

Max-Planck-Institut für Festkörperforschung Stuttgart
Publications of Dr. Reinhard K. Kremer

1983

- 1 T. Gambke, B. Elschner, R. Kremer and M. Schanz
Electron-Spin-Resonance of Some Rare-Earth Ions in Cubic
Intermetallic Compounds
Journal of Magnetism and Magnetic Materials 36 (1983) 115

1984

- 2 W. Urland and R. Kremer
Electron Spin Resonance Spectra of Low-Symmetry Rare-Earth
Complexes: Tetraphenylarsonium Pentakis(nitrato)ytterbate (III)
Inorganic Chemistry 23 (1984) 1550
- 3 W. Urland, E.-J. Zehnder and R. Kremer
Dependence of Crystal Field Levels of Pr^{3+} in $LaCl_3$ and $GdCl_3$
on Coordination Chemistry
Chemical Physics Letters 106 (1984) 417

1985

- 4 W. Urland, H.D. Hochheimer, G.A. Kourouklis and R. Kremer
Pressure-Dependent Crystal Field Splitting of Pr^{3+} in $LaCl_3$:
The Observation of a Crossing of Crystal Field Levels
Solid State Communications 55 (1985) 649
- 5 R. Kremer
Magnetische Untersuchungen des eindimensionalen
Heisenberg-Magneten Gd_2Cl_3
Dissertation, TH Darmstadt 1985

1986

- 6 W. Urland, H.D. Hochheimer, G.A. Kourouklis and R. Kremer
The First Observation of a Crossing of Crystal Field Levels
Physica 139+140B (1986) 553
- 7 W. Urland, R. Kremer and A. Furrer
Crystal Field Levels in Tetraphenylarsonium Pentakis(Nitrato) Ytterbate(III)
Determined by Neutron Spectroscopy
Chemical Physics Letters 132 (1986) 113

1987

- 8 B. Schmid, B. Haelg, A. Furrer, W. Urland and R. Kremer
Structure and Crystal Fields of $PrBr_3$ and $PrCl_3$: A Neutron Study
Journal of Applied Physics 61(8) (1987) 3426
- 9 R. Kremer, E. Gmelin and A. Simon
Thermal and Magnetic Properties of $TbCl_3$
Journal of Magnetism and Magnetic Materials 69 (1987) 53
- 10 W. Hoenle, R. Kremer and H.G. von Schnering
Ruthenium(III)triphosphid RuP_3
Preparation, crystal structure and properties
Zeitschrift für Kristallographie 179 (1987) 443
- 11 H. Gunsilius, W. Urland and R. Kremer
Darstellung von Selten-Erd-Trichloriden über chemischen
Transport mit Aluminiumchlorid
Zeitschrift für Anorganische und Allgemeine Chemie 550 (1987) 35
- 12 L. Morss, Hj. Mattausch, R. Kremer, A. Simon and J.D. Corbett
Enthalpy of Formation of Gadolinium Sequeichloride Gd_2Cl_3
Inorganica Chimica Acta 140(1-2) (1987) 107

1988

- 13 R.K. Kremer and J.E. Greedan
Magnetic Ordering in $CoTa_2O_6$ and $NiTa_2O_6$
Journal of Solid State Chemistry 73 (1988) 579
- 14 H.-P. Werner, J.U. von Schütz, H.C. Wolf, R. Kremer, M. Gehrke,
A. Aumüller, P. Erk and S. Hünig
Radical Anion Salts of N, N'-Dicyanoquinonediimine(DCNQI)
Conductivity and Magnetic Properties
Solid State Communications 65 (1988) 809
- 15 A. Simon, H. Borrmann, Hj. Mattausch, W. Bauhofer and R. Kremer
Are One-Dimensional Features Essential for Superconductivity at $90K$?
in: 'Chemistry of Oxide Superconductors', Edt. by C.N.R. Rao,
Blackwell Scientific Publications 1988

- 16 A. Simon, H. Borrmann, Hj. Mattausch, W. Bauhofer and R. Kremer
Are One-Dimensional Features Essential for Superconductivity at $90K$?
Proceedings of the International Discussion Meeting on *High - T_c*
Superconductors, Schloß Mauterndorf, Austria Feb. 7-11, 1988,
Edt. by H. W. Weber, Plenum Publishing Corporation, 1988
- 17 Z.V. Popovic, C. Thomsen, M. Cardona, R. Liu, G. Stanisic,
R. Kremer and W. König
Phonon Characterization of $Bi_2(Sr_{1-x}Ca_x)_2CuO_{6-\delta}$ by Infrared
and Raman Spectroscopy
Solid State Communications 66 (1988) 965
- 18 Wen Dai, E. Gmelin and R. Kremer
Magnetothermal Properties of Sintered $Gd_3Ga_5O_{12}$
Journal of Physics D; Applied Physics 21 (1988) 628
- 19 B. Schmid, P. Fischer, R. Kremer, A. Simon and A.W. Hewat
3D Antiferromagnetic Ordering in the Linear Chain System Tb_2Cl_3
Journal de Physique, Colloq. C8 (1988) 841
- 20 A. Simon, J. Köhler, H. Borrmann, B. Gegenheimer and R. Kremer
X-Ray Structural Investigation of an Untwinned Single Crystal
of Orthorhombic $YBa_2Cu_3O_{6.93}$
Journal of Solid State Chemistry 77 (1988) 200

1989

- 21 R.K. Kremer, J.E. Greedan, E. Gmelin, W. Dai,
S.M. Eicher and K. Lushington
Specific Heat of MTa_2O_6 ($M = Co, Ni, Fe, Mg$)
Evidence for Low Dimensional Ordering
Journal de Physique, Colloq. C8 (1989) 1495
- 22 W. Bauhofer, J.K. Cockcroft, R. Kremer, Hj. Mattausch,
C. Schwarz and A. Simon
Electrical and Magnetic Properties of Gadolinium and Terbium
Cluster Compounds
Journal de Physique, Colloq. C8 (1989) 893
- 23 W. Bauhofer, Hj. Mattausch, R.K. Kremer, P. Murugaraj and A. Simon
Superconductivity in the System $Bi_2Sr_{2-x}La_xCuO_{6+\delta}$
Physical Review B39 (1989) 7244

- 24 H.-P. Werner, J.U. von Schütz, H.C. Wolf,
R.K. Kremer, M. Gehrke A. Aumüller, P. Erk and S. Hünig
Spin-Peierls Transition in
2,5-Dichloro-N,N' - Dicyanoquinonediimine)₂N(CH₃)₄
Solid State Communications 69 (1989) 1127
- 25 A. Schadel und R. Kremer
Der Einfluß äusserer Magnetfelder auf metallische Mittelohrimplantate
Zeitschrift HNO 37(8) (1989) 315
- 26 W. Bauhofer, W. Biberacher, B. Gegenheimer, W. Joss,
R. K. Kremer, Hj. Mattausch, A. Müller and A. Simon
Anisotropic Superconducting Properties of $YBa_2Cu_3O_{7-\delta}$
($\delta = 0.1$ and 0.4) untwinned single crystals
Physical Review Letters 63 (1989) 2520
- 27 J.N. Reimers, J.E. Greedan, C.V. Stager and R. Kremer
Crystal Structure and Magnetism in $CoSb_2O_6$ and $CoTa_2O_6$
Journal of Solid State Chemistry 83 (1989) 20

1990

- 28 R.K. Kremer, W. Bauhofer, Hj. Mattausch, W. Brill and A. Simon
 $TbBrD_{0.7}$: Spin Glass Behavior Introduced by Disorder in the
Nonmagnetic Substructure
Solid State Communications 73 (1990) 281
- 29 E.T. Heyen, R. Liu, C. Thomsen, R. Kremer, M. Cardona, J. Karpinski,
E. Kaldis and S. Rusiecki
Optical phonons in $YBa_2Cu_4O_8$ and $Y_2Ba_4Cu_7O_{15-\delta}$.
Physical Review B41 (1990) 11140
- 30 F. Hentsch, N. Winzek, M. Mehring, Hj. Mattausch, A. Simon
and R. Kremer
²⁰⁵Tl Nuclear Spin Lattice Relaxation in the One Layer ($Tl_2Ba_2CuO_6$),
Two Layer ($Tl_2CaBa_2Cu_2O_8$) and Three Layer ($Tl_2Ca_2Ba_2Cu_3O_{10}$)
High-T_c Superconductors.
Physica C165 (1990) 485
- 31 W. Bauhofer, W. Biberacher, B. Gegenheimer, W. Joss,
R. K. Kremer, Hj. Mattausch, A. Müller and A. Simon
Anisotropic Superconducting Properties of $YBa_2Cu_3O_{7-\delta}$
($\delta = 0.1$ and 0.4) untwinned single crystals
Physica B163 (1990) 476

- 32 N. Winzek, F. Hentsch, M. Mehring, Hj. Mattausch, R. Kremer,
and A. Simon
²⁰⁵Tl Knight and Chemical Shift in the High-T_c Superconductors
Tl₂Ba₂CuO₆, Tl₂CaBa₂Cu₂O₈ and Tl₂Ca₂Ba₂Cu₃O₁₀
Physica C168 (1990) 327
- 33 C. Bauhofer, Hj. Mattausch, G.J. Miller, W. Bauhofer, J.K. Cockcroft,
R.K. Kremer und A. Simon
Struktur und Eigenschaften von *Gd₂XC* (*X = Cl, Br, I*).
Journal of the Less Common Metals 167 (1990) 65
- 34 E. Kemnitz, T. Olesch, N. Pruss, A. Simon, Hj. Mattausch,
R.K. Kremer and W. Bauhofer
Oxidative Chlorination of *YBa₂Cu₃O_{7-x}*
Materials Research Bulletin 25 (1990) 1019

1991

- 35 R.K. Kremer, W. Bauhofer, Hj. Mattausch and A. Simon
The Origin of Spin Glass Behavior in *TbBrD_{0.7}*
European Journal of Inorganic and Solid State Chemistry T28 (1991) 519
- 36 J.N. Reimers, J.E. Greedan, R.K. Kremer, E. Gmelin,
and M.A. Subramanian Short Range Ordering in the Highly frustrated Pyrochlore
Y₂Mn₂O₇ Physical Review B43 (1991) 3387
- 37 A. Simon, Hj. Mattausch, G.J. Miller, W. Bauhofer and R.K. Kremer
Metal-Rich Halides of the Rare Earth Elements- Structure, Bonding and Properties
Handbook on the Physics and Chemistry of Rare Earths, Vol. 15
edited by K.A. Gschneidner, Jr., LeRoy Eyring and S. Hufner
Amsterdam, Oxford, New York, Tokio (North Holland)
- 38 S. Vogel, A. Barth, G. Huttner, Th. Klein, L. Zsolnai
und R. Kremer
Intermediate in Nitrogenase-Modellen:
N₂H₃ und *N₂H₄* als η^2 -koordinierte Liganden
Angewandte Chemie 103 (1991) 325
- 39 F. Böttcher, A. Simon, R.K. Kremer, H. Buchkremer-Hermanns,
und J.K. Cockcroft
Thoriumbromidcluster mit oktaedrischen *Th₆*-Einheiten
Zeitschrift für anorganische und allgemeine Chemie 599/600 (1991) 725

- 40 A. Simon, Hj. Mattausch, R. Eger und R.K. Kremer
Supraleitung in Schichtverbindungen von Seltenerdcarbidhaolgeniden
Angewandte Chemie 103 (1991) 1210

1992

- 41 Hj. Mattausch, R.K. Kremer, R. Eger und A. Simon
 $Gd_2Br_2C_2$: Eine neue Stapelvariante
Zeitschrift für anorganische und allgemeine Chemie 609 (1992) 7
- 42 N. Winzek, Hj. Mattausch, R. Kremer, A. Simon, and M. Mehring
 ^{205}Tl NMR in the High- T_c Superconductor $Tl_2Ba_2Ca_2Cu_2O_{8-\delta}$
Extended Abstracts of the 10th Specialized Colloquium AMPERE
on NMR/NQR in High- T_c Superconductors, Zürich 1991
- 43 G. Rangarajan, Narayani Senthilkumaran, N.P. Raju, E. Gmelin
and R.K. Kremer
Electrical, Magnetic and Thermal Properties of Ternary $A_2B_2O_7$
Pyrochlores - a Family of Magnetic Semiconductors
Proceedings of the Conference on the Physics and Technology of Semiconductor
Devices and Integrated Circuits,
edt. by B.S.V. Gopalam, Tata McGraw-Hill Publishing Company Ltd.
Invited Paper
- 44 R.K. Kremer, J.K. Cockcroft, Hj. Mattausch, N.P. Raju and A. Simon
Magnetic Properties of the New Rare Earth Carbide Fluoride Layered
Compound: Ho_2CF_2
Journal of Magnetism and Magnetic Materials 104-107 (1992) 959
- 45 W. Bauhofer, W. Joss, R.K. Kremer, Hj. Mattausch, and A. Simon
Origin of the Resistivity Increase in Gadolinium Hydride Halides:
 $GdXH(D)_y$ ($X = Cl, Br, I; 0.67 < y < 1.0$)
Journal of Magnetism and Magnetic Materials 104-107 (1992) 1243
- 46 J.K. Cockcroft, R.K. Kremer, Hj. Mattausch, N.P. Raju, and A. Simon
Structure and Magnetic Ordering of Holmium Carbide Fluoride: Ho_2CF_2
Journal of Alloys and Compounds 183 (1992) 241
- 47 R.K. Kremer, Hj. Mattausch, A. Simon, S. Steuernagel, and M. Smith
Metal-Metal Bonding in Y_2Cl_3 - A NMR and Magnetic Susceptibility Study
Journal of Solid State Chemistry 96 (1992) 237

- 48 R.K. Kremer, E.Sigmund, V. Hizhnyakov, F.Hentsch, A. Simon, K.A. Müller, and M. Mehring
Percolative Phase Separation in $La_2CuO_{4+\delta}$ and $La_{2-x}Sr_xCuO_4$
Zeitschrift für Physik B - Condensed Matter 86 (1992) 319
- 49 R. Deutschmann, H.v. Löhneysen, J. Wosnitza, R.K. Kremer, D. Visser,
Critical Behavior in the Specific Heat of an Antiferromagnet
with Chiral Symmetry
Europhysics Letters 17 (1992) 637
- 50 J. Kircher, E. Brücher, E. Schönherr, R.K. Kremer, and M. Cardona
Room Temperature Annealing of $YBa_2Cu_3O_{7-\delta}$
Observed by Optical Measurements
Physical Review B, Rapid Comm. 46 (1992) 588
- 51 N.P. Raju, E. Gmelin, R.K. Kremer
Magnetic and Specific Heat Studies of Spin-Glass-Like Ordering in the
Pyrochlore Compounds $R_2Mo_2O_7$ ($R = Y, Sm$ and Gd)
Physical Review B 46 (1992) 5405
- 52 C. Michaelis, W. Bauhofer, H. Buchkremer-Hermanns,
R.K. Kremer und A. Simon
 $LnHal_2H_n$ - Neue Phasen in den ternären Systemen Ln/Hal/H
(Ln = Lanthanoid, Hal = Br,I)
III. Physikalische Eigenschaften
Zeitschrift für anorganische und allgemeine Chemie 618 (1992) 98
- 53 Hj. Mattausch, J.K. Cockcroft, R.K. Kremer, and A. Simon
Structure and Magnetic Ordering of Holmium Carbide Fluoride: Ho_2CF_2
4th European Conference on Solid State Chemistry,
Conference Proceedings, Dresden 1992
- 54 Li Rukang, R.K. Kremer, and J. Maier
A New Layered Cuprate Superconductor: $GaSr_2(Y,Ce)_2Cu_2O_{9-\delta}$
Physica C200 (1992) 344

1993

- 55 T. Rabenau, A. Simon, R.K. Kremer, E. Sohmen
The Energy Gaps of Fullerene C_{60} and C_{70} Determined from the
Temperature Dependent Microwave Conductivity
Zeitschrift für Physik B - Condensed Matter 90 (1993) 69

- 56 N. Winzek, Hj. Mattausch, S.G. Eriksson, C. Ström, R.K. Kremer, A. Simon, and M. Mehring
 ^{205}Tl NMR in Oxygen Depleted Cuprate Superconductors $\text{Tl}_2\text{Ba}_2\text{CaCuO}_{8-\delta}$
 Physica C205 (1993) 45
- 57 R.K. Kremer
 Phase Separation in High Temperature Superconductors,
 Discussion Summary
 International School of Solid State Physics,
 Proceedings of the 3rd Workshop:
 Phase Separation in Cuprate Superconductors, ed. by K.A. Müller and G. Benedek,
 World Scientific Publishers, Singapore 1993
- 58 Hj. Mattausch, W. Bauhofer, R.K. Kremer und A. Simon
 Struktur und Eigenschaften von $\text{Gd}_3\text{I}_3\text{C}$
 Zeitschrift für anorganische und allgemeine Chemie, 619 (1993) 741
- 59 R.K. Kremer, T. Rabenau, W.K. Maser, M. Kaiser, A. Simon, M. Haluschka, and H. Kuzmany
 High Temperature Conductivity Study on Crystalline C_{60}
 Journal of Applied Physics A56 (1993) 211
- 60 R.K. Kremer, A. Simon, V. Hizhnyakov, E. Sigmund, and K.A. Müller
 Electronic Phase Separation in La-cuprates:
 On the Role of Hole And Oxygen Diffusion
 Zeitschrift für Physik B - Condensed Matter 91 (1993) 169
- 61 U. Stuhr, H. Wipf, R.K. Kremer, Hj. Mattausch, A. Simon, and J.C. Cook
 A Neutron Spectroscopy Study of the Two-Dimensional Hydrogen
 Diffusion in the Hydride Halide $\text{YBrH}_{0.78}$
 Journal of Physics: Condensed Matter 6 (1994) 147
- 62 J. Neuhausen, E. Potthoff, W. Tremel, J. Ensling, P. Gütlich, and R.K. Kremer
 $\text{TaFe}_{1.14}\text{Te}_3$, A New Low Dimensional Ternary Tantalum Telluride
 Zeitschrift für Naturforschung 48b (1993) 797
- 63 C. Ström, S.-G. Eriksson, L.-G. Johansson, A. Simon, Hj. Mattausch, and R.K. Kremer
 The Effect of Thallium and Oxygen Stoichiometry on Structure and T_c
 in Tl-2201 and Tl-2212.
 Journal of Solid State Chemistry 109 (1994) 321

- 64 K.U. Neumann, J. Crangle, R.K. Kremer, N.K. Zayer, K.R.A. Ziebeck
Magnetic Order in Pd_2TiIn : A New Itinerant Antiferromagnet ?
Journal of Magnetism and Magnetic Materials 127 (1993) 47
- 65 K. Sinzger, S. Hünig, M. Jopp, D. Bauer, W. Bietsch, J.U. von Schütz,
H.C. Wolf, R.K. Kremer, T. Metzenhin, R. Bau, S.I. Khan,
A. Lindbaum, C.L. Lengauer, and E. Tillmanns
Organic Metal $(Me_2 - DCNQI)_2Cu$: Dramatic Changes in Solid State Properties
and Crystal Structure by Secondary Deuterium Effects
Journal of the American Chemical Society 115 (1993) 7696
- 66 E. Kemnitz, S. Scheurell, S.W. Naumov, P.E. Kasin, V.I. Pershin,
R.K. Kremer
New Aspects on Fluorination of $Bi(Pb) - Sr - Ca - Cu - O$
- Reasons for the Improved Superconducting Properties
European Journal of Solid State and Inorganic Chemistry t.30 (1993) 701
- 67 Li Rukang, R.K. Kremer, and J. Maier
The Synthesis and Characterization of a Family of Single
Layer Cuprates: $LnBaCuO_2BO_3$ $Ln = La, Pr, Nd, Sm, Eu$ and Gd)
Physica C200 (1993) 344
- 68 Li Rukang, R.K. Kremer, and J. Maier
 $LaBaCuO_2BO_3$: A New Single Layer Cuprate Containing BO_3^{3-}
Anion Groups as Connecting Elements
Journal of Solid State Chemistry 105 (1993) 609
- 69 D. Visser, R.K. Kremer, S.G. Carling, P. Day, and M. Gabas
Two-Dimensional Magnetism in the Organic-Inorganic Composite
 $Phenyl - MnPO_{4x}H_2O$
Journal of Applied Physics 73 (1993) 5398
- 70 D. Bauer, J.U. von Schütz, H.C. Wolf, S. Hünig, K. Sinzger,
and R.K. Kremer
Alloyed Deuterated Copper-DCNQI Salts: Phase Transitions
and Reentry of Conductivity, Giant Hysteresis Effects, and Coexistence of Metallic
and Semiconducting Modes
Advanced Materials 5 (1993) 829
- 71 N. Winzek, J. Groß, P. Gergen, Hj. Mattausch, R. Kremer,
A. Simon, and M. Mehring
 ^{205}Tl NMR in the High- T_c Superconductor $Tl_2Ba_2CaCu_2O_{8-\delta}$
in: Electronic Properties of High- T_c Superconductors Springer Series in Solid-State
Sciences, Vol. 113, Heidelberg 1993

72 S. G. Carling, P. Day, D. Visser, R.K. Kremer
Weak Ferromagnetic Behavior of the Manganese Alkylphosphonate
Hydrates $MnC_nH_{2n+1}PO_3 \cdot H_2O$, $n = 1 - 4$
Journal of Solid State Chemistry 106 (1993) 111

1994

73 E. Sigmund, V. Hizhnyakov, R.K. Kremer, and A. Simon
On the Existence of Percolative Phase Separation in High- T_c Cuprates
Zeitschrift für Physik B - Condensed Matter 94 (1994) 17

74 F. Bernhardt, R. Hoppe und R.K. Kremer
Das erste quaternäre Oxocobaltat(I): $CsK_2[CoO_2]$
Zeitschrift für anorganische und allgemeine Chemie 620 (1994) 187

75 E. Kemnitz, S. Scheurell, R.K. Kremer, P.E. Kazin,
S.W. Naumov, G.N. Maso, and V.V. Lennikov
Nonoxidative and Oxidative Chlorination of $(Bi, Pb)_2Sr_2Ca_2Cu_3O_y$
Superconducting Science and and Technology, 7 (1994) 473

76 R.K. Kremer, A. Simon, E. Sigmund, and V. Hizhnyakov
Susceptibility and Conductivity Experiments on $La_2CuO_{4+\delta}$
On the Role of Electronic and Chemical Phase Separation
Proceedings of the Second Workshop on Phase Separation
in Cuprate Superconductors, Springer Verlag 1994

77 R.K. Kremer, J.K. Cockcroft, H. Mattausch, A. Simon, and G.J. Kearley
Optical Vibrations of Hydrogen in Some Rare-Earth Monohalide Hydrides
Journal of Physics: Condensed Matter, 6 (1994) 4053

78 N.S. Hosmane, Ying Wang, Hongming Zhang, J.A. Maguire, E. Waldhör, W. Kaim,
H. Binder, and R.K. Kremer
Novel Bent-Sandwich Titanium(III) and Titanium(IV) Organometallics
Organometallics 13 (1994) 4156

79 S. Bradtmöller, R.K. Kremer und P. Böttcher
Darstellung und Kristallstruktur von $SnTl_4Se_3$
mit einer Anmerkung zu $TlSe$
Zeitschrift für anorganische und allgemeine Chemie 620 (1994) 1073

80 J. Wosnitza, R. Deutschmann, H.v. Löhneysen and R.K. Kremer
Specific Heat and Critical Behaviour of VBr_2 ,
a Heisenberg Antiferromagnet with Chiral Symmetry
Journal Physics: Condensed Matter 6 (1994) 8045

- 81 R.K. Kremer, B. Kanellakopoulos, P. Bele, H. Brunner,
and F.A. Neugebauer
Weak Ferromagnetism in 1, 3, 5 - *Triphenyl - 6 - oxoverdazyl* and
Magnetically modulated Microwave Absorption at Low Fields
Physical Chemistry Letters 230 (1994) 255
- 82 Hj. Mattausch, Th. Gulden, R.K. Kremer, J. Horakh und A. Simon
Ho₄C₇, Y₄C₇: Carbide mit C_3^{4-} und C^{4-} -Ionen
Zeitschrift für Naturforschung 49b (1994) 1439
- 83 Hj. Mattausch, H. Borrmann, R. Eger, R.K. Kremer und A. Simon
Gd₄I₆CN: Ein Carbidnitrid mit Ketten aus $Gd_6(C_2)$ - Oktaedern
und Gd_6N_2 -Tetraederdoppeln
Zeitschrift für anorganische und allgemeine Chemie 620 (1994) 1889.

1995

- 84 R. Reisser, R.K. Kremer, and A. Simon
3d - XY Critical Behavior of the Layered Metal Rich Halides
Gd₂IFe₂, GdICo₂ and Gd₂BrFe₂
Physica B 204 (1995) 265
- 85 R.K. Kremer, A. Simon, E. Sigmund, and V. Hizhnykov
Susceptibility and Conductivity Experiments on $La_2CuO_{4+\delta}$
On the Role of Electronic and Chemical Phase Separation
Journal of Magnetism and Magnetic Materials 140 - 144 (1995) 1285
- 86 R. Reisser, R.K. Kremer, and A. Simon
The Magnetic Phase Transition in the Metal-Rich Halides
Gd₂IFe₂, Gd₂ICo₂ and Gd₂BrFe₂
Journal of Magnetism and Magnetic Materials 140 - 144 (1995) 1571
- 87 R.K. Kremer, U. Beck, P. Fischer and A. Simon
Antiferromagnetic Ordering in the Frustrated One Dimensional
Chain System *Tb₂Cl₃*: A Powder Neutron Diffraction Study
Journal of Magnetism and Magnetic Materials 140 - 144 (1995) 1679
- 88 R.K. Kremer, J.K. Cockcroft, Hj. Mattausch, W. Schnelle and A. Simon
Antiferromagnetic Ordering in the Rare Earth Bromide Deuteride
Layered Compound: *TbBrD₂*
Journal of Magnetism and Magnetic Materials 140 - 144 (1995) 1188

- 89 T. Rabenau, S. Roth and R.K. Kremer
The Influence of Oxygen Impurities on the Electrical Properties
of the Fullerene C_{60}
Acta Physica Polonica A 4-5 (1995) 881
- 90 A.M. Niraimathi, G. Rangarajan, R.K. Kremer and E. Gmelin
Influence of the Ga Substitution on the Magnetic Ordering of *Nd*
Ions in $NdBa_2Cu_{3-x}Ga_xO_{7-y}$ at Low Temperatures
Ceramics International, 21 (1995) 367
- 91 Hj. Mattausch, H. Borrmann, R. Eger, R. K. Kremer und A. Simon
 $Y_7I_{12}C_2N$: Eine Verbindung aus Einheiten zweier
 $Y_6(C_2)$ - Oktaeder und eines Y_6N_2 - Tetraederdoppels
Zeitschrift für Naturforschung 50b (1995) 931
- 92 X.Liu, J. Wosnitza, H.v.Löhneysen and R.K. Kremer
Specific Heat of the Spin-Peierls Compound $CuGeO_3$
Zeitschrift für Physik B98 (1995) 163
- 93 Hj. Mattausch, R.K. Kremer and A. Simon
Polytypie und Phasenbreite der Yttriumcarbidbromide
 $1T - Y_2Br_2C$ und $3R - Y_2Br_2C$
Zeitschrift für anorganische und allgemeine Chemie 621 (1995) 1001.
- 94 V.G. Zubkov, A.P. Tyutyunnik, V.A. Pereliaev, J. Köhler, R.K. Kremer,
A. Simon, and G. Svensson
Synthesis, Structural, Magnetic and Electrical Characterization of the
Reduced Oxoniobates $BaNb_8O_{14}$, $EuNb_8O_{14}$, $Eu_2Nb_5O_9$ and Eu_xNbO_3
($x=0.7, 1.0$)
Journal of Alloys and Compounds 226 (1995) 24
- 95 R.K. Kremer, A. Simon, E. Sigmund and V. Hizhnyakov
Dynamics of the Phase Separation in $La_2CuO_{4+\delta}$ Probed
by Magnetic Susceptibility Experiments
Proceedings of the Estonian Academy of Sciences,
Physics/Mathematics 44 (1995) 274
- 96 R. Pöttgen, H. Borrmann, and R.K. Kremer
Ferromagnetic Ordering in $CeAuGe$
Journal of Magnetism and Magnetic Materials 152 (1996) 196

- 97 R. Reisser, R.K. Kremer, and A. Simon
Magnetic Phase Transitions in the Metal-Rich Rare-Earth Carbide Halides
 Gd_2XC ($X=Br, I$)
Physical Review B52 (1995) 3546
- 98 X.Liu, J. Wosnitza, H.v.Löhneysen and R.K. Kremer
Specific Heat Analysis of the Spin-Peierls Transition in $CuGeO_3$
Physical Review Letters (Comment) 75 (1995) 771
- 99 R. Pöttgen, H. Borrmann, C. Felser, O. Jepsen, R. Henn, R.K. Kremer,
and A. Simon
Crystal and Electronic Structure of $ScAuGe$, $CeAuGe$ and $LuAuGe$:
A Transition from Two- to Three-dimensional $[AuGe]$ Polyanions
Journal of Alloys and Compounds 235 (1996) 1170
- 100 R.K. Kremer
Anisotropic Decrease of the Spin-Peierls Transition
Temperature of $CuGeO_3$ with a Magnetic Field.
Solid State Communications 96 (1995) 427
- 101 A. Simon, A. Yoshiasa, M. Bäcker, R. Henn, C. Felser,
R.K. Kremer, Hj. Mattausch
Supraleitung in Seltenerdmetall-Carbidhalogeniden des Typs $SE_2X_2C_2$
Zeitschrift für anorganische und allgemeine Chemie 622 (1996) 123
- 102 Chr. Bauhofer, Hj. Mattausch, R.K. Kremer, A. Simon
Die Gadoliniumcarbidhalogenide $Gd_4C_2X_3$ ($X=Cl, Br$)
Zeitschrift für anorganische und allgemeine Chemie 621 (1995) 1501
- 103 N.S. Hosmane, Ying Wang, Hongming Zhang, A.R. Oki,
J.A. Maguire, E.Waldhör, W. Kaim, H. Binder, and R.K. Kremer
A Systematic Synthetic Approach to a Novel, Mixed 2, 3- C_2B_4 -
and 2, 4- C_2B_4 -Erbium(III) Carborane Bent-Sandwich Complex
Organometallics 14 (1995) 1101

1996

- 104 T. Zhou, A.R. Goni, S. Ves, R.K. Kremer, and K. Syassen
Phase Transitions of $CuGeO_3$ at High Pressures
Proceedings of the Joint XV AIRAPT and XXXIII EHPRG International
Conference, Warsaw, Poland, September 1995, ed. by Trzeciakowski,
World Scientific, Singapore 1996

- 105 N.S. Hosmane, Ying Wang, Hongming Zhang, J.A. Maguire
M. McInnis, Th.G. Gray, J.D. Collins, R.K. Kremer,
H. Binder, E. Waldhör, and W. Kaim
Chemistry of *C*-Trimethylsilyl-Substituted Heterocarboranes.
20. Synthetic and Structural Studies on Sandwich *Ln(III)*-Carborane
Clusters-Part II [*Ln(III)*=*Sm, Gd, Dy, Ho, Er*]
Organometallics 15 (1996) 1006
- 106 Hj. Mattausch, R.K. Kremer und A. Simon
Synthese, Kristallstruktur und magnetische Eigenschaften von $Ce_{15}N_7I_{24}$
Zeitschrift für anorganische und allgemeine Chemie 622 (1996) 649
- 107 R.K. Kremer
Activated Behaviour of the Phase Separation in $La_2CuO_{4+\delta}$
Journal of Superconductivity 9 (1996) 369
- 108 M. Bäcker, A. Simon, R.K. Kremer, Hj. Mattausch,
R. Dronskowski, J. Rouxel
Supraleitung in intercaliertem und substituiertem $Y_2Br_2C_2$
Angewandte Chemie 108 (1996) 837
- 109 M. Rhiel, K. Dehnicke, A. Simon und R.K. Kremer
Osmium-Nitridtrichlorid, $OsNCl_3$
Zeitschrift für anorganische und allgemeine Chemie 622 (1996) 1205
- 110 R.W. Henn, W. Schnelle, R.K. Kremer, and A. Simon
Superconductivity at 10K in the Layered Compounds $Y_2C_2I_2$ and $Y_2C_2Br_2$
Physical Review Letters 77 (1996) 374
- 111 B. Gibson, R. Pöttgen, R.K. Kremer, and A. Simon
Ternary Germanides $LnAgGe$ ($Ln=Y, Sm, Gd-Lu$)
with Ordered Fe_2P Type Structures
Journal of Alloys and Compounds, 239 (1996) 34
- 112 I. Loa, S. Gronemeyer, C. Thomsen, and R.K. Kremer
Spin Gap and Spin-Phonon Interaction in $CuGeO_3$
Solid State Communications 99 (1996) 231
- 113 A.R. Goñi, T. Zhou, U. Schwarz, R.K. Kremer, K. Syassen
Pressure-Temperature Phase Diagram of the Spin-Peierls Compound $CuGeO_3$
Physical Review Letters 77 (1996) 1079

- 114 R. Pöttgen, B.J. Gibson, and R.K. Kremer
Crystal Structure of Ytterbium Silver Germanide, $YbAgGe$
Zeitschrift für Kristallographie 212 (1996) 58
- 115 R. K. Kremer, R.W. Henn A. Faißt, J. Wosnitza, H. v. Löhneysen
Cu-Isotope Effect on the spin-Peierls Transition Temperature of $CuGeO_3$
Czechoslovak Journal of Physics 46 (1996) 1977
- 116 W. Schnelle, R. Pöttgen, R.K. Kremer, and K. Bartkowski
Thermal, Magnetic and Transport Properties of Paramagnetic $REAuGe$
Czechoslovak Journal of Physics 46 (1996) 2111
- 117 B.J. Gibson, R.K. Kremer, W. Schnelle, B. Ouladdiaf, and R. Pöttgen
Antiferromagnetic Ordering of $HoAuGe$
Czechoslovak Journal of Physics 46 (1996) 2113
- 118 R.W. Henn, Th. Gulden, W.Schnelle, R.K. Kremer, and A. Simon
Thermodynamic Properties of the Superconducting State in YC_2
Czechoslovak Journal of Physics 46 (1996) 641
- 119 R.W. Henn, W.Schnelle, R.K. Kremer, and A. Simon
Superconductivity at 10K in the Layered Compounds $Y_2C_2X_2$ ($X=Br, I$)
Czechoslovak Journal of Physics 46 (1996) 865
- 120 B.J. Gibson, W. Schnelle, R. Pöttgen, K. Bartkowski and R.K. Kremer
Susceptibility, Specific Heat, and Transport Properties of $CeAuGe$ and $GdAuGe$
Czechoslovak Journal of Physics 46 (1996) 2573
- 121 R. Pöttgen, R.K. Kremer, W. Schnelle, R. Müllmann, B.D. Mosel
Magnetic, electrical and ^{151}Eu Mössbauer Properties of $EuPtGe$
Journal of Materials Chemistry 6 (1994) 635
- 122 M.R. Gleiter, R.K. Kremer, C. Krieger, and F.A. Neugebauer
10-Ethylphenazin-5(10H) - yl H_2O : Crystal Structure, Susceptibility and
Intermolecular $\pi - \pi$ -Interactions (Pimerization)
Liebig's Annalen (1996) 1867
- 123 B. Kappesser, H. Wipf and R.K. Kremer
Excess Oxygen Diffusion in $La_2CuO_{4+\delta}$
Journal of Low Temperature Physics 105 (1996) 1481

1997

- 124 R. Müllmann, B.D. Mosel, H. Eckert, R. Pöttgen, R.K. Kremer
Magnetic and Electric Properties, and ^{151}Eu Mössbauer Spectroscopy of
EuAuGe and *EuAgGe*
Hyperfine Interactions 108 (1997) 389
- 125 W. Schnelle, R. Pöttgen, R.K. Kremer, E. Gmelin, and O. Jepsen
The Crystal Structure, Magnetic Susceptibility, Electrical Resistivity,
Specific Heat, and Electronic Band Structure of *RAuGe* ($R=\text{Sc}, \text{Y}, \text{La}, \text{Lu}$)
Journal Physics: Condensed Matter 9 (1997) 1435
- 126 R. Pöttgen, B. Gibson, and R.K. Kremer
Crystal Structure of Ytterbium Silver Germanide, *YbAgGe*
Zeitschrift für Kristallographie 212 (1997) 58
- 127 A. Faißt, J. Wosnitza, H. v. Löhneysen, R.K. Kremer, R.W. Henn
Cu-Isotope Effect on the spin-Peierls Transition of *CuGeO₃*
Zeitschrift für Physik B - Condensed Matter B102 (1997) 399
- 128 S.S. Dhingra, D-K. Seo G.R. Kowach, R.K. Kremer, J. Shreeve-Keyer,
R.C. Haushalter, and M-H. Whangbo
Synthesis and Characterization of the Quaternary Zintl Compound
(*Et₄N*)₄[*AuAg₂Sn₂Te₉*] Containing One-Dimensional Semiconducting Chains
Angewandte Chemie, International Edition English 36 (1997) 1087
- 129 Th. Gulden, R.W. Henn, O. Jepsen, R.K. Kremer, W. Schnelle, A. Simon,
and C. Felser
Electronic Properties of the Yttriumdicarbide Superconductors *YC₂*, *Y_{1-x}Th_xC₂*,
Y_{1-x}Ca_xC₂ ($0 < x < 0.3$)
Physical Review B 56 (1997) 9021
- 130 S. Bräuninger, U. Schwarz, M. Hanfland, T. Zhou, R.K. Kremer,
and K. Syassen
Crystal Structure of *CuGeO₃* under Pressure
Physical Review B 56 (1997) R11357
- 131 T.J. Smith, K.H. Andersen, U. Beck, H. Capellmann, R.K. Kremer,
K.U. Neumann, O. Schärpf, A. Simon, and K.R.A. Ziebeck
The Absence of Local Moments in the Superconductor *YBa₂Cu₃O_{6.95}*
Journal of Magnetism and Magnetic Materials 177-181 (1998) 543

- 132 N. S. Hosmane, Ying Wang, Hongming Zhang, K.J. Lu, J.A. Maguire, Th.G. Gray, K. Brooks, E. Waldhör, W. Kaim, and R.K. Kremer
Chemistry of *C-Trimethylsilyl-Substituted Heterocarboranes*.
21. Syntheses, Structures, EPR Spectra, and Reactivities of Bent-Sandwich and Half-Sandwich *Titanacarboranes*.
Full Analysis of Spin-Spin Coupling in Two Structurally Characterized *Titanium(III)-Carborane* Dimers
Organometallics 16 (1997) 1365
- 133 C.D.W. Jones, R.A. Gordon, F.J. DiSalvo, R. Pöttgen, and R.K. Kremer
Magnetic Behaviour of Two AlB_2 -Related Germanides:
 $CePd_{0.63}Ge_{1.37}$ and $CeAu_{0.75}Ge_{1.25}$
Journal of the Alloys and Compound 260 (1997) 50

1998

- 134 S.V. Maleyev, V.P. Plakhty, O.P. Smirnov, J. Wosnitza, D. Visser, R.K. Kremer, and J. Kulda
The First Observation of Dynamical Chirality by Polarized Neutron Scattering in the Triangular Lattice Antiferromagnet $CsMnBr_3$
Journal of Physics: Condensed Matter 10 (1998) 951
- 135 E. Herrling, E. Dormann, R.W. Henn, R.K. Kremer, and A. Simon
NMR Analysis of the Electronic Structure of Superconducting Yttrium Carbide Halides
Synthetic Metals 92 (1998) 13
- 136 R.K. Kremer
Magnetism and Superconductivity in Some Metal-Rich Rare Earth Halides
Proceedings of the 11th International Summer School of Condensed Matter Physics
Organized by the Institute of Physics, Bialystok Branch of Warsaw University
Edited by K. Perzynska and L. Dobrzynski 1998
- 137 W. Schnelle, R.W. Henn, Th. Gulden, R.K. Kremer, and A. Simon
Specific Heat, Magnetization and C-Isotope Effect of $Y_2C_2(I, Br)_2$ Superconductors
Journal of Applied Physics 83 (1998) 7321
- 138 H.G von Schnering, Yu. Grin, M. Kaupp, M. Somer, R.K. Kremer, O. Jepsen, T. Chatterji, and M. Weiden
Redetermination of the Crystal Structure of Sodium Vanadate, $\alpha' - NaV_2O_5$
Zeitschrift für Kristallographie - New Crystal Structures 213 (1998) 246

- 139 R.W. Henn, T. Strach, R.K. Kremer, and A. Simon
Neutron Diffraction and Micro-Raman Scattering Studies on
Rare-Earth Carbide Halides
Physical Review B58 (1998) 14364

1999

- 140 W. Schnelle, Yu. Grin, and R.K. Kremer
Specific Heat of α' - NaV_2O_5 in Magnetic Fields up to 16T
Physical Review B59 (1999) 73
- 141 R. Pöttgen, R.-D. Hoffmann, R.K. Kremer, and W. Schnelle
Structure and Properties of $Nd_5Ni_6In_{11}$
Journal of Solid State Chemistry 142 (1999) 180
- 142 C. Felser, K. Ahn, R.K. Kremer, R. Seshadri, and A. Simon
Giant Magnetoresistance in GdI_2 : Prediction and Realization
Journal of Solid State Chemistry 147 (1999) 19
- 143 K. Ahn, B. Gibson, R.K. Kremer, Hj. Mattausch, A. Stolovits, and A. Simon
The Layered Lanthanum Carbide Halide Superconductors
 $La_2C_2(X, X')_2$ ($X, X' = Cl, Br, I$): Powder Neutron
Diffraction Characterization and Electronic Properties
Journal of Physical Chemistry B 103 (1999) 5446
- 144 J.W. Taylor, T.J. Smith, H. Capellmann, R.K. Kremer, A. Simon,
O. Schärpf, K-U. Neumann, and K.R.A. Ziebeck
Spin-Spin Correlations in the Insulating and Metallic Phases
of the Mott System V_2O_3
European Physical Journal B 12 (1999) 199
- 145 I. Loa, K. Syassen, R.K. Kremer, U. Schwarz, and M. Hanfland
Structural Properties of NaV_2O_5 under High Pressure
Physical Review B 60 (1999) R6945
- 146 C. Bernhard, J.L. Tallon, Ch. Niedermayer, Th. Blasius, A. Golnik,
E. Brücher, R.K. Kremer, D. R. Noakes, C.E. Stronach, E.J. Ansaldo
Coexistence of Ferromagnetism and Superconductivity in the Hybrid
Ruthenate-Cuprate Compound $RuSr_2GdCu_2O_8$ Studied by Muon Spin
Rotation and dc Magnetization
Physical Review B 59 (1999) 14099

- 147 H. Binder, R. Kellner, K. Vaas, M. Hein, F. Baumann, M. Wanner, R. Winter, W. Kaim, W. Hönle, Y. Grin, U. Wedig, M. Schultheiss, R.K. Kremer, H.G. von Schnering, O. Groeger, and G. Engelhardt
The *closo*-Cluster Triad: B_9X_9 , $[B_9X_9]^-$, and $[B_9X_9]^{2-}$
with Tricapped Trigonal Prisms $X=Cl, Br, I$.
Syntheses, Crystal and Electronic Structures
Zeitschrift für anorganische und allgemeine Chemie 625 (1999) 1059
- 148 R.K. Kremer, K. Ahn, R.W. Henn, Hj. Mattausch, W. Schnelle, A. Stolovits, and A. Simon
The Rare-earth Metal Carbide Halide Superconductors $RE_2C_2X_2$
 $RE=Y, La; X=Cl, Br, I$
Physica C 317-318 (1999) 456
- 149 I. Loa, S. Gronemeyer, C. Thomsen, and R.K. Kremer
Low energy Magnetic Excitations in the Dimerized and Incommensurate Phase of $CuGeO_3$
Solid State Communications 111 (1999) 181.
- 150 I. Loa, K. Syassen, and R.K. Kremer
Vibrational Properties of NaV_2O_5 under High Pressure Studied by Raman Spectroscopy
Solid State Communications 112 (1999) 681
- 151 I. Loa, U. Schwarz, M. Hanfland, R.K. Kremer, and K. Syassen
Crystal Structure and Optical Spectroscopy of NaV_2O_5 under Pressure
Physica Status Solidi B 215 (1999) 709
- 152 R.K. Kremer, I. Loa, F. S. Razavi, and K. Syassen
Effect of Pressure on the Magnetic Phase Transition in NaV_2O_5
Solid State Communications 113 (1999) 217
- 153 R.W. Henn, T. Strach, R.K. Kremer, and A. Simon
Raman Scattering Studies on the Carbon Atom Vibrations in Superconducting Rare-Earth Carbide Halides
 $Re_2C_2(X, X')_2$ ($RE=Y, Gd; X, X'=Br, I$)
Physica Status Solidi B 215 (1999) 513
- 154 T.J. Smith, K.H. Andersen, U. Beck, H. Capellmann, R.K. Kremer, K.U. Neumann, O. Schärpf, A. Simon, and K.R.A. Ziebeck
A Polarized Neutron Scattering Study of the Normal Phase in $YBa_2Cu_3O_{6.95}$
Journal of Superconductivity 12 (1999) 95

- 155 A. Stolovits, A. Sherman, and R.K. Kremer
Kinetic Parameters of thin α -Tungsten Films
Annalen der Physik (Leipzig) Special Issue 8 (1999) 253
- 156 Hj. Mattausch, O. Oeckler, G. Vajenine, R.K. Kremer, and A. Simon
 $Pr_8Cl_7B_7$, Preparation, Structure, Bonding, Properties
European Journal of Inorganic and Solid State Sciences t.1 (1999) 509
- 157 R.K. Li, R. K. Kremer, and J. Maier
The Structure and Weak Ferromagnetism of the Double Layered
Cuprocobaltate: $Y_2SrCu_{0.6}Co_{1.4}O_{6.5}$
Journal of Solid State Chemistry 146 (1999) 488

2000

- 158 C. Presura, D. van der Marel, A. Damascelli, and R.K Kremer
Low Temperature Ellipsometry of α' - NaV_2O_5
Physical Review B 61 (2000) 15762
- 159 Brendan J. Gibson, Rainer Pöttgen", Reinhard K. Kremer
Magnetic structure determination of $CeAuGe$ and $CeAgGe$
Physica B 276-278 (2000) 734
- 160 R.W. Henn, R.K. Kremer, and A. Simon
Magnetic Susceptibility Investigations on the Layered
 $Y_2C_2Br_2:RE$ (RE= Gd, Dy, Er) Superconductors
Journal of Superconductivity 13 (2000) 471
- 161 Y. Fagot-Revurat, M. Mehring and R.K. Kremer
Charge Order Driven Spin-Peierls Transition in α' - $Na_xV_2O_5$
Physical Review Letters 84 (2000) 4176
- 162 B.D. Gaulin, M.D. Lumsden and R. K. Kremer,
M.A. Lumsden, and H. Dabkowska
Two Dimensional Ordering and Fluctuations in α' - NaV_2O_5
Physical Review Letters 84 (2000) 3446
- 163 Hj. Mattausch, O. Oeckler, R.K. Kremer, and A. Simon
Struktur, Verzwilligung und Eigenschaften von $Ce_4Br_3C_4$
Zeitschrift für anorganische und allgemeine Chemie 626 (2000) 518

- 164 Y. Fagot-Revurat, X. Bourdon, M. Mehring, and R. K. Kremer
Na-23 Nuclear Magnetic Resonance Investigations of the Lattice Distortions in α' - $Na_xV_2O_5$
Applied Magnetic Resonance 19 (2000) 363
- 165 J. Wingermhle, M. Meyer, O.F. Schirmer, R Pankrath, and R.K. Kremer
Electron Paramagnetic Resonance of Ce^{3+} in Strontium Barium Niobate
Journal of Physics: Condensed Matter 12 (2000) 4277
- 166 D.C. Johnston, R.K. Kremer, M. Troyer, X. Wang, A. Klümper, S.L. Bud'ko,
A.F. Panchula, and P. Canfield
Thermodynamics of Spin $S=1/2$ Antiferromagnetic Uniform and
Alternating-Exchange Heisenberg Chains
Physical Review B 61 (2000) 9558
- 167 C. Bernhard, J.L Tallon, E. Brücher, and R.K. Kremer
Evidence for the Transition from a Bulk Meissner-State to a Spontaneous Vortex
Phase in $RuSr_2GdCu_2O_8$ from DC Magnetisation Measurements
Physical Review B 61 (2000) R14960
- 168 R.W. Henn, C. Bernhard, R.K. Kremer, Th. Gulden, A. Simon,
Th. Blasius, and Ch. Niedermayer
Transverse-Field Muon Spin-Relaxation Investigations of the Magnetic Penetration
Depth in the Carbide Superconductors $Y_2C_2(Br, I)_2$ and YC_2
Physical Review B 62 (2000) 14469
- 169 W. Schnelle, A. Poddar, P. Murugaraj, E. Gmelin, R.K. Kremer, K. Sasaki,
and J. Maier
The Effect of Annealing Conditions on the Physical Properties of
 $Nd_{0.67}Sr_{0.33}MnO_{3-\delta}$
Journal of Physics Condensed Matter 12 (2000) 4403
- 170 K. Ahn, C. Felser, R. Seshadri, R.K. Kremer and A. Simon
Giant Magnetoresistance in GdI_2
Journal of Alloys and Compounds 303-304 (2000) 252
- 171 K. Ahn, R.K. Kremer, H.J. Mattausch, and A. Simon
Superconductivity in Layered Lanthanum Carbide Halides:
 $La_2C_2(X, X')_2$
Journal of Alloys and Compounds 303-304 (2000) 257
- 172 A. Stolovits, A. Sherman, K. Ahn and R.K. Kremer
Quantum Interference of Electrons in Ta_4Te_4Si Fibers
Physical Review B 62 (2000) 10565

173 R.W. Henn, K. Ahn, H.-A. Krug von Nidda, R.K. Kremer and A. Simon
Pressure Dependence of the Transition Temperature of the Layered Superconductors $Y_2C_2Br_{2-x}I_x$
Physica C, 341-348 (2000) 719

174 C. Presura, D. van der Marel, M. Dischner, C. Geibel, and R.K. Kremer
Optical Properties and Electronic Structure of $\alpha' - Na_{1-x}Ca_xV_2O_5$
Physical Review B 62 (2000) 16522

2001

175 E. Griesshaber, P. Haas, J. Thoms, A. Darjushkin, B.P. Gorshunov,
M. Dressel, D. Schweitzer, R.K. Kremer, A. Golnik, C. Bernhard,
M. Cardona, T. Klaus, W. Strunz
Optical Properties of the Organic Metal $(BEDT - TTF)_4[Ni(dto)_2]$
Synthetic Metals, 120 (2001) 731

176 I. Loa, A. Grzechnik, U. Schwarz, K. Syassen, M. Hanfland,
and R.K. Kremer
Vanadium Oxides V_2O_5 and NaV_2O_5 under High Pressures:
Structural, Vibrational, and Electronic Properties
Journal of Alloys and Compounds 67 (2001) 103

177 W. Bensch, B. Sander, C. Näther, R.K. Kremer, and C. Ritter
Synthesis, Crystal Structure, Magnetic Properties and Spin Glass Behaviour of the
New Ternary Compound Cr_4TiSe_8
Solid State Sciences 3 (2001) 559

178 I. Loa, S. Gronemeyer, C. Thomsen, and R.K. Kremer
Isotope Effects in $CuGeO_3$ Studied by Raman Spectroscopy
Solid State Communications, 117 (2001) 279

179 G. V. Vajenine, G. Auffermann, Yu. Prots, W. Schnelle, R.K. Kremer, A. Simon,
and R. Kniep
Preparation, Crystal Structure, and Properties of Barium Pernitride
Inorganic Chemistry 40 (2001) 4866

180 R. Müllmann, U. Ernet, B.D. Mosel, H. Eckert,
R.K. Kremer, R-D. Hoffmann, and R. Pöttgen
 $A^{119}Sn$ and ^{151}Eu Mössbauer Spectroscopic, Magnetic Susceptibility, and Electrical
Conductivity Investigation
of The Stannides $EuTSn$
Journal of Materials Chemistry 11 (2001) 1133

- 181 B. J. Gibson, R. Pöttgen, W. Schnelle, B. Ouladdiaf, and R. K. Kremer
Crystal and Magnetic Structure of Antiferromagnetic HoAuGe
Journal of Physics: Condensed Matter 13 (2001) 2593
- 182 I. Eremin, P. Thalmeier, P. Fulde, R. K. Kremer, K. Ahn, and A. Simon
Large Magnetoresistance and Critical Spin Fluctuations in GdI_2
Physical Review B 64 (2001) 64425
- 183 W. Schnelle and R. K. Kremer
Thermodynamic Properties and Magnetism of $Ce_3Cu_3Sb_4$
Journal of Physics: Condensed Matter 13 (2001) 6387
- 184 B. J. Gibson, R. K. Kremer, O. Jepsen, J. D. Garrett, R-D. Hoffmann, and R. Pöttgen
Structure and Chemical Bonding in $UAuGe$
Journal of Physics: Condensed Matter 13 (2001) 3123
- 185 Hj. Mattausch, G. V. Vajenine, O. Oeckler, R. K. Kremer, and A. Simon
 $Tb_{16}Br_{23}B_4$: Endohedrale B-Atome in tetrameren Terbiumclustern
Zeitschrift für Anorganische und Allgemeine Chemie 627 (2001) 2542
- 186 W. Bensch, B. Sander, R.K. Kremer, W. Kockelmann
Unexpected Spin-Glass Behavior of the Mixed Sulfide-Selenide Chalcogenides $TlCr_5S_{8-y}Se_y$
($y=1-7$) Mediated by the Nonmagnetic Sublattice
Journal of Solid State Chemistry 158 (2001) 198
- 187 K. Ahn, B. J. Gibson, R. K. Kremer, Hj. Mattausch, L. Keller, and A. Simon
Magnetic Ordering within the Layered Neodymium Carbide Iodides, $Tb_2C_2I_2$
Journal of Alloys and Compounds 323-324 (2001) 400
- 188 A. Stolovits, K. Ahn, R.K. Kremer, and A. Sherman
Magnetoresistance Study of Ta_4Te_4Si
Synthetic Metals 121 (2001) 1267
- 189 T. J. Smith, H. Capellmann, R. K. Kremer, K-U. Neumann, and K. R. A. Ziebeck
A Quantitative Determination of Magnetic Fluctuations in $CuGeO_3$
The European Physics Journal B 21 (2001) 341
- 190 A. V. Prokofiev, R. K. Kremer, and W. Assmus
Crystal Growth and Magnetic Properties of $\alpha-CuV_2O_6$
Journal of Crystal Growth 231 (2001) 498

- 191 V. P. Plakhty, S. V. Maleyev, J. Kulda, D. Visser, J. Wosnitza, E. V. Moskin, Th. Brückel, and R. K. Kremer
Spin Chirality and Polarized Neutrons
Physica B297 (2001) 60
- 192 R. K. Kremer, B. J. Gibson, and K. Ahn
Heat Capacity of MgB_2 : Evidence for Moderately Strong Coupling Behavior
submitted for publication (cond-mat010243 (2001))
- 193 K. Kunc, I. Loa, K. Syassen, R. K. Kremer, and K. Ahn
 MgB_2 under Pressure: Phonon Calculations, Raman Spectroscopy, and Optical Reflectance
Journal of Physics: Condensed Matter 13 (2001) 9945
- 194 H.U. Habermeier, G. Christiani, R.K. Kremer, O. Lebedev, and G. van Tendeloo
Cuprate/Manganite Superlattices - A Model System for a Bulk Ferromagnetic Superconductor
Physica C 364 (2001) 298
- 195 C. Aruta, J. Zegenhagen, C. Cowie, G. Balestrino, G. Pasquini, P.D. Medaglia, F. Ricci, D. Luebbert, T. Baumbach, E. Riedo, R. Kremer, and J. Albrecht
Structure of Superconducting $[BaCuO_x]_2/[CaCuO_2]_n$ Superlattices on $SrTiO_3(001)$
Investigated by X-ray scattering
physica status solidi (a) 183 (2001) 353

2002

- 196 Ch. Niedermayer, C. Bernhard, T. Holden, R. K. Kremer, and K. Ahn
Muon-Spin Relaxation Study of the Magnetic Penetration Depth in MgB_2
Physical Review B 65 (2002) 094512
- 197 S. van Smaalen, P. Daniels, L. Palatinus, and R. K. Kremer
Orthorhombic versus Monoclinic Symmetry of the Charge-Ordered State of NaV_2O_5
Physical Review B 65 (2002) 060101
- 198 A. A. Golubov, J. Kortus, O. V. Dolgov, O. Jepsen, Y. Kong, O. K. Andersen, B. J. Gibson, K. Ahn, and R. K. Kremer
Specific Heat of MgB_2 in One- and Two-Band Models from First-Principles Calculations
Journal of Physics: Condensed Matter 14 (2002) 1353

- 199 B. J. Gibson, A. Das, R. K. Kremer, R.-D. Hoffmann, and R. Pöttgen
Synthesis, Structure, and Magnetic Properties of $LaTMg$ and $CeTMg$ ($T = Pd, Pt, Au$)
Journal of Physics: Condensed Matter 14 (2002) 5173
- 200 L. X. Cao, R. K. Kremer, Y. L. Qin, J. Brötz, J. S. Liu, and J. Zegenhagen
Stress Change in $YBa_2Cu_3O_{7-\delta}$ Close to the Superconducting Transition
Physical Review B 66 (2002) 054511
- 201 F. Welsch, R. Kremer, and M. Fähnle
Theory of Crystal Field States for Heavy Rare-Earth Impurities in MgB_2
Journal of Physics: Condensed Matter 14 (2002) 10273
- 202 B. J. Gibson, K. Ahn, R. K. Kremer, and A. Simon
Antiferromagnetic ordering and magnetic structure of the layered cerium carbide halides, $Ce_2C_2X_2$ ($X = Br, I$)
Applied Physics A 74 (2002) S917
- 203 K. Ahn, B. J. Gibson, R. K. Kremer, and A. Simon
Magnetic ordering within the layered neodymium carbide iodides, $Nd_2C_2I_2$
Applied Physics A 74 (2002) S920
- 204 H. G. von Schnering, R. Türcck, W. Hönle, K. Peters, E.-M. Peters, R. Kremer, J.-H. Chang
 $CsMn_2P_2$, ein Mangan(II,III)-phosphid mit der $BaZn_2P_2$ -Struktur. Mit einen Beitrag zum $BaAl_4$ -Strukturtyp
Zeitschrift für anorganische und allgemeine Chemie 628 (2002) 2772

2003

- 205 K. Ahn, A. Grzechnik, R. K. Kremer, and A. Simon
Pressure Dependence of T_C of the Layered Superconductor $Y_2C_2I_2$: Lattice versus Electronic Effects
Journal of Solid State Chemistry 171 (2003) 367
- 206 Jingli Xie, Xiaoming Ren, Cheng He, You Song, Quingjin Meng, Reinhard K. Kremer, and Yuangen Yao
Complicated Magnetic Behavior in One-Dimensional Nickel(III) Chain Complex $[1 - (4' - cyanobenzyl)pyridinium][Ni(mnt)_2]$ ($mnt^{2-} = \text{Maleonitriledithiolate}$)
Chemical Physics Letters 369 (2003) 41

- 207 V.I.Torgashev, V.B.Shirokov, A.S.Prokhorov, B.Gorshunov, P. Haas, M.Dressel, B. J. Gibson, R. K. Kremer, A.V.Prokofiev, and W. Assmus
Polar Phonons in the Antiferromagnetic $S=1/2$ Spin-Chain System $CuSb_2O_6$
Physical Review B 67 (2003) 134433
- 208 A. Das and R. K. Kremer
The suppression of Superconductivity in Mn Substituted $MgCNi_3$
Physical Review B 68 (2003) 064503
- 209 A.V. Prokofiev, F. Ritter, W. Assmus, B.J. Gibson, and R.K. Kremer
Crystal Growth and Characterization of the Magnetic Properties of $CuSb_2O_6$
Journal of Crystal Growth 247 (2003) 457
- 210 R. Becker, M. Johnsson, R. K. Kremer, and P. Lemmens
Crystal Structure, Magnetic Properties and Conductivity of $CuSbTeO_3Cl_2$
Solid State Sciences 5 (2003) 1411
- 211 X. M. Ren, R. K. Kremer, and Q. J. Meng
Investigation of the Magneto-Structural Phase Transition in $[1 - benzyl - 4 - aminopyridinium][bis(maleonitriledithiolato)nickelate]$
Journal of Magnetism and Magnetic Materials, in press
- 212 Jun-Ling Song, Jiang-Gao Mao, Hui-Yi Zeng, Reinhard K. Kremer, and Zhen-Chao Dong
Synthesis, Crystal Structures and Properties of Two New Metal Complexes of *Syn-2 Pyridinealdoxime* with a 'Metallocrown' Unit and a 1D Double Chain Structure
Inorganic Chemistry Communications 6 (2003) 891
- 213 Jun-Ling Song, Jiang-Gao Mao, Hui-Yi Zeng, Reinhard K. Kremer, Zhen-Chao Dong
Synthesis, crystal structures and properties of two new metal complexes of *syn-2pyridinealdoxime* with a metallocrown unit and a 1D double chain structure
Inorganic Chemistry Communications 6 (2003) 891

2004

- 214 A. Prokofiev, W. Assmus, and R. K. Kremer
Flux and Chemical Vapour Transport Growth and Characterization of α - and β - $VO(PO_3)_2$ Single Crystals
Journal of Crystal Growth 271 (2004) 113
- 215 B.J. Gibson, R. K. Kremer, A.V. Prokofiev, W. Assmus, and B. Ouladdiaf
Elastic Neutron Diffraction Study of Long-Range Antiferromagnetic Order in the $S=1/2$ Quantum Chain System $CuSb_2O_6$
Journal of Magnetism and Magnetic Materials 272-276, (2004) 927-928

- 216 Jun-Ling Song, Jiang-Gao Mao, Yan-Qiong Suna, Hui-Yi Zeng, Reinhard K. Kremer, and Abraham Clearfield
Hydrothermal Syntheses, Characterizations and Crystal Structures of a New Lead(II) Carboxylate-Phosphonate with a Double Layer Structure and a New Nickel(II) Carboxylate-Phosphonate Containing a Hydrogen-Bonded 2D Layer with Intercalation of Ethylenediamines
Journal of Solid State Chemistry 177 (2004) 633
- 217 B. J. Gibson, R. K. Kremer, A.V. Prokofiev, W. Assmus, and G. J. McIntyre
Incommensurate Antiferromagnetic Order in the $S=1/2$ Quantum Chain Compound $LiCuVO_4$
Physica B 350 (2004) e253
- 218 K. Ahn, R.K. Kremer, and A. Simon
Effect of Geometrical Frustration on the Magnetic Properties of the Triangular-Layer System $Tb_2C_2I_2$: A Neutron Diffraction Investigation
Journal of Physics: Condensed Matter, 16 (2004) S875
- 219 J. Deisenhofer, H.-A. Krug von Nidda, A. Loidl, K. Ahn, R. K. Kremer, and A. Simon
Spin Fluctuations in the Quasi-Two Dimensional Heisenberg Ferromagnet GdI_2 Studied by Electron Spin Resonance
Physical Review B 69 (2004) 104407
- 220 Walter Schnelle and Reinhard K. Kremer
Calorimetric Study of the Pyrochlore Compounds $Gd_2Mo_2O_7$ and $Sm_2Mo_2O_7$
Journal of Physics: Condensed Matter 16 (2004) S685
- 221 T. Rõõm, D. Hyvonen, U. Nagel, Y.-J. Wang, R. K. Kremer
Low Energy Excitations and Dynamic Dzyaloshinskii-Moriya Interaction in α' - NaV_2O_5 Studied by Far Infrared Spectroscopy
Physical Review B 69 (2004) 144410
- 222 X.M. Ren, R.K. Kremer, Q.J. Meng
Investigation of the Magneto-Structural Phase Transition in [1 - benzyl - 4 - aminopyridinium] [bis(maleonitriledithiolato)nickelate]
Journal of Magnetism and Magnetic Materials 272-276 (2004) 924
- 223 M. Ryazanov, A. Simon, Hj. Mattausch, and R. K. Kremer
The Structural Change of Lanthanum Diiodide upon Hydrogenation
Journal of Alloys and Compounds 374 (2004) 142

- 224 Pascal D. C. Dietzel, Reinhard K. Kremer, Martin Jansen
The Singular Superoxide Ion in the Solid State - Synthesis, Crystal Structures and Properties of *Tetraorganylammonium Superoxide* Compounds
Journal of the American Chemical Society 126 (2004) 4689
- 225 Masahiro Shikano, Reinhard K. Kremer, Martin Ahrens, H.-J. Koo, M.-H. Whangbo, and Jacques Darriet
Synthesis and characterization of a magnetic semiconductor Na_2RuO_4 containing one-dimensional Chains of Ru^{6+}
Inorganic Chemistry (Communication) 43 (2004) 5
- 226 S. Bayrakci, C. Bernhard, D. P. Chen, B. Keimer, R. K. Kremer, P. Lemmens, C.T. Lin, C. Niedermayer, and J. Stropfer
Homogeneous Antiferromagnetism in $Na_{0.82}CoO_2$ Single Crystals
Physical Review B69 (2004) 100410R
- 227 X.M. Ren, H. Okudera, and R.K. Kremer
Triqua-1 κ O,2 κ O,3 κ O-hexakis- μ -chloroaceto-1:2 κ^4 O:O';2:3 κ^4 O:O';1:3 κ^4 O:O'- μ_3 -oxo-triiron(III)nitrate trihydrate
Acta Crystallographica E60 (2004) 14
- 228 Mehmet Somer, Cem Gül, Ralf Müllmann, Bernd D. Mosel, Reinhard K. Kremer, Rainer Pöttgen
Vibrational Spectra and Magnetic Properties of $Eu_3[BN_2]_2$ and $LiEu_4[BN_2]_3$
Zeitschrift für anorganische und allgemeine Chemie 630 (2004) 389
- 229 K. Lukoschus, S. Kraschinski, C. Näther, W. Bensch, and R. K. Kremer
Magnetic Properties and Low Temperature X-Ray Studies of the Weak Ferromagnetic Monoclinic and Trigonal Chromium Tellurides Cr_5Te_8
Journal of Solid State Chemistry 177 (2004) 951
- 230 Reinhard K. Kremer and Arndt Simon
Superconductivity and Magnetoresistance in Unusual Layered Rare Earth Halides and Rare Earth Carbides
Current Applied Physics 4 (2004) 563
- 231 F. Gulo, A. Simon, J. Köhler und R. K. Kremer
Lithium-Kupfer-Austausch in Li-intercaliertem Cu_3N - mit einer Anmerkung über Cu_4N
Angewandte Chemie 116 (2004) 2066 [Int. Ed. Engl. 43 (2004) 2032]

- 232 R. K. Kremer, K. Graf, M. Cardona, G.G. Devyatikh, A.V. Gusev, A.M. Gibin, A. V. Inyushkin, A. N. Taldenkov, and H.-J. Pohl
Thermal Conductivity of Isotopically Enriched ^{28}Si : Revisited
Solid State Communications 131 (2004) 499
- 233 Wuping Liao, Chunhua Hu, Reinhard K. Kremer, and Richard Dronskowski
Formation of Complex Three- and One-Dimensional Interpenetrating Networks within Carbodiimide Chemistry: NCN^{2-} -Coordinated Rare-Earth-Metal Tetrahedra and Condensed Alkali-Metal Iodide Octahedra in Two Novel Lithium Europium Carbodiimide Iodides, $\text{LiEu}_2(\text{NCN})\text{I}_3$ and $\text{LiEu}_4(\text{NCN})_3\text{I}_3$
Inorganic Chemistry 43 (2004) 5884
- 234 A.V. Prokofiev, W. Assmus, R.K. Kremer
Flux and Chemical Vapor Transport Growth and Characterization of α - and β - VOPO_3 Single Crystals
Journal of Crystal Growth 271 (2004) 113
- 235 X. M. Ren, H. Okudera, R. K. Kremer, Y. Song, C. He, Q. J. Meng, and P. H. Wu
Ionic Pair Complexes with Well-Separated Columnar Stack Structure Based on $[\text{Pt}(\text{mnt})_2]$ - Ions Showing Unusual Magnetic Transition: Syntheses, Crystal Structures, and Magnetic Properties
Inorganic Chemistry 43 (2004) 2569

2005

- 236 A. Simon, V. Babizhetskyy, O. Oeckler, Hj. Mattausch, J. Bauer, and R. K. Kremer
Kristall- und Realstrukturuntersuchungen zur wiederkehrenden Supraleitung in $\text{La}_5\text{B}_2\text{C}_6$
Zeitschrift für Anorganische und Allgemeine Chemie 631 (2005) 316
- 237 Jens Kortus, Oleg V. Dolgov, Reinhard K. Kremer, and Alexander A. Golubov
Band filling and Interband Scattering Effects in MgB_2 : C vs Al Doping
Physical Review Letters 94 (2005) 027002
- 238 A. Stolovits, A. Sherman, R. K. Kremer, Hj. Mattausch, H. Okudera, X.-M. Ren, and A. Simon
Quantum Interference of Electrons in $\text{Nb}_{5-\delta}\text{Te}_4$ Single Crystals
Physical Review B71 (2005) 144519
- 239 L. Capogna, M. Mayr, P. Horsch, M. Raichle, R. K. Kremer, M. Sofin, A. Maljuk, M. Jansen, and B. Keimer
Helicoidal magnetic order in the spin-chain compound NaCu_2O_2
Physical Review B71 (2005) 140402

- 240 R. K. Kremer, M. Cardona, and E. Schmitt, J. Blumm, S. K. Estreicher, M. Sanati, M. Bockowski, I. Grzegory, T. Suski, and A. Jezowski
Heat capacity of α -GaN: Isotope effects
Physical Review B72 (2005) 1
- 241 Oleg V. Dolgov, Reinhard K. Kremer, Jens Kortus, Alexander A. Golubov, and Sergei V. Shulga
Thermodynamics of two-band superconductors: The case of MgB_2
Physical Review B72 (2005) 024504
- 242 M. Cardona, R.K. Kremer, M. Sanati, S.K. Estreicher, and T.R. Anthony
Measurements of the Heat Capacity of Diamond with Different Isotopic Compositions
Solid State Communications 133 (2005) 465
- 243 D. A. Crandles, M. Reedyk, G. Wardlaw, F. S. Razavi, T. Hagino, S. Nagata, I. Shimono, and R. K. Kremer
Absence of the 90 K Structural Transition in CuV_2S_4 Crystals Grown by Chemical Vapour Transport Using $TeCl_4$
Journal of Physics: Condensed Matter 17 (2005) 4813
- 244 A. Gibin, G.G. Devyatikh, A.V. Gusev, R.K. Kremer, M. Cardona, and H.-J. Pohl
Heat capacity of isotopically enriched ^{28}Si , ^{29}Si and ^{30}Si in the Temperature Range $4\text{ K} < T < 100\text{ K}$
Solid State Communications 133 (2005) 569
- 245 Hamdi Ben Yahia, Etienne Gaudin, Jacques Darriet, Michael Banks, Reinhard K. Kremer, Antoine Villesuzanne and Myung-Hwan Whangbo
Synthesis, Crystal Structure, Magnetic Properties, and Electronic Structure of the New Ternary Vanadate $CuMnVO_4$
Inorganic Chemistry 44 (2005) 3087
- 246 Richard Becker, Mats Johnsson, Reinhard K. Kremer, and Peter Lemmens
Crystal Structure and Magnetic Properties of $Cu_3(TeO_3)_2Br_2$ -a Layered Compound with a New Cu(II) Coordination Polyhedron
Journal of Solid State Chemistry 178 (2005) 2024
- 247 Mikhail Ryazanov, Arndt Simon, Reinhard K. Kremer, Hansjürgen Mattausch
Influence of Hydrogen on the Magnetic and Electrical Properties of GdI_2H_x ($0 < x < 1$)
Journal of Solid State Chemistry 178 (2005) 2339

- 248 Kyungsoo Ahn, Reinhard K. Kremer, Arndt Simon, William G. Marshall, Peter Puschig, and Claudia Ambrosch-Draxl
Influence of Pressure on the Structure and Electronic Properties of the Layered Superconductor $Y_2C_2I_2$
Journal of Physics: Condensed Matter 17 (2005) S3121
- 249 Hui-Yi Zeng, Hiroki Okudera, Chong Zheng, Hansjürgen Mattausch, Reinhard K. Kremer, and Arndt Simon
 La_3Cl_3BC - Structure, Bonding and Electrical Conductivity
Zeitschrift für Naturforschung 60b (2005) 499
- 250 G.X. Liu, X.M. Ren, R.K. Kremer, and Q.J. Meng
Novel Molecular Staircase Self-Assembly from the Cations of 1-(4'-nitrobenzyl)pyridinium:
Synthesis, Crystal Structure, Magnetic Property and Spin Dimer Analyses
Journal of Molecular Structure 743 (2005) 125
- 251 X. Wang, I. Loa, K. Syassen, R. K. Kremer, A. Simon, M. Hanfland, and K. Ahn
Structural Properties of the Sesquicarbide Superconductor La_2C_3 at High Pressure
Physical Review B72 (2005) 064520
- 252 J. Kortus, O.V. Dolgov, R. K. Kremer, and A. A. Golubov
Reply to a Comment by P. Samuely, P. Szabo, P. C. Canfield, and S. L. Bud'ko
Physical Review Letters 95 (2005) 099702
- 253 Mikhail Ryazanov, Arndt Simon, Reinhard K. Kremer, and Hansjürgen Mattausch
Large Negative Magnetoresistance in the Hydride Halides GdI_2H_x : A system with competing magnetic interactions
Physical Review B72 (2005) 092408
- 254 Hans-Jörg Deiseroth, Krasimir Aleksandrov, and Reinhard K. Kremer
Structural and Magnetic Properties of Mn_2GeSe_4
Zeitschrift für anorganische und allgemeine Chemie 631 (2005) 448
- 255 M. Enderle, C. Mukherjee, B. Fåk, R. K. Kremer, J.-M. Broto, H. Rosner, S.-L. Drechsler, J. Richter, J. Malek, A. Prokofiev, W. Assmus, S. Pujol, J.-L. Raggazzoni, H. Rakoto, M. Rheinstädter, and H. M. Rønnow
Quantum Helimagnetism of the Frustrated Spin-1/2 Chain $LiCuVO_4$
Europhysics Letters 70 (2005) 237
- 256 Yuri V. Mironov, Spartak S. Yarovoi, Dmitry Y. Naumov, Svetlana G. Kozlova, Vladimir N. Ikorsky, Reinhard K. Kremer, Arndt Simon, and Vladimir E. Fedorov
 $V_4S_9Br_4$: A Novel High-Spin Vanadium Cluster Thiobromide with Square-Planar Metal Core
Journal of Physical Chemistry B 109 (2005) 23804

257 Sang-Hwan Kim and Dong-Kyun Seo, Reinhard K. Kremer, Jürgen Köhler, Antoine Villesuzanne, and Myung-Hwan Whangbo
Observation of Unusual Hysteretic Magnetic Properties of the Rare Earth Intermetallic Compound $PrMnSi_2$: Magnetic Susceptibility, Magnetization, Heat Capacity, and Electronic Band Structure Studies
Chemistry of Materials 17 (2005) 3711

258 Sang-Hwan Kim and Dong-Kyun Seo, Reinhard K. Kremer, Jürgen Köhler, Antoine Villesuzanne, and Myung-Hwan Whangbo
Large Negative Magnetoresistance of the Rare-earth Transition-Metal Intermetallic Compound $PrMnSi_2$
Chemistry of Materials 17 (2005) 6338

2006

259 Mikhail Ryazanov, Reinhard K. Kremer, Arndt Simon, and Hansjürgen Mattausch
Metal-nonmetal Transition and Colossal Negative Magnetoresistance in the Gadolinium Hydride Halides $GdIH_x$ ($0.67 \leq x \leq 1$)
Physical Review B 73 (2006) 035114

260 Jun Sung Kim, Reinhard K. Kremer, Ove Jepsen, Arndt Simon
Electronic and Superconducting Properties of the Binary Carbide La_2C_3
Current Applied Physics 6 (2006) 897

261 Rie Takagi, Mats Johansson, Vladimir Gnezdilov, Reinhard K. Kremer, Wolfram Brenig and Peter Lemmens
Investigation of the Novel Oxohalogenide $Cu_4Te_5O_{12}C_{14}$ with $Cu(II)$ tetrahedra
Physical Review B 74 (2006) 014413

262 J. Serrano, R. K. Kremer, M. Cardona, G. Siegle, A. H. Romero, and R. Lauck
Heat Capacity of ZnO: Isotope Effects
Physical Review B 73 (2006) 094303

263 H. J. Deiseroth, K. Aleksandrov, C. Reiner, L. Kienle, R. K. Kremer
 Fe_3GeTe_2 and Ni_3GeTe_2 : Two New Layered Transition Metal Compounds: Crystal Structures, HRTEM Investigations, and Magnetic Properties
European Journal of Inorganic Chemistry (2006) 1561

264 J. Schmiedeskamp, W. Heil, E.W. Otten, R.K. Kremer, A. Simon, and J. Zimmer
Paramagnetic relaxation of spin polarized 3He at bare glass surfaces
Part I
The European Physical Journal D 38 (2006) 427

- 265 A. Deninger, W. Heil, E.W. Otten, M. Wolf, R.K. Kremer, and A. Simon
Paramagnetic relaxation of spin polarized ^3He at coated glass walls
Part II
The European Physical Journal D 38 (2006) 439
- 266 Myung-Hwan Whangbo, Dadi Dai, Kwang-Soon Lee, and Reinhard K. Kremer
On the Conflicting Pictures of Magnetism for the Frustrated Triangular Lattice Antiferromagnet CuFeO_2
Chemistry of Materials 18 (2006) 1268
- 267 Hansjürgen Mattausch, Arndt Simon, Lorenz Kienle, Constantin Hoch, Chong Zheng und Reinhard K. Kremer
EYPHKAMEN: Ln-Oktaedertripel in $\text{Ln}_{14}(\text{C}_2)_3\text{I}_{20}$ mit $\text{Ln} = \text{La}, \text{Ce}$
Zeitschrift für Anorganische und Allgemeine Chemie 632 (2006) 1661
- 268 Arndt Simon, Hansjürgen Mattausch, Mikhail Ryazanov, and Reinhard K. Kremer
Lanthanides as *d* Metals
Zeitschrift für anorganische und allgemeine Chemie 632 (2006) 919
- 269 T. Sörgel, J. Nuss, U. Wedig, R.K. Kremer, M. Jansen
A new Low Temperature Modification of TaTe_2 - Comparison to the room temperature and the hypothetical $1T - \text{TaTe}_2$ modification
Materials Research Bulletin 41 (2006) 987
- 270 M.-H. Whangbo, D. Dai, and R. K. Kremer
On the origin of the metallic and anisotropic magnetic properties of Na_xCoO_2 ($x \approx 0.75$)
Inorganic Chemistry 45 (2006) 5989
- 271 J. S. Kim, L. Boeri, R. K. Kremer, and F. S. Razavi
Specific Heat of the *Ca*-Intercalated Graphite Superconductor CaC_6
Physical Review Letters 96 (2006) 217002
- 272 Falk Lissner, Monika Meyer, Reinhard K. Kremer, und Thomas Schleid
 M_3NS_3 ($M = \text{La} - \text{Nd}, \text{Sm}, \text{Gd} - \text{Dy}$): Struktur und Magnetismus von 3 : 1 : 3-Typ-Nitridsulfiden dreiwertiger Lanthanide
Zeitschrift für anorganische und allgemeine Chemie, 632 (2006) 1995.
- 273 Z.L. Huang, W. Bensch, S. Mankovsky, S. Polesya, H. Ebert, R. K. Kremer
Anion substitution effects on structure and magnetism of the Chromium Chalcogenide Cr_5Te_8 - Part II: Cluster-Glass and Spin-Glass Behavior in Trigonal $\text{Cr}_{1+x}\text{Q}_2$ with basic cells and trigonal $\text{Cr}_{5+x}\text{Q}_8$ with superstructures ($Q = \text{Te}, \text{Se}; \text{Te} : \text{Se} = 6 : 2$)
Journal of Solid State Chemistry 179 (2006) 2067

- 274 A. Das, R. K. Kremer, R. Pöttgen, and B. Ouladdiaf
Magnetic ordering in $CeCoGe_3$
Physica-B Condensed Matter, 378-80 (2006) 837.
- 275 S. K. Mandal, T. K. Nath, A. Das, R. K. Kremer
Magnetic Glassy Phase in $Zn_{0.85}Fe_{0.15}O$ Diluted Magnetic Semiconducting Nanoparticles
Applied Physics Letters 89 (2006) 162502
- 276 X. M. Ren, S. Nishihara, T. Akutagawa, S. Noro, T. Nakamura, W. Fujita, K. Awaga, Z. P. Ni, J. L. Xie, Q. J. Meng, and R. K. Kremer
Quasi-one-dimensional Molecular Magnets Based on Derivatives of (Fluorobenzyl)Pyridinium with the $[M(mnt)_2]$ Monoanion ($M = Ni, Pd$ or Pt ; $mnt^{2-} =$ Maleonitriledithiolate): Syntheses, Crystal Structures and Magnetic Properties
Dalton Transactions (2006) 1988
- 277 J. S. Kim, L. Boeri, R. K. Kremer, and F. S. Razavi
Effect of pressure on superconducting Ca-intercalated graphite CaC_6
Physical Review B 74 (2006) 214513
- 278 A. Simon, Hj. Mattausch, M. Ryazanov und R. K. Kremer
Lanthanide als d-Elemente
in: 20 Jahre Wolhelm-Klemm-Stiftung, Kuratorium der Wilhelm-Klemm-Stiftung
Shaker-Verlag, Aachen, p. 149 (2006)
- 279 V.P. Plakhty, J. Wosnitza, J. Kulda, Th. Brückel, W. Schweika, D. Visser, S.V. Gavrilov, E.V. Moskvina, R.K. Kremer and M.G. Banks
Polarized Neutron Scattering Studies of Chiral Criticality, and New Universality Classes of Phase Transitions
Physica B 385-386 (2006) 288
- 280 Rie Takagi, Mats Johansson, Reinhard K. Kremer, Peter Lemmens
Crystal structure and magnetic properties of the coupled spin dimer compound $SrCu_2(TeO_3)_2Cl_2$
Journal of Solid State Chemistry 179 (2006) 3763.
- 281 P. D. C. Dietzel, R. K. Kremer, and M. Jansen
Superoxide, Compounds of the Large Pseudo-Alkali-Metal Ions Tetramethylammonium, -Phosphonium, and -Arsonium
Chemistry - An Asian Journal 2 (2007) 66.

2007

- 282 R. K. Kremer, M. Ryazanov, and A. Simon
Large Magnetoresistance Effects in Novel Layered Rare Earth Halides
in *Electron Correlation in New Materials and Nanosystems, Proceedings of the NATO Advanced Research Workshop on Electron Correlation in New Materials and Nanosystems, held in Yalta, Ukraine, 19-23 September 2005 Series: NATO Science Series II: Mathematics, Physics and Chemistry, Vol. 241* ed. by K. Scharnberg, S. Kruchinin (Eds.) Springer Verlag 2007
- 283 R. K. Kremer, J. S. Kim, and A. Simon
Carbon Based Superconductors
in *High Tc Superconductors and Related Transition Metal Oxides, Special Contributions in Honor of K. Alex Müller on the Occasion of his 80th Birthday*, A. Bussmann-Holder, H. Keller, (Eds.), Springer Verlag 2007
- 284 Rainer Pöttgen, Reinhard K. Kremer, Sudhindra Rayaprol, Birgit Heying, and Rolf-Dieter Hoffmann
Magnetic and Electrical Properties of the Intermetallic Compounds RE_2Au_2Sn ($RE=Y, Dy-Tm, Lu$) and RE_2Au_2In ($RE=Ho, Lu$)
Zeitschrift für Naturforschung 62b (2007) 169
- 285 M. G. Banks, F. Heidrich-Meisner, A. Honecker, H. Rakoto, J.-M. Broto, and R. K. Kremer
High Field Magnetization of the Frustrated One-Dimensional Quantum Antiferromagnet $LiCuVO_4$
Journal of Physics: Condensed Matter 19 (2007) 145227
- 286 Mar'yana Lukachuk, Reinhard K. Kremer, Hansjürgen Mattausch, and Arndt Simon
New Layered Germanide Halides RE_2GeX_2 ($RE = Y, Gd; X = Br, I$)
Inorganic Chemistry 46 (2007) 3231.
- 287 Mar'yana Lukachuk, Chong Zhen, Hansjürgen Mattausch, Michael Banks, Reinhard K. Kremer and Arndt Simon
 $RE_{2+x}I_2M_{2+y}$ ($RE = Ce, Gd, Y; M = Al, Ga$): Reduced Rare Earth Halides with a Hexagonal Metal Atom Network
Zeitschrift für Naturforschung 62b (2007) 633.
- 288 J. S. Kim, W.-H. Xie, R. K. Kremer, V. Babizhetskyy, O. Jepsen, A. Simon, K. S. Ahn, B. Raquet, H. Rakoto, J.-M. Broto, B. Ouladdiaf
Strong electron-phonon coupling in the rare-earth carbide superconductor La_2C_3
Physical Review B 76 (2007) 014156.
- 289 J. S. Kim, L. Boeri, J. R. O'Brien, F. S. Razavi, and R. K. Kremer
Superconductivity in Heavy Alkaline-Earths Intercalated Graphites
Physical Review Letters 90 (2007) 027001.

- 290 L. E. Díaz-Luis, A. H. Romero, M. Cardona, R. K. Kremer, and X. Gonze
Effect of the Spin-Orbit Interaction on the Thermodynamic Properties of Crystals:
The specific Heat of Bismuth
Physical Review Letters 99 (2007) 165504.
- 291 M. Cardona, R. K. Kremer, R. Lauck, G. Siegle, J. Serrano, and A. H. Romero
Heat Capacity of PbS: Isotope Effects
Physical Review B 76 (2007) 075211.
- 292 S. Taran S , B.K. Chaudhuri , A. Das, A.K. Nigam, R. K. Kremer, S. Chatterjee
CE-type Antiferromagnetic Ordering and Martensitic Transition in Pr-substituted
 $La_{0.65}Ca_{0.35}MnO_3$ from Magnetic and Neutron Diffraction Studies
Journal of Condensed Matter 19 (2007) 216217.
- 293 A. R. Bishop, A. Bussmann-Holder O. V. Dolgov, A. Furrer, H. Kamimura, H.
Keller, R. Khasanov, R. K. Kremer, D. Manske, K. A. Müller and A. Simon
Real and Marginal Isotope Effects in Cuprate Superconductors
Journal Journal of Superconductivity and Novel Magnetism 20 (2007) 393.
- 294 C. Bernhard, Ch. Niedermayer, A. Drew, G. Khaliullin, S. Bayrakci, J. Stremper,
R. K. Kremer, D. P. Chen, C. T. Lin and B. Keimer
Muon-spin rotation study of magnetism in Na_xCoO_2 single crystals with $0.78 \leq x \leq 0.97$
Europhysics Letters 80 (2007) 27005.
- 295 Volodymyr Babizhetskyy, Kurt Hiebl, Reinhard K. Kremer, Hansjürgen Mattausch,
and Arndt Simon
Crystal Chemistry and Physical Properties of the Ternary Compounds $R_{10}B_9C_{12}$
($RE=La, Ce, Pr, Nd$)
Solid State Sciences 9 (2007) 1126.
- 296 J. Serrano, R. K. Kremer, M. Cardona, G. Siegle, L. E. Díaz-Sanchez, and A. H.
Romero
Specific heat of Sb: Isotopic and spin-orbit effects from measurements and *ab initio*
calculations
Physical Review B 77 (2008) 054303.
- 297 Mikhail Ryazanov, Arndt Simon, Reinhard K. Kremer
Magnetic Freezing and Spin Frustration in the Triangular Lattice Magnets GdI_2H_x
Physical Review B 77 (2008) 054303.
- 298 L. Boeri, J. S. Kim, M. Giantomassi, F. S. Razavi, S. Kuroiwa, J. Akimitsu, and R.
K. Kremer
Pressure effects on the superconducting transition in $nH-CaAlSi$
Physical Review B 77 (2008) 144502.
- 299 N. V. Kasper, P. Wochner, A. Vigliante, H. Dosch, G. Jakob, H. D. Carstanjen, and
R. K. Kremer
Epitaxial growth and properties of (001)-oriented $TbBaCo_2O_{6-\delta}$ films
Journal of Applied Physics 103 (2008) 013907.

2008

- 300 Joseph Wontcheu, Wolfgang Bensch, Sergiy Mankovsky, Svitlana Polesya, Hubert Ebert, Reinhard K. Kremer, Eva Brücher
Anion substitution effects on structure and magnetism of the chromium chalcogenide Cr_5Te_8 Part III: Structures and magnetism of the high-temperature modification $Cr_{(1+x)}Q_2$ and the low-temperature modification $Cr_{(5+x)}Q_8$ ($Q = Te, Se$; $Te : Se = 5 : 3$) Journal of Solid State Chemistry, 181 (2008) 1492.
- 301 R.S. Gonnelli, D. Daghero, D. Delaude, M. Tortello, G.A. Ummarino, V.A. Stepanov, J.S. Kim, R.K. Kremer, A. Sanna, G. Profeta, and S. Massidda
Evidence for gap anisotropy in CaC_6 from directional point-contact spectroscopy Physical Review Letters 100 (2008) 207004.
- 302 Zuzana Hugonin, Mats Johansson, Sven Lidin, Dirk Wulferding, Peter Lemmens and Reinhard K. Kremer
Anomalous low temperature behaviour of the Co dimers in the oxo-halide $CoSb_2O_3Br_2$ Journal of Solid State Chemistry 181 (2008) 2776.
- 303 U. Nagel, D. Hüvonen, E. Joon, J. S. Kim, R.K. Kremer, and T. Rõõm
Far-infrared signature of the superconducting gap in intercalated graphite CaC_6 Physical Review B 78 (2008) R041404 (2008).
- 304 Xiaohui Liu, Richard Dronskowski, Reinhard K. Kremer, Martin Ahrens, Changhoon Lee, and Myung-Hwan Whangbo
Characterization of the magnetic and structural properties of copper carbodiimide, $CuNCN$, by neutron diffraction and first-principles evaluations of its spin exchange interactions Journal of Physical Chemistry 112 (2008) 11013.
- 305 C. Lefevre, C. Hoch, R. K. kremer, and A. Simon
Structures and Magnetic Properties of Some Layered Iodided R_2Co_2I ($R = La, Y, Pr, Nd, Tb - Ho$) Solid State Sciences 10, 1625 (2008).
- 306 V. Gnezdilov P. Lemmens, A. A. Zvyagin, V. O. Cheranovskii, K. Lamonova, Yu. G. Pashkevich, R. K. Kremer, and H. Berger
Magnetic crossover and complex excitation spectrum of the ferromagnetic/antiferromagnetic spin-1/2 chain system $\alpha-TeVO_4$ Physical Review B, in press.
- 307 A.H. Romero, M. Cardona, R. K. Kremer, R. Lauck, G. Siegle, J. Serrano, and X Gonze
Lattice Properties of PbX ($X = S, Se, Te$): Experimental Studies and *ab initio* Calculations Including Spin-Orbit Effects Physical Review B, accepted for publication.

Stuttgart, November 12, 2008