; *Acta Crystallogr.*, **B34**, 721-724 (1978)
- 25) Ternary Borides with YCrB_4 -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 $[\text{Nb,Ta}]\text{-Ru-B}$; *W. Steurer, P. Rogl and H. Nowotny*; *Monatsh. Chem.* **110**, 791-798 (1979)
- 28) Studies in the Systems $[\text{Sc,Zr,Hf}]\text{-}[\text{Rh,Ir}]\text{-B}$; *P. Rogl and H. Nowotny*; *J. Less Common Metals*, **67**, 41-50 (1979)
- 29) Magnetic Behavior of new Ternary Metal Borides with YCrB_4 -type Structure; *R. Sobczak and P. Rogl*; *J. Solid State Chem.* **27**, 343-48 (1979)
- 30) The Crystal Structure of $\text{Th}_3\text{B}_2\text{C}_3$; *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 $[\text{La,Ce,Pr,Nd,Sm}]\text{Os}_4\text{B}_4$ and $[\text{Y,La,Ce,Pr,Nd,Sm,Gd,Tb}]\text{Ir}_4\text{B}_4$ with NdCo_4B_4 -type Structure; *P. Rogl*; *Monatsh. Chem.* **110**, 235-43 (1979)
- 33) Magnetic Behavior of $\text{MM}'_4\text{B}_4$ -Borides; *B. Rupp, P. Rogl and R. Sobczak*; *Mater. Res. Bull.*, **14**, 1301-4 (1979)

- 34) The Crystal Structure of LaIr₄B₄, ThOs₄B₄, ThIr₄B₄ (NdCo₄B₄-type) and URu₄B₄, UOs₄B₄ (LuRu₄B₄-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 RERu₃B₂-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 URu₃B₂; *P. Rogl*; *J. Nucl. Mater.* **92**, 292-298 (1980)
- 39) A Neutron Powder Diffraction Study of (V,Cr)₃C_{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 RE(Os,Ir)₄B₄-Borides; *K. Hiebl, M. J. Sienko and P. Rogl*; *J. Less-Common Metals*, **82**, 21-28 (1981)
- 41) Superconductivity in the Pseudoternary System: YRh₄B₄-LuRh₄B₄-ThRh₄B₄; *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 EuOs₄B₄ and EuIr₄B₄ and of the Solid Solutions REOs₄B₄-REIr₄B₄ (RE = 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 Cr₃(¹¹B_{0.44}C_{0.56})C_{0.85} and Cr₃C(C_{0.52}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 CeOs₂Si₂ (ThCr₂Si₂-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. 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 HoRu_2Si_2 (ThCr_2Si_2 -Type); *C. Horvath and P. Rogl*; *Mater. Res. Bull* **20**, 35-40 (1985)
- 55) Magnetism and Structural Chemistry of Ternary Silicides: $(\text{RE,Th,U})\text{Pt}_2$; *K. Hiebl and P. Rogl*; *J. Magn. Magn. Mater.* **50**, 39-48 (1985)
- 56) A Neutron Diffraction Study of the κ (kappa)-Phase $\text{Ti}_9\text{Fe}_3(\text{Ti}_{0.7}\text{Fe}_{0.3})\text{O}_3$; *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 LuRuB_2 -type; *C. Horvath and P. Rogl*; *Mater. Res. Bull.* **20**, 1273-1278 (1985)
- 61) The Crystal Structure of $\text{U}_4\text{Ni}_{11}\text{Ga}_{20}$ and of Isotypic $\text{U}_4\text{Pd}_{11}\text{Ga}_{20}$ and $\text{U}_4\text{Pt}_{11}\text{Ga}_{20}$ -compounds; *Yu. N. Grin and P. Rogl*; *J. Nucl. Mater.* **137**, 89-93 (1986)
- 62) Magnetic Behaviour of Ternary Silicides CeT_2Si_2 , $T = \text{Ru,Rh,Pd,Os,Ir,Pt}$; and Boron-Substitution in $\text{Ce}(\text{Ru,Os})_2\text{Si}_{2-x}\text{B}_x$; *K. Hiebl, C. Horvath and P. Rogl*; *J. Less-Common Metals* **117**, 375-383 (1986)
- 63) Phase Equilibria and Crystal Structures in Ternary Systems: Actinoid-metal-Transition-metal-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 $\text{REPd}_x\text{Ga}_{4-x}$; *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 $\text{U}\{\text{Fe,Co,Ni,Ru,Rh,Pd,Os,Ir,Pt}\}\text{Ga}_5$; *Yu.N. Grin, P. Rogl and K. Hiebl*; *J. Less-Common Metals* **121**, 497-505 (1986)
- 66) Ternary Gallides $\text{REAg}_x\text{Ga}_{4-x}$ ($\text{RE} = \text{La,Ce,Pr,Nd,Sm}$); *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 , $R = \text{Y,Gd,Tb,Dy,Ho,Er,Tm,Lu}$ " (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 $\text{M}(\text{Ru,Os})_2\text{B}_2$, $\text{M} = \text{La,Pr,Nd,Sm,Gd}$ 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: $\{\text{Th,U}\}\{\text{Cu,Ru,Os,Ir,Pt}\}_2\text{Si}_2$; *K. Hiebl and P. Rogl*; *J. Nucl. Mater.* **144**, 193-195 (1987)
- 71) Magnetism and Structural Chemistry of Ternary Borides RECo_2B_2 ($\text{RE} = \text{Y,La,Pr,Nd,Sm,Gd,Tb,Dy,Ho}$ or Er) and Boron Substitution in $(\text{Y,Ce})\text{Co}_2\text{Si}_{2-x}\text{B}_x$; *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 La_{1.85}Sr_{0.15}Cu_{1-x}Zn_xO₄; *G. Hilscher, N. Pillmayr, R. Eibler, E. Bauer, K. Remschnig, 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 Nb₂BN_{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 U₂RuGa₆" (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)
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