

Hans U. Güdel

PUBLICATION LIST

1. A. Ludi, H. U. Güdel, V. Dvorak
Zur Struktur von $\text{H}_3\text{Co}(\text{CN})_6$ und $\text{Ag}_3\text{Co}(\text{CN})_6$
Helv. Chim. Acta 50, 2035-2039 (1967)
2. H. U. Güdel, A. Ludi, H. Bürki
Die Kristallstruktur von $\text{H}_3\text{Co}(\text{CN})_6$
Helv. Chim. Acta 51, 1383-1389 (1968)
3. A. Ludi, H. U. Güdel
Die Kristallstruktur von $\text{Ag}_3\text{Co}(\text{CN})_6$
Helv. Chim. Acta 51, 1762-1765 (1968)
4. A. Ludi, H. U. Güdel
Die Struktur der Hydrate von $\text{Co}_3(\text{Co}(\text{CN})_6)_2$ und $\text{Cd}_3(\text{Co}(\text{CN})_6)_2$
Helv. Chim. Acta 51, 2006-2016 (1968)
5. A. Ludi, H. U. Güdel, R. Hügi
Zum Problem der Berlinerblaustruktur
Chimia 23, Heft 5, 194-195 (1969)
6. H. U. Güdel, A. Ludi
Zusammensetzung und strukturelle Eigenschaften des "zweiwertigen"
Kobaldcyanids
Helv. Chim. Acta 52, 2255-2260 (1969)
7. H. U. Güdel, A. Ludi, P. Fischer, and W. Hälg
Neutron Diffraction Study of $\text{D}_3\text{Co}(\text{CN})_6$
J. Chem. Phys. 53, 1917-1923 (1970)
8. A. Ludi, H. U. Güdel and M. Rüegg
The Structural Chemistry of Prussian Blue Analogs;
A Single Crystal Study of $\text{Mn}_3(\text{Co}(\text{CN})_6)_2 \cdot x\text{H}_2\text{O}$
Inorg. Chem. 9, 2224-2227 (1970)

9. H. U. Güdel, P. Fischer and A. Ludi
Hydrogen Bond in D₃Co(CN)₆.
A Low Temperature Neutron Diffraction Study
J. Chem. Phys. 56, 674-675 (1972)
10. H. U. Güdel
Hydrogen Bonds in H₃Co(CN)₆ and D₃Co(CN)₆. Model Calculations
J. Chem. Phys. 56, 4984-4989 (1972)
11. H. U. Güdel and C. J. Ballhausen
Low Temperature Absorption Spectra of TcO₄ and ReO₄ in KCPO₄
Theor. Chim. Acta 25, 331-337 (1972)
12. H. U. Güdel, I. Trabjerg, M. Vala and C. J. Ballhausen
Magnetic Circular Dichroism on the First Spin-Forbidden Transition in
2[Cr(en)₃Cl₃]·KCl·6H₂O
Mol. Phys. 24, 1227-1232 (1972)
13. A. Ludi and H. U. Güdel
Structural Chemistry of Polynuclear Transition Metal Cyanides
Structure and Bonding 14, 1-21 (1973)
14. H. U. Güdel
The Crystal Structure of Cadmium (II) Hexacyanochromate (III),
Cd₃[Cr(CN)₆]₂·xH₂O
Acta Chem. Scan. 26, 2169-2176 (1972)
15. H. U. Güdel, A. Ludi and H. Stucki
The Crystal Structure of Manganese (II) Hexacyanochromate (III),
Mn₃[Cr(CN)₆]₂·xH₂O
Inorg. Chim. Acta 7, 121-124 (1973)
16. J. Ferguson and H. U. Güdel
Spectroscopic Studies of Exchange Interactions in Polynuclear Transition
Metal Complexes.
I. [(NH₃)₅Cr(OH)Cr(NH₃)₅]Cl₅·3H₂O
Australian J. Chem. 26, 505-511 (1973)

17. J. Ferguson, H. U. Güdel and M. Puza
 Spectroscopic Studies of Exchange Interactions in Polynuclear Transition Metal Complexes
 Australian J. Chem. 26, 513-519 (1973)
18. J. Ferguson and H. U. Güdel
 Spectroscopic Study of the Trinuclear Complex Salt
 $[\text{Cr}_3\text{O}(\text{CH}_3\text{COO})_6(\text{H}_2\text{O})_3]\text{Cl}\cdot 6\text{H}_2\text{O}$
 Chem. Phys. Lett. 17, 547-550 (1973)
19. I. Trabjerg and H. U. Güdel
 Absorption of Circularly Polarized Light by the $^4\text{A}_2 \rightarrow ^2\text{E}$ and $^4\text{A}_2 \rightarrow ^2\text{T}_2$ Transition of Ruby in Strong Magnetic Fields
 Acta Chem. Scan. A28, 8-12 (1974)
20. J. Ferguson, H. U. Güdel, E. R. Krausz and H. J. Guggenheim
 High Resolution MCD and Phosphorescence Excitation Spectroscopy of Mn^{2+} in KMgF_3 and KZnF_3
 Mol. Phys. 28, 879-891 (1974)
21. J. Ferguson, H. U. Güdel, E. R. Krausz and H. J. Guggenheim
 Spectroscopy of Exchange Coupled Mn^{2+} in Pairs in KMgF_3 and KZnF_3
 Mol. Phys. 28, 893-904 (1974)
22. H. U. Güdel and L. Dubicki
 The Electronic Spectrum of μ -oxo-bis [pentammine Chromium(III)] Ion
 Chem. Phys. 6, 272-281 (1974)
23. J. Ferguson, H. U. Güdel and E. R. Krausz
 Electronic Pair Excitations of Mn^{2+} and Ni^{2+} in Perovskite Fluorides:
 Involvement of the $^3\text{T}^a$ State of Ni^{2+}
 Mol. Phys. 30, 1139-1147 (1975)
24. H. U. Güdel
 Light Absorption by Manganese Pairs in $\text{KMgF}_3:\text{Mn}^{2+}$ through a
 Vibronically Induced Exchange Mechanism
 Chem. Phys. Lett. 36, 328-330 (1975)

25. H. U. Güdel
Spektroskopische Untersuchungen an antiferromagnetischen zweikernigen Chrom(III)-Komplexen
Chimia 29, Heft 1, 18-19 (1975)
26. M. V. Rajasekharan, C. N. Sethulakshmi, P. T. Manoharan and H. U. Güdel
Polarized Optical Absorption Studies on Copper and Silver Diethyldithiocarbamates
Inorg. Chem. 15, 2657-2662 (1976)
27. H. U. Güdel
Spectroscopic Studies of Antiferromagnetically Coupled Polynuclear Chromium (III) Complexes
Colloques internationaux C.N.R.S. No. 255, 231-235 (1977)
28. S. Decurtins, H. U. Güdel and K. Neuenschwander
Electronic Spectrum of Hydroxopentaamminechromium (III)
Inorg. Chem. 16, 796-799 (1977)
29. P. Engel and H. U. Güdel
Crystal Structure and Polarized Electronic Spectrum of μ -Hydroxo-bis[pentaamminechromium(III)] Chloride Dehydrate
Inorg. Chem. 16, 1589-1593 (1977)
30. A. Furrer and H. U. Güdel
Molecular Electronic Excitations in a Cr³⁺ Dimer Observed by Neutron Inelastic Scattering
J. Phys. C: Solid State Phys. 10, L191-L195 (1977)
31. H. U. Güdel and A. Furrer
Neutron Inelastic Scattering Study of Exchange Interactions in a Chromium (III) Dimer: μ -hydroxo-bis[pentaamminechromium(III)] Chloride Monohydrate
Mol. Phys. 33, 1335-1344 (1977)

32. A. Furrer and H. U. Güdel
Magnetische Austauschwechselwirkung eines dreikernigen Eisenclusters
in α -Metavoltin, $K_{10}(Fe_3O(SO_4)_6(H_2O)_3)_2 \cdot 12H_2O$
Helv. Phys. Acta 50, 439-446 (1977)
33. A. Furrer and H. U. Güdel
Interference Effects in Neutron Scattering from Magnetic Clusters
Phys. Rev. Lett. 39, 657-660 (1977)
34. H. U. Güdel and T. R. Snellgrove
Jahn-Teller Effect in the $^4T_{2g}$ State of Chromium(III) in Dicesium Sodium
Indium (III) Hexachloride
Inorg. Chem. 17, 1617-1620 (1978)
35. A. Beutler, H. U. Güdel, T. R. Snellgrove and G. Chapuis
Exchange Interactions in Di- μ -hydroxo-bis[bis(1,2-diamino ethane)-
chromium(III)] Salts.
Structural, Magnetochemical and Optical Spectroscopic Investigations
J. Chem. Soc. Dalton Trans. 983-992 (1979)
36. H. U. Güdel, A. Stebler and A. Furrer
Direct Observation of Singlet-Triplet Separation in Dimeric Copper (II)
Acetate by Neutron Inelastic Scattering Spectroscopy
Inorg. Chem. 18, 1021-1023 (1979)
37. A. Furrer, H. U. Güdel and U. Hauser
Exchange Interactions in Tetranuclear Cr^{3+} Clusters of Rhodosochloride
Tetrahydrate, $(Cr_4(OH)_6(NH_3)_{12})Cl_6 \cdot 3H_2O$
J. Appl. Phys. 50, 2043-2045 (1979)
38. F. Felix, J. Ferguson, H. U. Güdel and A. Ludi
Electronic Spectra of $M(bipy)^{2+}$ Complex Ions ($M=Fe$, Ru and Os)
Chem. Phys. Lett. 62, 153-157 (1979)

39. H. U. Güdel, U. Hauser and A. Furrer
Electronic Ground-State Properties of Tetranuclear Hexa- μ -hydroxo-
bis(tetraamminechromium (III) bis (diamminechromium (III)) Chloride.
A Spectroscopic and Magnetochemical Study
Inorg. Chem. 18, 2730-2737 (1979)
40. A. Furrer and H. U. Güdel
Neutron Inelastic Scattering from Isolated Clusters of Magnetic Ions
J. Magn. Magn. Mat. 14, 256-264 (1979)
41. H. U. Güdel, A. Furrer and A. Murani
Inelastic Neutron Scattering of Exchange Coupled Molecular Cr³⁺
Tetramers
J. Magn. Magn. Mat. 15-18, 383-384 (1980)
42. P. Day, F. Herren, A. Ludi, H. U. Güdel, F. Hulliger and D. Givord
Valence Delocalization in Prussian Blue Fe^{III}[Fe^{II}(CN)₆]₃[·]x D₂O, by
Polarized Neutron Diffraction
Helv. Chim. Acta 63, 148-153 (1980)
43. H. U. Güdel and U. Hauser
Magnetochemical Properties of Tetranuclear Rhodoso and Pfeiffer
Chromium (III) Complexes in a Series of Compounds
J. Sol. State Chem. 35, 230-239 (1980)
44. F. Felix, J. Ferguson, H. U. Güdel and A. Ludi
The Electronic Spectrum of Ru(bpy)²⁺
J. Am. Chem. Soc. 102, 4096-4102 (1980)
45. S. Decurtins, F. Felix, J. Ferguson, H. U. Güdel and A. Ludi
The Electronic Spectrum of Fe(bpy)²⁺ and Os(bpy)²⁺
J. Am. Chem. Soc. 102, 4102-4106 (1980)
46. H. U. Güdel and U. Hauser
Exchange Interactions in Tris[cis-di- μ -hydroxo-bis (ethylenediamine)
chromium(III)]-chromium(III) Tris(dithionite) Octahydrate
Inorg. Chem. 19, 1325-1328 (1980)

47. H. U. Güdel, A. Stebler and A. Furrer
 Inelastic Neutron Scattering from Single Crystals of Dimeric Copper Acetate
J. Phys. C: Solid State Phys. 13, 3817-3822 (1980)
48. H. U. Güdel, A. Furrer, W. Bührer and B. Hälg
 Exchange Interactions in Clusters of Paramagnetic Transition Metal Ions.
 Inelastic Neutron Scattering Studies
Surface Science 106, 432-436 (1981)
49. U. Geiser and H. U. Güdel
 Single Crystal Circular Dichroism of $[(+)_D\text{-Cr}(\text{en})_3]^{3+}$.
Inorg. Chem. 20, 3013-3019 (1981)
50. A. Stebler, H. U. Güdel, A. Furrer and J. K. Kjems
 Intra- and Intermolecular Interactions in $[\text{Ni}_2(\text{ND}_2\text{C}_2\text{H}_4\text{ND}_2)_4\text{Br}_2]\text{Br}_2$.
 A Study by Inelastic Neutron Scattering and Magnetic Measurements
Inorg. Chem. 21, 380-386 (1982)
51. A. Hauser and H. U. Güdel
 Single Crystal Absorption Spectra of CsVX_3 (X=Cl,Br,I)
Chem. Phys. Lett. 82, 72-75 (1981)
52. S. Decurtins, H. U. Güdel and A. Pfeuti
 Optical Spectroscopy of $[(\text{NH}_3)_4\text{Cr}(\text{OH})_2\text{Cr}(\text{NH}_3)_4]^{4+}$ and
 $[(\text{en})_2\text{Cr}(\text{OH})_2\text{Cr}(\text{en})_2]^{4+}$
Inorg. Chem. 21, 1101-1106 (1982)
53. U. Kambli and H. U. Güdel
 Electronic Spectrum of $[\text{FeCl}_5(\text{H}_2\text{O})]^{2-}$
Inorg. Chem. 21, 1270-1272 (1982)
54. U. Schmid, H. U. Güdel and R. D. Willett
 Origin of the Red Color in Copper (II) Doped Ethylenediammonium Tetrachloromangate (II)
Inorg. Chem. 21, 2977-2982 (1982)

55. A. Stebler and H. U. Güdel
 Abstract: Exchange Interactions in $\text{Cs}_3\text{Cr}_2\text{Cl}_9$:
 Inelastic Neutron Scattering Studies
J. Appl. Phys. 53, 1996, (1982)
56. Kurt J. Schenk and H. U. Güdel
 Low Temperature Structural and Spectroscopic Properties of
 $[\text{Cr}_3\text{O}(\text{CH}_3\text{COO})_6(\text{H}_2\text{O})_3]\text{Cl}\cdot 6\text{H}_2\text{O}$
Inorg. Chem. 21, 2253-2256 (1982)
57. A. Hauser and H. U. Güdel
 Single-Crystal Absorption and Emission Spectra of CsVCl_3 and
 $\text{CsMgCl}_3:\text{V}^{2+}$
J. Luminescence 27, 249-256 (1982)
58. S. Decurtins and H. U. Güdel
 Superexchange in Bis(μ -hydroxo)-Bridged Chromium(III) Dimers.
 Optical Spectroscopic Study of Singly Excited $^2\text{E}_g$ $^4\text{A}_{2g}$ Pair States
Inorg. Chem. 21, 3598-3606 (1982)
59. P. J. Brown, P. Day, P. Fischer, F. Herren, A. Ludi and H. U. Güdel
 Polarized Neutron Diffraction and Spin Density in $\text{Cs}_2\text{KFe}(\text{CN})_6$.
 A Low-Spin 3d⁵ Compound
J. Physique, Colloque C7, 43, C7-235 - C7-240 (1982)
60. A. Hauser and H. U. Güdel
 Spectroscopic and Magneto-optical Properties of Quasi 1D
 Antiferromagnets AVX_3 ($\text{A}=\text{Cs}, \text{Rb}$; $\text{X}=\text{Cl}, \text{Br}, \text{I}$)
J. Magn. Magn. Mater. 31-34, 1239-1240 (1983)
61. A. Hauser, U. Falk, P. Fischer, A. Furrer and H. U. Güdel
 Neutron Scattering Investigation of 1D and 3D Magnetic Ordering and
 Excitations in AVX_3 ($\text{A}=\text{Rb}, \text{Cs}$; $\text{X}=\text{Cl}, \text{Br}, \text{I}$)
J. Magn. Magn. Mater. 31-34, 1139-1140 (1983)

62. U. Hauser and H. U. Güdel
 Exchange Interactions Between Dimers of Chromium(III).
 A Cluster Approach
Theor. Chim. Acta, 62, 319-327 (1983)
63. K. Neuenschwander and H. U. Güdel
 Electron Transfer Transitions in Hexachloroferrate (III).
 Single Crystal Absorption and MCD Spectra
Inorg. Chem. 22, 1712-1718 (1983)
64. B. Leuenberger and H. U. Güdel
 Collective Excitations in the Singlet Ground-State Dimer
 System $\text{Cs}_3\text{Cr}_2\text{Br}_9$
Phys. Rev. B 28, 5368-5370 (1983)
65. B. Leuenberger and H. U. Güdel
 Exchange Interactions Between Orbitally Degenerate Ions in Ti_2X^{3-}
 ($\text{X}=\text{Cl}, \text{Br}$)
Mol. Phys. 51, 1-20 (1984)
66. H. U. Güdel
 Pair Excitations in Vivianite, $\text{Fe}_3(\text{PO}_4)_2 \cdot 8\text{H}_2\text{O}$
Inorg. Chem. 22, 3812-3815 (1983)
67. P. J. McCarthy and H. U. Güdel
 Optical Spectra of Exchange-coupled Manganese(II) Pairs in Cesium
 Magnesium Trichloride and Cesium Magnesium Tribromide
Inorg. Chem. 23, 880-887 (1984)
68. H. Riesen and H. U. Güdel
 Vanadium(II) Pair Excitations in $\text{CsMg}_{1-x}\text{V}_x\text{Cl}_3$
Inorg. Chem. 23, 1880-1885 (1984)
69. H. U. Güdel
 Chapter: Optical Spectroscopy
 in "Magneto-Structural Correlations in Exchange Coupled Systems"
 R. D. Willett et al (ed.)
 Reidel, (1985) pp. 297-327

70. H. U. Güdel
 Chapter: Inelastic Neutron Scattering from Clusters
 in "Magneto-Structural Correlations in Exchange Coupled Systems"
 R. D. Willett et al. (eds.),
 Reidel, (1985) pp. 329-354
71. R. Feile, J. K. Kjems, A. Hauser, U. Falk, A. Furrer and H. U. Güdel
 Inelastic Neutron Scattering Investigation of the Magnetic Excitations of
 Linear Chain Antiferromagnets CsVX_3 (X=Cl,Br,I)
 Solid State Commun., 50, 435-437 (1984)
72. A. Furrer and H. U. Güdel
 Magnetic Excitations of the Dilute One-Dimensional Magnet
 $\text{CsMn}_x\text{Mg}_{1-x}\text{Br}_3$
 J. Appl. Phys. 55, 1877-1879 (1984)
73. U. Falk, A. Furrer, J. K. Kjems and H. U. Güdel
 Biquadratic Exchange in $\text{CsMn}_x\text{Mg}_{1-x}\text{Br}_3$
 Phys. Rev. Lett. 52, 1336-1339 (1984)
74. H. Bill, G. Magne, K. Neuenschwander and H. U. Güdel
 Endor Study of Gd^{3+} in $\text{Cs}_2\text{NaYCl}_6$
 Chem. Phys. Lett. 104, 258-262 (1984)
75. H. U. Güdel
 Singly and Doubly Excited States of Exchange-Coupled Dimers
 Comments Inorg. Chem., 3, 189-204, (1984)
76. U. Kambli, B. Briat and H. U. Güdel
 Optical Absorption and Luminescence Studies of the 2-D
 Antiferromagnets Rb_2MnCl_4 and $\text{Rb}_3\text{Mn}_2\text{Cl}_7$
 J. Phys. C: Solid State Phys. 17, 3113-3122 (1984)
77. U. Kambli and H. U. Güdel
 Optical Absorption and Luminescence Studies of Antiferromagnetic
 RbMnCl_3 and CsMnCl_3
 J. Phys. C: Solid State Phys. 17, 4041-4054 (1984)

78. U. Kambli and H. U. Güdel
 Transfer of Electronic Excitation Energy in the Antiferromagnets
 RbMnCl_3 , CsMnCl_3 , CsMnBr_3 and Rb_2MnCl_4
Inorg. Chem. 23, 3479-3486 (1984)
79. A. Hauser, U. Falk, P. Fischer and H. U. Güdel
 Magnetic Order in AVX_3 ($\text{A}=\text{Rb,Cs}, (\text{CD}_3)_4\text{N}$; $\text{X}=\text{Cl,Br,I}$).
 A Neutron Diffraction Study
J. Sol. State Chem. 56, 343-354 (1985)
80. B. Leuenberger and H. U. Güdel
 Correlation Theory Applied to the Spin Dynamics of the Dimer Compound
 $\text{Cs}_3\text{Cr}_2\text{Br}_9$.
 Self Consistent Lineshapes of the Singlet-Triplet Excitations
J. Phys. C: Solid State Phys. 18, 1909-1918 (1985)
81. B. Leuenberger, A. Stebler, A. Furrer, R. Feile, J. K. Kjems and
 H. U. Güdel
 Spin Dynamics of an Isotropic Singlet Ground State Antiferromagnet with
 Alternating Strong and Weak Interactions.
 An Inelastic Neutron Scattering Study of the Dimer Compound $\text{Cs}_3\text{Cr}_2\text{Br}_9$
Phys. Rev. B 30, 6300-6307 (1984)
82. J. K. Kjems, D. Petitgrand, R. Feile, B. Leuenberger and H. U. Güdel
 Singlet Ground-State Dimer Systems $\text{Cs}_3\text{Cr}_2\text{Br}_9$ and $\text{Cs}_3\text{Cr}_2\text{Cl}_9$.
 Proceedings of the Meeting on "Elementary Excitations and Fluctuations in
 Magnetic Systems", S. W. Lovesey et al. (eds.)
 Springer Verlag (1984), pp. 189-194
83. B. Leuenberger, H. U. Güdel, J. K. Kjems, D. Petitgrand
 Magnetic Dimer Excitations in $\text{Cs}_3\text{Cr}_2\text{Cl}_9$ Studied by Neutron Scattering
Inorg. Chem. 24, 1035-1038 (1985)
84. B. Leuenberger, H. U. Güdel, R. Feile and J. K. Kjems
 Magnetic Field Effects on the Soft Mode in a Singlet Ground State Dimer
 System: A Neutron Scattering Study of $\text{Cs}_3\text{Cr}_2\text{Br}_9$
Phys. Rev. B 31, 597-599 (1985)

85. B. Briat, J. C. Canit, A. Vervoitte and H. U. Güdel
 Optical and Magnetic Dichroism Study of the Quadratic Double-Layer
 Antiferromagnet $\text{Rb}_3\text{Mn}_2\text{Cl}_7$
J. Physique 46, 479-487 (1985)
86. B. Leuenberger, H. U. Güdel, R. Horne, A. J. van Duyneveldt
 Field-Induced Magnetic Ordering in the Singlet Ground-State System
 $\text{Cs}_3\text{Cr}_2\text{Br}_9$
J. Magn. Magn. Mater. 49, 131-136 (1985)
87. H. Riesen, H. U. Güdel, P. Chaudhuri and K. Wieghardt
 Exchange Interactions in a Trigonal Chromium (III) Dimer.
 Optical Spectroscopy of Tris (μ -hydroxo) bis [(1,4,7-trimethyl - 1,4,7-triazacyclononane) Chromium (III)] Triperchlorate
Chem. Phys. Lett. 110, 552-555 (1984)
88. A. Stebler, B. Leuenberger and H. U. Güdel
 Synthesis and Crystal Growth of $\text{A}_2\text{M}_2\text{X}_9$ ($\text{A}=\text{Cs}, \text{Rb}$; $\text{M}=\text{Ti}, \text{V}, \text{Cr}$;
 $\text{X}=\text{Cl}, \text{Br}$)
Inorg. Synth. 26, 377-385 (1990)
89. U. Falk, A. Furrer, J. K. Kjems and H. U. Güdel
 Exchange Mechanisms in $\text{CsMn}_x\text{Mg}_{1-x}\text{Br}_3$
J. Appl. Phys. 57, 3332-3334 (1985)
90. B. Gälli, A. Hauser and H. U. Güdel
 Luminescence and Absorption Spectroscopy of VCl_2 , $\text{Mg}_{1-x}\text{V}_x\text{Cl}_2$ and
 $\text{Cd}_{1-x}\text{V}_x\text{Cl}_2$ Crystals
Inorg. Chem. 24, 2271-2275 (1985)
91. H. U. Güdel
 Static Versus Dynamic Distortions in the Triangular Cluster Compound
 $[\text{Cr}_3\text{O}(\text{CH}_3\text{COO})_6]\text{Cl}\cdot 6\text{H}_2\text{O}$
J. Chem. Phys. 82, 2510-2511 (1985)

92. B. Leuenberger and H. U. Güdel
Trends of Magnetic Interactions in Related Transition Metal Dimers
Inorg. Chem. 25, 181-184 (1986)
93. A. Furrer, H. U. Güdel and J. Darriet
Magnetic Excitations in Cs_2ALnX_6 and $\text{Cs}_3\text{Ln}_2\text{X}_9$
(A=Li,Na; Ln=Ce,Nd,Tb,Yb; X=Cl,Br)
Journal of Less Common Metals 111, 223-237 (1985)
94. H. U. Güdel
Excited States of Mononuclear and Dinuclear Chromium (III) Complexes
in "Excited States and Reactive Intermediates",
A. B. P. Lever (ed.)
ACS-Symposium Series 307, 1-11 (1986)
95. B. Leuenberger, H. U. Güdel and J. K. Kjems
A Neutron Scattering Study of the Dimer Compound $\text{Cs}_3\text{Cr}_2\text{Br}_9$ under
High Pressure
J. Magn. Magn. Mater. 53, 175-178 (1985)
96. P. J. McCarthy and H. U. Güdel
Optical Spectra of Exchange-Coupled Manganese (II) Pairs in Cadmium
Chloride and Cadmium Bromide
Inorg. Chem. 25, 838-842 (1986)
97. H. U. Güdel, A. Furrer and J. K. Kjems
Neutron Scattering in Dimers
J. Magn. Magn. Mater. 54-57, 1453-1458 (1986)
98. B. Leuenberger, H. U. Güdel and P. Fischer
Synthesis and Structural Characterization of Dimer Compounds:
Neutron Powder Diffraction of $\text{Cs}_3\text{Cr}_2\text{X}_9$, X=Cl,Br,I
J. Solid State Chem. 64, 90-101 (1986)
99. B. Leuenberger, H. U. Güdel and P. Fischer
Spontaneous Magnetic Order Induced by an Intra-Triplet Mode in the
Dimerized Ground-State System $\text{Cs}_3\text{Cr}_2\text{I}_9$
Phys. Rev. Lett. 55, 2983-2986 (1985)

100. Ch. Reber and H. U. Güdel
 Luminescence Properties of CsNiX_3 and $\text{CsMg}_{1-x}\text{Ni}_x\text{X}_3$ ($\text{X}=\text{Cl}, \text{Br}$)
 Inorg. Chem. 25, 1196-1201 (1986)
101. B. Leuenberger, H. U. Güdel and P. Fischer
 Magnetic Order in a Dimerized Singlet-Triplet System.
 A Neutron Scattering Study of $\text{Cs}_3\text{Cr}_2\text{I}_9$
 Phys. Rev. B 33, 6375-6382 (1986)
102. P. A. Marioni, H. Stoeckli-Evans, W. Marty, H. U. Güdel and
 A. F. Williams
 Poly- $\{\mu\text{-}(2,5\text{-dicarboxy-pyrazine-3,6-dicarboxylato})\text{ Transdiaquairon (II)}$
 Dihydrate $\}\}$, a Member of a New Class of Quasi-Linear Chain
 Compounds.
 Preparation, Structure and Magnetic Susceptibility
 Helv. Chim. Acta 69, 1004-1012 (1986)
103. S. M. Jacobsen, W. E. Smith, Ch. Reber and H. U. Güdel
 Near-Infrared Luminescence from Ti^{2+} in MgCl_2
 J. Chem. Phys. 84, 5205-5206 (1986)
104. H. Riesen and H. U. Güdel
 Optical Spectroscopy as a Structural and Electronic Probe in a
 Coordination Compound: $[(\text{NH}_3)_5\text{CrOHCr}(\text{NH}_3)_5]\text{Cl}_5 \cdot \text{H}_2\text{O}$
 Inorg. Chem. 25, 3566-3570 (1986)
105. U. Falk, A. Furrer, H. U. Güdel and J. K. Kjems
 Three-Spin Exchange Interaction in $\text{CsMn}_{0.28}\text{Mg}_{0.72}\text{Br}_3$
 Phys. Rev. Lett. 56, 1956-1959 (1986)
106. B. Leuenberger, H. U. Güdel and A. Furrer
 Exchange Interactions Between Orbitally Degenerate Ions in $\text{Ti}_2\text{X}_9^{3-}$
 ($\text{X}=\text{Cl}, \text{Br}$).
 Spectroscopic Investigation of $\text{Cs}_3\text{Ti}_2\text{Cl}_9$ and $\text{Rb}_3\text{Ti}_2\text{Br}_9$
 Chem. Phys. Lett. 126, 255-259 (1986)

107. H. Riesen and H. U. Güdel
 Excitation Energy Transfer Between Inequivalent Chromium (III) Dimers
 in $[(\text{NH}_3)_5\text{CrOHCr}(\text{NH}_3)_5]\text{Cl}_5 \cdot \text{H}_2\text{O}$
Molecular Phys. 58, 509-534 (1986)
108. B. Leuenberger, B. Briat, J.-C. Canit, A. Furrer, P. Fischer and H. U. Güdel
 Synthesis, Structural Characterization and Magnetic Properties of V^{3+}
 Dimer Compounds.
 A Neutron Scattering and Magnetic Circular Dichroism Study of $\text{Cs}_3\text{V}_2\text{Cl}_9$,
Inorg. Chem. 25, 2930-2935 (1986)
109. B. Leuenberger, H. U. Güdel and A. Furrer
 Dimer Excitations in a Critical Singlet Ground-State Magnet.
 An Inelastic Neutron Scattering Study of $\text{Cs}_3\text{Cr}_2\text{I}_9$
J. Magn. Magn. Mater. 61, 193-197 (1986)
110. R. Knochenmuss, Chr. Reber, R. Melat and H. U. Güdel
 Broadband Near-Infrared Luminescence of Cr^{3+} in the Elpasolite Lattices
 $\text{Cs}_2\text{NaInCl}_6$ and $\text{Cs}_2\text{NaYBr}_6$
J. Chem. Phys. 85, 4280-4289 (1986)
111. H. U. Güdel
 Exchange Effects in Polynuclear Chromium (III) Complexes
 in "Understanding Molecular Properties",
 J. Avery, J. P. Dahl and A. E. Hansen (eds.),
 Reidel, Dordrecht, 69-83 (1987)
112. R. Knochenmuss and H. U. Güdel
 Exciton Trapping in the One-Dimensional Antiferromagnet
 $[(\text{CH}_3)_4\text{N}]\text{MnCl}_3$
J. Chem. Phys. 86, 1104-1110 (1987)
113. U. Falk, A. Furrer, H. U. Güdel and J. K. Kjems
 Inelastic Neutron Scattering Study of Magnetic Interactions in
 $\text{CsMn}_x\text{Mg}_{1-x}\text{Br}_3$.
 I. Spin Waves in CsMnBr_3
Phys. Rev. B 35, 4888-4892 (1987)

114. U. Falk, A. Furrer, N. Furer, H. U. Güdel and J. K. Kjems
 Inelastic Neutron Scattering Study of Magnetic Interactions in
 $\text{CsMn}_x\text{Mg}_{1-x}\text{Br}_3$.
 II. Magnetic Excitations in Clusters of Mn^{2+} Ions
Phys. Rev. B 35, 4893-4900 (1987)
115. W. Bührer and H. U. Güdel
 Soft Rotary Mode and Structural Phase Transition in the Rare-Earth Bromo
 Elpasolites $\text{Cs}_2\text{NaREBr}_6$
J. Phys. C: Solid State Phys. 20, 3809-3821 (1987)
116. Hans Riesen and Hans U. Güdel
 Luminescence Line Narrowing in $[(\text{Bispicam})\text{Cr(III)}(\text{OH})_2(\text{SO}_4)\text{Cr(III)}(\text{Bispicam})]\text{S}_2\text{O}_6 \cdot 3\text{H}_2\text{O}$ (Bispicam = N,N'-Bis (2-Pyridilmethyl)-Amine).
 Evaluation of Exchange Parameters
Chem. Phys. Lett. 133, 429-432 (1987)
117. Hans Riesen and Hans U. Güdel
 Exchange Interactions in a Trigonal Chromium (III) Pair.
 Optical Spectroscopy of Tris-(μ -Hydroxo)-bis-[1,4,7-Triazacyclononane] Chromium (III) Triperchlorate
Mol. Phys. 60, 1221-1244 (1987)
118. Hans Riesen, Hans U. Güdel and Ueli Kindler
 A Low-Cost Apparatus for High-Pressure Optical Spectroscopy at Low
 Temperatures
Rev. Sci. Instrum. 58, 1122-1123 (1987)
119. Hans Riesen, Ch. Reber, H. U. Güdel and K. Wieghardt
 Site-Selective Luminescence and Excitation Spectroscopy in Tris- μ -
 hydroxo-bis [(1,5,9-triazacyclododecane) Chromium(III)] Tribromide
 Dihydrate
Inorg. Chem. 26, 2747-2750 (1987)
120. Hans Riesen and Hans U. Güdel
 Effect of High Pressure on the Exchange Interactions in Binuclear
 Chromium (III) Complexes
J. Chem. Phys. 87, 3166 - 3172 (1987)

121. Ch. Reber, H. U. Güdel, L. Spiccia and W. Marty
 Ferromagnetic Exchange Interaction in a Binuclear Chromium (III) Complex:
 Magnetic and Spectroscopic Properties of
 $[(\text{H}_2\text{O})_4\text{Cr}(\text{OH})_2\text{Cr}(\text{H}_2\text{O})_4][(\text{CH}_3)_3\text{C}_6\text{H}_2\text{SO}_3]_4 \cdot 4\text{H}_2\text{O}$
 Inorg. Chem. 26, 3186-3191 (1987)
122. Carlo Bellitto, Hans Brunner and Hans U. Güdel
 Optical Spectroscopy of One- and Two-dimensional Ionic Magnets of
 $\text{Cr}^{2+}:\text{CsCrCl}_3$, $(\text{CH}_3)_4\text{NCrCl}_3$, $(\text{CH}_3)_4\text{NCrBr}_3$, CrCl_2 , $(\text{C}_2\text{H}_5\text{NH}_3)_2\text{CrCl}_4$,
 $(\text{C}_2\text{H}_5\text{NH}_3)_2\text{CrBr}_4$
 Inorg. Chem. 26, 2750-2754 (1987)
123. Hans Riesen and Hans U. Güdel
 Pressure Tuning of Exchange Interactions in Dinuclear Chromium (III) Complexes
 Inorg. Chem. 26, 2347-2348 (1987)
124. Stuart M. Jacobsen, Hans U. Güdel, and W. Ewen Smith
 Spin Cluster Excitations in Ti^{2+} Doped MnCl_2
 Inorg. Chem. 26, 2001-2005, (1987)
125. Chr. Reber and H. U. Güdel
 Infrared Luminescence Spectroscopy of V^{3+} Doped Cs_2NaYX_6 ($\text{X}=\text{Cl}, \text{Br}$)
 in "Photochemistry and Photophysics of Coordination Compounds",
 A. Vogler and H. Yersin (eds.)
 Springer Verlag. p. 17-20 (1987)
126. R. Knochenmuss and H. U. Güdel
 One Dimensional Excitation Energy Transfer in TMMC and Related Compounds
 in "Organic and Inorganic Low-Dimensional Crystalline Materials";
 Pierre Delhaes and Marc Drillon (eds.),
 Kluwer Academic Publishers, Dordrecht
 NATO ASI Series, B168, 445-448 (1987)
127. Stuart M. Jacobsen and Hans U. Güdel
 Spin Cluster Excitations in Ti^{2+} Doped MnCl_2
 J. Luminescence 38, 184-186 (1987)

128. Stuart M. Jacobsen, Christian Reber and Hans U. Güdel
 Sharp Line Near Infrared Luminescence from Titanium²⁺ in Magnesium Chloride
J. Luminescence 40 & 41, 107-108 (1988)
129. C. Daul, P. Day, B. N. Figgis, H. U. Güdel, F. Herren, A. Ludi and P. A. Reynolds
 The Magnetisation Density of Hexacyanoferrate (III) Ion Measured by Polarised Neutron Diffraction in Cs₂KFe(CN)₆
Proc. R. Soc. Lond. A 419, 205-219 (1988)
130. Paul J. McCarthy and Hans U. Güdel
 Optical Spectroscopy of Exchange-Coupled Transition Metal Complexes
Coord. Chem. Rev. 88, 69-131 (1988)
131. Christian Reber, Hans U. Güdel, Maarten Buijs, Karl Wieghardt and Phalguni Chaudhuri
 Optical Absorption and Luminescence Spectroscopy of [LCr(OH)(CH₃COO)₂CrL](ClO₄)₃ and [LCr(OH)(CH₃COO)₂ZnL](ClO₄)₂·0.5H₂O (L=1,4,7-Trimethyl - 1,4,7-triazacyclononane)
Inorg. Chem. 27, 2115-2120 (1988)
132. Christian Reber and Hans U. Güdel
 Near Infrared Luminescence Spectroscopy and Relaxation Behaviour of V³⁺ doped in Cs₂NaYCl_{6-m}Br_m (m=0, 0.3, 3, 6)
J. Luminescence 42, 1-13 (1988)
133. Stuart M. Jacobsen, Hans U. Güdel and Claude A. Daul
 Excited States of Titanium²⁺: Sharp and Broadband Near-infrared Luminescence from Ti²⁺ in MgCl₂ and MgBr₂
J. Am. Chem. Soc. 110, 7610-7616 (1988)
134. A. Dönni, A. Furrer, H. Blank, A. Heidemann and H. U. Güdel
 Direct Observation of Exchange Splittings in Rare Earth Dimers by Inelastic Neutron Scattering
J. Physique, Colloque C8, 49, C8-1513 - C8-1514 (1988)

135. A. Dönni, A. Furrer, H. Blank, A. Heidemann and H. U. Güdel
 Structure and Magnetic Excitation in $\text{Cs}_3\text{Ho}_2\text{Br}_9$ Studied by Neutron Scattering
Physica B 156 & 157, 370-372 (1989)
136. Markus Herren, Stuart M. Jacobsen and Hans U. Güdel
 Spin Cluster Excitations of $\text{Ti}^{2+}\text{Mn}^{2+}$ and $\text{Mn}^{2+}\text{Ti}^{2+}\text{Mn}^{2+}$ in MgCl_2 Studied by Site-selective Optical Spectroscopy
Inorg. Chem. 28, 504-509 (1989)
137. Markus Herren, Stuart Jacobsen, Stanley May and Hans U. Güdel
 Simultaneous Near-Infrared and Visible Luminescence in $\text{Ni}^{2+}:\text{CsCdCl}_3$ and $\text{Ti}^{2+}:\text{MgCl}_2$
 in "Excited States of Transition Elements"; B. Jazowska-Trzebiatowska, J. Legendziewicz and M. Strek (Editors)
 World Scientific Publishing Co. 183-194 (1988)
138. Arne Zilian and Hans U. Güdel
 High-Resolution Absorption and Luminescence Spectra of a Molecular Rh^{3+} Complex: $[\text{Rh}(2\text{-phenylpyridine})_2(2,2'\text{-bipyridine})]^+$
 in "Excited States of Transition Elements"; B. Jazowska-Trzebiatowska, J. Legendziewicz and M. Strek (Editors)
 World Scientific Publishing Co. 663-668 (1988)
139. Markus Herren, Stuart M. Jacobsen and Hans U. Güdel
 Selective Excitation of $\text{Ti}^{2+}\text{Mn}^{2+}$ and $\text{Mn}^{2+}\text{Ti}^{2+}\text{Mn}^{2+}$ Spin Clusters in MgCl_2
J. Chem. Phys. 90, 663-671 (1989)
140. A. Furrer, H. U. Güdel, H. Blank and A. Heidemann
 Direct Observation of Exchange Splittings in $\text{Cs}_3\text{Tb}_2\text{Br}_9$ by Neutron Spectroscopy
Phys. Rev. Lett. 62, 210-213 (1989)
141. Arne Zilian, Urs Maeder, Alex von Zelewski and Hans U. Güdel
 High-Resolution Absorption and Luminescence Spectroscopy of a Cyclometalated Rhodium (III) Complex: $[\text{Rh}(\text{phpy})_2(\text{bpy})]^+$
J. Am. Chem. Soc. 111, 3855-3859 (1989)

142. Christian Reber and Hans U. Güdel
 Near Infrared Luminescence Spectroscopy of $\text{Al}_2\text{O}_3:\text{V}^{3+}$ and $\text{Y}\text{P}_3\text{O}_9:\text{V}^{3+}$
Chem. Phys. Lett. 154, 425-431 (1989)
143. Stuart M. Jacobsen and Hans U. Güdel
 Higher Excited State Luminescence in $\text{Ti}^{2+}:\text{MgCl}_2$.
 Dynamics of Radiative and Nonradiative Processes
J. Luminescence 43, 125-137 (1989)
144. A. Dönni, A. Furrer and H. U. Güdel
 Structure of the Dimer Compounds $\text{Cs}_3\text{R}_2\text{Br}_9$ (R=Tb, Dy, Ho, Er, Yb) at 8K and 295K
J. Solid State Chem. 81, 278-284 (1989)
145. Christian Reber, Hans U. Güdel, Gerd Meyer, Thomas Schleid and Claude A. Daul
 Optical Spectroscopic and Structural Properties of V^{3+} doped Fluoride, Chloride and Bromide Elpasolite Lattices
Inorg. Chem. 28, 3249-3258 (1989)
146. C. Benelli, A. Dei, D. Gatteschi, H. U. Güdel and L. Pardi
 Large Intensity Enhancement of the Spin-Forbidden $^4\text{A}_{2g} \rightarrow ^2\text{E}_g$ Transition in Chromium(III)-Semiquinone Complexes
Inorg. Chem. 28, 3089-3091 (1989)
147. Stuart M. Jacobsen, Hans U. Güdel and Claude A. Daul
 Zeeman Effects in the NIR Luminescence of Ti^{2+} Doped MgCl_2
Chem. Phys. Lett. 158, 77-80 (1989)
148. Robert Stranger, Grainne Morand, Elmars Krausz, Hans Güdel and Naomi Furer
 Octahedral Monomeric Molybdenum (III) - Magneto-Optical Study of Mo^{3+} Doped in $\text{Cs}_2\text{NaYCl}_6$
Mol. Phys. 69, 11-31 (1990)
149. A. Furrer, H. U. Güdel, E. R. Krausz and H. Blank
 Neutron Spectroscopic Study of Anisotropic Exchange in the Dimer Compound $\text{Cs}_3\text{Ho}_2\text{Br}_9$
Phys. Rev. Lett. 64, 68-71 (1990)

150. Arne Zilian, Mirco Colombo and Hans U. Güdel
 Luminescence Line Narrowing in Coordination Compounds:
 Tris Chelate Complexes of Rhodium (III)
J. Luminescence 45, 111-114 (1990)
151. A. Monnier, D. Chambaz, H. Bill, H. U. Güdel and J. Weber
 Electronic Structure of Cr³⁺ in Cs₂NaYCl₆ and
 Cs₂NaYBr₆ Lattices.
 Electron-Paramagnetic Resonance and Electron-Nuclear Double
 Resonance Measurements and Multiple Scattering Xα Calculations
J. Chem. Phys. 91, 6650-6656 (1989)
152. Stuart M. Jacobsen, Markus Herren and Hans U. Güdel
 Energy Transfer in Titanium (II) Doped Magnesium Chloride
J. Luminescence 45, 369-372 (1990)
153. Richard L. Carlin, K. E. Merabet, D. P. Shum, Jacques Darriet and
 Hans U. Güdel
 Superexchange Interaction in Dimeric Cs₃Yb₂Br₉
J. Appl. Phys. 67, 5855-5856 (1990)
154. P. Stanley May and Hans U. Güdel
 Infrared Luminescence Properties of Ni²⁺ in Various Chloride Lattices:
 CsCdCl₃, CsMgCl₃, CdCl₂ and MgCl₂
J. Luminescence 46, 277-290 (1990)
155. P. Stanley May and Hans U. Güdel
 Higher-Excited State Luminescence of Ni²⁺ in Various Chloride Lattices:
 CsCdCl₃, CsMgCl₃, CdCl₂ and MgCl₂
Chem. Phys. Lett. 164, 612-616 (1989)
156. Stephan Brönnimann, Arne Zilian, Hans U. Güdel and Andreas Ludi
 Absorption and Emission Spectra of Tris-(2,3-Diamino-
 2,3-Dimethylbutane) Chromium(III)
Inorg. Chim. Acta 173, 159-162 (1990)

156. I. N. Flerov, W. Bührer, M. V. Gorev, H. U. Güdel and A. E. Usachev
 A. Thermodynamic Properties of Bromo-Elpasolites $\text{Cs}_2\text{NaYBr}_6$ and $\text{Cs}_2\text{NaTmBr}_6$
J. Phys. : Condens. Matter 2, 9019-9023 (1990)
157. Mirco G. Colombo, Arne Zilian and Hans U. Güdel
 Luminescence Line Narrowing, a Highly Specific Probe of Excited States
 in Rhodium(III) Mixed Chelate Complexes
J. Am. Chem. Soc. 112, 4581-4582 (1990)
158. Hans U. Güdel, Albert Furrer and Herma Blank
 Exchange Interactions in Rare Earth Dimers.
 Neutron Spectroscopy of $\text{Cs}_3\text{Yb}_2\text{Cl}_9$ and $\text{Cs}_3\text{Yb}_2\text{Br}_9$
Inorg. Chem. 29, 4081-4084 (1990)
159. Christian Reber and Hans U. Güdel
 Nonradiative Relaxation Processes in V^{3+} doped Halide and Oxide Lattices
J. Luminescence 47, 7-18 (1990)
160. P. Stanley May and Hans U. Güdel
 One- and Two-Color Sequential Two-photon Excitation of Visible Ni^{2+}
 Luminescence in $\text{Ni}^{2+}:\text{CsCdCl}_3$
J. Luminescence 47, 19-25 (1990)
161. F. Rodriguez, H. Riesen and H. U. Güdel
 Luminescence Properties of Mn^{2+} in KMgF_3 and KZnF_3 Perovskite
 Crystals. Evidence of Dynamical Jahn Teller Effect
J. Luminescence 50, 101-110 (1991)
162. Mirco G. Colombo, Arne Zilian and Hans U. Güdel
 Luminescence of Rh(III) Chelate Complexes:
 Line Narrowing and the Influence of Host and Temperature
J. Luminescence 48 & 49, 549-552 (1991)
163. Ueli Oetliker and Hans U. Güdel
 Optical Spectroscopic Properties of the Pure Hexagonal V^{3+} Halide
 Elpasolites: $\text{Cs}_2\text{LiVBr}_6$, $\text{Cs}_2\text{LiVCl}_6$ and $\text{Rb}_2\text{LiVCl}_6$
J. Luminescence 48 & 49, 584-588 (1991)

164. Thomas Karlen, Andreas Ludi, Hans Riesen and Hans U. Güdel
 One-Dimensional Migration of $^3\text{MLCT}$ Excitation Energy in Pd(II)
 (phbpy)Cl (phbpy = 6-phenyl-2,2'-bipyridine)
Inorg. Chem. 30, 2249-2250 (1991)
165. Markus Herren, Stuart M. Jacobsen and Hans U. Güdel
 Selective Excitation of Ti^{2+} Dimers and Trimers in MgCl_2
Inorg. Chem. 30, 1656-1660 (1991)
166. Hans U. Güdel
 Comment on the Nature of the Light-Induced Metastable States in
 Nitroprussides
Chem. Phys. Lett. 175, 262-266 (1990)
167. M. P. Hehlen, H. Riesen and H. U. Güdel
 Synthesis and Spectroscopic Properties of Praseodymium-(III)-Acetate-Monohydrate
Inorg. Chem. 30, 2273-2277, (1991)
168. P. Stanley May and Hans U. Güdel
 A Previously Unobserved Luminescence of Ni^{2+} in $\text{Ni}^{2+}:\text{KMgF}_3$ and
 $\text{Ni}^{2+}:\text{KZnF}_3$
Chem. Phys. Lett. 175, 488-492 (1990)
169. M. Rüdlinger, J. Schefer, G. Chevrier, H. U. Güdel, S. Haussühl, G. Heger,
 P. Schweiss, T. Vogt, T. Woike and H. Zöllner
 Light-Induced Structural Changes in Sodiumnitroprusside
 $(\text{Na}_2(\text{Fe}(\text{CN})_5\text{NO}) \cdot 2\text{D}_2\text{O})$ at 80K
Z. Phys. B - Condensed Matter 83, 125-130 (1991)
170. Hans U. Güdel
 Magnetic and optical excitations in clusters
 in "Magnetic Molecular Materials"
 D. Gatteschi, O. Kahn, J. S. Miller and F. Palacio (eds.)
 Kluwer Academic Publishers, Dordrecht
 NATO ASI Series, E198, 333-352 (1991)

171. A. Dönni, P. Fischer, A. Furrer, J. K. Cockcroft and H. U. Güdel
 Temperature Dependent Structure and Anisotropic Debye-Waller Factors
 of the Dimer Compound $\text{Cs}_3\text{Ho}_2\text{Br}_9$
J. Solid State Chem. 93, 119-127 (1991)
172. Karl Krämer, Gerd Meyer, Peter Fischer, Alan W. Hewat and
 Hans U. Güdel
 Neutron Diffraction Investigation of Magnetic Phase Transitions to Long-
 Range Antiferromagnetic Ordering in the "Free-Electron" Praseodymium
 Halides Pr_2X_5 ($\text{X}=\text{Br}, \text{I}$)
J. Solid State Chem. 95, 1-13 (1991)
173. F. Palacio, R. L. Carlin, A. J. van Duyneveldt, A. J. Epstein, H. U. Güdel,
 C. P. Landee and J. Schweizer
 Physical Investigation on Molecular Materials
 in "Magnetic Molecular Materials",
 D. Gatteschi, O. Kahn, J. S. Miller and F. Palacio (eds.)
 Kluwer Academic Publishers, Dordrecht
 NATO ASI Series, E198, 389-393 (1991)
174. Markus Herren, Michael A. Aebersold, Bernard Briat and Hans U. Güdel
 Double Excitations of $\text{Ti}^{2+}\text{Mn}^{2+}$ Spin Clusters in MgCl_2 , MnCl_2 and MnBr_2
Inorg. Chem. 30, 3280-3282 (1991)
175. Markus P. Hehlen and Hans U. Güdel
 Synthesis and Spectroscopic Properties of Praseodymium-(III)-Acetate-
 Monohydrate
Eur. J. Solid State Inorg. Chem. 28, 131-134 (1991)
176. Michael A. Aebersold, Herma Blank, Bernard Briat, Albert Furrer and
 Hans U. Güdel
 Inelastic Neutron Scattering and Optical Absorption Spectroscopy of the
 $\text{Ti}^{2+}(\text{Mn}^{2+})_6$ Spin Cluster in Ti^{2+} Doped MnBr_2 and MnCl_2
Inorg. Chem. 30, 3556-3562 (1991)

177. P. Stanley May and Hans U. Güdel
Radiative and Non-radiative Processes Affecting Higher-Excited State
Luminescence of Ni^{2+} in Several Chloride Lattices
J. Chem. Phys. 95, 6343-6354 (1991)
178. Michael Aebersold, Hans U. Güdel, Albert Furrer and Herma Blank
Inelastic Neutron Scattering of Mixed Dimers YbMBr_9^{3-} ($\text{M}=\text{Dy}^{3+}, \text{Cr}^{3+}$)
Physica B 180 & 181, 206-208 (1992)
179. Arne Zilian and Hans U. Güdel
Excited State Properties and Energy Migration in
[RhL₂(2,2'-bipyridine)]PF₆ (L=2-phenylpyridine or 2-thienylpyridine
anion)
Inorg. Chem. 31, 830-835 (1992)
180. Hans Riesen, Elmars Krausz, Arne Zilian and Hans U. Güdel
Hole-burning and Resonant Luminescence Line-Narrowing of
[Rh(phpy)₂bpy]⁺ in Glassy Matrices
Chem. Phys. Lett. 182, 271-274 (1991)
181. Markus Herren, Hans U. Güdel, Christa Albrecht and Dirk Reinen
High-Resolution Near-Infrared Luminescence of Manganese(V) in
Tetrahedral Oxo Coordination
Chem. Phys. Lett. 183, 98-102 (1991)
182. P. Stanley May and Hans U. Güdel
Radiative and Nonradiative Processes Involving Higher-Excited States of
 Ni^{2+} in Various Chloride Lattices
in "OSA Proceedings on Advanced Solid-State Lasers",
Hans P. Jenssen and George Dubé (eds.)
Optical Society of America, Washington
OSA Proceedings Series, Vol. 6, 384-386, (1991)

183. C. J. Gomez-Garcia, E. Coronado, J. J. Borras-Almenar, M. Aebersold, H. U. Güdel and H. Mutka
Magnetic Excitations in an Exchange-coupled Tetramer Cluster of Cobalt(II). A Study by Inelastic Neutron Scattering
Physica B 180 & 181, 238-240 (1992)
184. Arne Zilian and Hans U. Güdel
Zeeman Spectra of a Rhodium(III) Tris Chelate Complex
J. Luminescence 51, 237-247 (1992)
185. Arne Zilian and Hans U. Güdel
High Resolution Spectroscopy of Cyclometalated Rh(III) Complexes
Coord. Chem. Rev. 111, 33-38 (1991)
186. U. Oetliker, M. J. Riley, P. S. May and H. U. Güdel
Excited State Dynamics in Ni^{2+} doped CsCdCl_3 : Excitation Avalanche
Coord. Chem. Rev. 111 125-130 (1991)
187. Markus Herren, Toni Riedener, Hans U. Güdel, Christa Albrecht, Ute Kaschuba and Dirk Reinen
Near-Infrared Luminescence of Manganate(V) Doped Phosphates and Vanadates
J. Luminescence 53, 452-456 (1992)
188. Ueli Oetliker, Mark J. Riley, Stanley May and Hans U. Güdel
Excitation Avalanche in Ni^{2+} doped CsCdCl_3
J. Luminescence 53, 553-556 (1992)
189. Hans Riesen, Elmars Krausz, Werner Luginbühl, Margret Biner, Hans U. Güdel and Andreas Ludi
Luminescence and Excitation Spectroscopy of Ruthenocene
J. Chem. Phys. 96, 4131-4135 (1992)

190. Robert Stranger, Grainne Moran, Elmars Krausz, Hans U. Güdel and Naomi Furer
Optical Study of the Near-Infrared Emission and Absorption in the Strongly Exchange Coupled Dimer $\text{Cs}_3\text{Mo}_2\text{Cl}_9$
Inorg. Chem. 31, 2860-2864 (1992)
191. Mark J. Riley and Hans U. Güdel
Non-Adiabatic Processes: Non-Orthogonal Basis Sets
J. Luminescence 53, 490-494 (1992)
192. Gabriela Frei, Arne Zilian, Andrea Raselli, Hans U. Güdel and Hans-Beat Bürgi
Structure and Optical Spectroscopy of $[\text{Rh}(2\text{-phenylpyridine})_2(2,2'\text{-bipyridine})\text{PF}_6]$ and Related Complexes
Inorg. Chem. 31, 4766-4773 (1992)
193. Alexander D. Kirk and Hans U. Güdel
Low Temperature Emission and Absorption Spectra of trans and cis - [Chromium(1,4,8,11-tetraazacyclotetradecane)bisammine] Salts
Inorg. Chem. 31, 4564-4569 (1992)
194. L. Keller, K. Krämer, P. Fischer, A. Furrer, G. Meyer, H. U. Güdel and A. W. Hewat
Structure and magnetic ordering of the "free-electron" rare-earth halides RE_2X_5 ($\text{RE}=\text{Ce}, \text{Pr}$; $\text{X}=\text{Br}, \text{I}$)
J. Magn. Magn. Mater. 104-107, 1201-1203 (1992)

196. Mark J. Riley, Hans U. Güdel and Andrew H. Norton
 Vibronic coupling in trimers.
 Statics: The effects of second-order vibronic coupling
Chem. Phys. 166, 19-34 (1992)
197. Gabriela Frei, Mirco G. Colombo and Hans U. Güdel
 High-Resolution Optical Spectroscopy of Coordination Compounds
 in "Perspectives in Coordination Chemistry";
 A. F. Williams, C. Floriani, A. E. Merbach (eds.)
 Verlag Helv. Chim. Acta, 183-201 (1992)
198. Markus Herren and Hans U. Güdel
 Site-Selective Spectroscopy of $Ti^{2+}V^{2+}$, $Ti^{2+}V^{2+}V^{2+}$,
 $Ti^{2+}Ti^{2+}V^{2+}$ and $Ti^{2+}Ti^{2+}$ Spin Clusters in Magnesium Chloride
J. Luminescence 54, 209-220 (1992)
199. Markus Herren and Hans U. Güdel
 Ferrate(VI), a Novel Near-Infrared Luminophore
Inorg. Chem. 31, 3683-3684 (1992)
200. M. Rüdlinger, J. Schefer, P. Fischer, N. Furer and H. U. Güdel
 Temperature-Dependence of the Crystal Structure of $K_2[RuCl_5NO]$:
 A Powder Neutron Diffraction Study
J. Solid State Chem. 103, 170-175 (1993)
201. Karl Krämer, Lukas Keller, Peter Fischer, Bernd Jung,
 Normann N. Edelstein, Hans-U. Güdel and Gerd Meyer
 Magnetic and Crystal Structure Determination of K_2UBr_5
J. Solid State Chem. 103, 152-159 (1993)
202. C. P. M. Giesbergen, R. Sitters, M. Glasbeek, G. Frei, A. Zilian and
 H. U. Güdel
 Excitation Localization in Mixed Rhodium-Chelates
Chem. Phys. Lett. 197, 451-456 (1992)

203. Mark J. Riley, Alan Furlan, Hans U. Güdel and Samuel Leutwyler
A Trimer Vibronic Coupling Model for Triptycene:
The Jahn-Teller and Barnett Effects
J. Chem. Phys. 98, 3803-3815 (1993)
204. Markus P. Hehlen and Hans U Güdel
Optical Spectroscopy of the Dimer System $\text{Cs}_3\text{Yb}_2\text{Br}_9$
J. Chem. Phys. 98, 1768 - 1775 (1993)
205. Claude Daul, Hans-Ulrich Güdel and Jacques Weber
A Density Functional Investigation of the Ground- and Excited-State
Properties of Ruthenocene
J. Chem. Phys. 98, 4023-4029 (1993)
206. Arne Zilian, Gabriela Frei and Hans U. Güdel
High-Resolution Laser Spectroscopy of Cyclometalated Rh(III)-
Thienylpyridine Complexes
Chemical Physics 173, 513-523 (1993)
207. Alan Furlan, Thomas Fischer, Peter Flückiger, Hans-Ulrich Güdel,
Samuel Leutwyler, Hans Peter Lüthi, Mark J. Riley and Jacques Weber
Low-Frequency Vibrations of Triptycene
J. Phys. Chem. 96, 10713-10719 (1992)
208. Mirco G. Colombo and Hans U. Güdel
Synthesis and High Resolution Optical Spectroscopy of
bis (2-(2-thienyl)pyridinato-C³,N') (2,2'-bipyridine) Iridium(III)
Inorg. Chem. 32, 3081-3087 (1993)
209. Mirco G. Colombo, Andreas Hauser and Hans U. Güdel
Evidence for a Strong Mixing Between the LC and MLCT Excited States
in bis(2-phenylpyridinato-C²,N') 2,2'-bipyridine Iridium(III)
Inorg. Chem. 32, 3088-3092 (1993)

210. Alberto Juris, Vincenzo Balzani, Sebastiano Campagna, Gianfranco Denti, Scolastica Serroni, Gabriela Frei and Hans U. Güdel
 Near Infrared Luminescence of Supramolecular Species Made of Os(II) and/or Ru(II)-polypyridine components
Inorg. Chem. 33, 1491-1496 (1994)
211. Mirco G. Colombo, Andreas Hauser and Hans U. Güdel
 Competition Between Ligand Centred and Charge Transfer Lowest Excited States in bis Cyclometalated Rh³⁺ and Ir³⁺ Complexes
 in "Electronic and Vibronic Spectra of Transition Metal Complexes I"
 H. Yersin (ed.)
 Springer Berlag, Berlin
Topics in Current Chemistry 171, 143-171 (1994)
212. Mirco G. Colombo, Thomas C. Brunold, Toni Riedener and Hans U. Güdel
 Facial tris cyclometalated Rh³⁺ and Ir³⁺ complexes:
 Their synthesis, structure and optical spectroscopic properties
Inorg. Chem. 33, 545-550 (1994)
213. M. A. Aebersold, H. U. Güdel, A. Hauser, A. Furer, H. Blank and R. Kahn
 Exchange Interactions in Mixed Yb³⁺-Cr³⁺ and Yb³⁺-Ho³⁺ Dimers.
 An Inelastic Neutron Scattering Investigation of Cs₃Yb_{1.8}Cr_{0.2}Br₉ and Cs₃Yb_{1.8}Ho_{0.2}Br₉
Phys. Rev. B 48, 12723-12731 (1993)
214. M. A. Aebersold, H. U. Güdel, A. Furrer and H. Blank
 Inelastic Neutron Scattering and Optical Spectroscopy of Dy³⁺ Single Ions and Dimers in Cs₃Y₂Br₉:10%Dy³⁺ and Cs₃Dy₂Br₉
Inorg. Chem. 33, 1133-1138 (1994)
215. Karl Krämer and Hans-U. Güdel
 Upconversion Luminescence in K₂LaX₅:Er³⁺(X=Cl,Br)
J. Alloys Comp. 207/208, 128-132 (1994)

216. K. Krämer, H. U. Güdel, L. Keller, P. Fischer
 Magnetic Properties and Crystal Field Splitting in K_2UX_5 (X=Cl,Br,I)
 Swiss Neutron News, 3, 29-34 (1993)
217. M. C. Marco de Lucas, F. Rodriguez, H. U. Güdel and N. Furér
 Optical Properties of the $MnCl_6^{4-}$ Complex Formed in $ABCl_3:Mn^{2+}$
 Pseudoperovskite Crystals. Influence of the Chemical Pressure
 J. Luminescence 60 & 61, 581-584 (1994)
218. Markus P. Hehlen, Karl Krämer and Hans U. Güdel
 NIR to VIS/UV Upconversion in $Cs_3Er_2X_9$ (X=Cl, Br, I)
 J. Luminescence 60 & 61, 142-144 (1994)
219. Thomas Brunold, Markus Herren, Ueli Oetliker, Hans-Ueli Güdel,
 Ute Kesper, Christa Abrecht and Dirk Reinen
 Spectroscopy of CrO_4^{4-} , MnO_4^{3-} and FeO_4^{2-} :
 New (3D)2 Luminophores in the NIR
 J. Luminescence 60 & 61, 138-141 (1994)
220. C. P. M. Giesbergen, C. Terletski, G. Frei, H. U. Güdel and M. Glasbeek
 Optically Detected Magnetic Resonance Spectroscopy of Rhodium(III)
 Mixed-Chelate Complexes
 Chem. Phys. Lett. 213, 597-602 (1993)
221. Thomas C. Brunold, Andreas Hauser and Hans U. Güdel
 Absorption and Luminescence Spectroscopy of Ferrate(VI) Doped into
 Crystals of K_2MO_4 (M=S,Se,Cr,Mo)
 J. Luminescence 59, 321-332 (1994)

222. Ueli Oetliker and Hans-Ueli Güdel
 Optical Spectroscopy of Pd²⁺ Doped CsMgCl₃ and CsCdCl₃
J. Luminescence 58, 350-352 (1994)
223. Markus P. Hehlen, Karl Krämer, Hans U. Güdel, Ross A. McFarlane and Robert N. Schwartz
 Upconversion in Er³⁺ dimer systems. Trends within the series Cs₃Er₂X₉ (X=Cl,Br,I)
Phys. Rev. B 49, 12475-12484 (1994)
224. Hans U. Güdel
 Magnetic Excitations in Rare Earth Dimers. High-Resolution Inelastic Neutron Scattering
ILL Annual Report 1994, 92-95 (1995)
225. Ueli Oetliker, Markus Herren, Hans U. Güdel, Ute Kesper, Christa Albrecht and Dirk Reinen
 Luminescence Properties of Mn⁵⁺ in a Variety of Host Lattices: Effects of Chemical and Structural Variation
J. Chem. Phys. 100, 8656 - 8665 (1994)
226. Karl Krämer, Hans U. Güdel, Gerd Meyer, Thorsten Heuer, Norman N. Edelstein, Bernd Jung, Lukas Keller, Peter Fischer, Eugeniusz Zych and Janusz Drozdzyński
 Synthesis, Crystal Structure, Magnetism and Absorption Spectra of A₂UX₅ Type Halides (A=K,Rb; Cl,Br,I)
Z. anorg. allg. Chemie 620, 1339-1345 (1994)
227. M. P. Hehlen, H. U. Güdel, Q. Shu, J. Rai and S. C. Rand
 Cooperative Bistability in Dense, Excited Atomic Systems
Phys. Rev. Lett. 73, 1103-1106 (1994)
228. P. J. Deren, W. Strek, U. Oetliker and H. U. Güdel
 Spectroscopic Properties of Co²⁺ Ions in MgAl₂O₄ Spinels
Phys. Stat. Sol. B 182, 241-251 (1994)

229. Markus P. Hehlen, Hans U. Güdel, John R. Quagliano
 Electronic Energy-Level Structure and Correlation Crystal Field
 Effects of Er³⁺ in Cs₃Lu₂Br₉
J. Chem. Phys. 101, 10303-10312 (1994)
230. Markus P. Hehlen, G. Frei, Hans U. Güdel
 Dynamics of Infrared-to-Visible Upconversion in Cs₃Lu₂Br₉: 1% Er³⁺
Phys. Rev. B 50, 16264-16273 (1994)
231. Toni Riedener, Hans U. Güdel, George C. Valley and Ross A. McFarlane
 Infrared to Visible Upconversion in Cs₃Yb₂Cl₉ : Tm³⁺
J. Lumin. 63, 327-337 (1995)
232. Ueli Oetliker, Mark J. Riley and Hans U. Güdel
 Excited State Spectroscopy of Ni²⁺ Doped Chloride and Fluoride Lattices
J. Lumin. 63, 63-73 (1995)
233. M. F. Hazenkamp, H. U. Güdel, U. Kesper and D. Reinen
 Comment on "Room-Temperature Line Emission at 1.2 μm from
 Chromium-Activated Barium Ortho-Titanate" by R.G.Pappalardo et al.
J. Lumin. 63, 177-181 (1995)
234. B. Wagner, D. Reinen, Th. C. Brunold and H. U. Güdel
 Iron(VI) in Tetrahedral Oxo-Coordination - a single crystal EPR Study
Inorg. Chem. 34, 1934-1942 (1995)
235. M. C. Marco de Lucas, F. Rodriguez, C. Prieto, M. Verdaguer, M. Moreno
 and H. U. Güdel
 Optical Properties and Local Structure of MnCl₆⁴⁻ in ABCL₃: Mn²⁺
 Radiation. Effects and Defects in Solids 135, 95-100 (1995)
236. Hans U. Güdel
 Magnetic Excitations in Polynuclear Transition Metal Complexes
 in "Magnetic Neutron Scattering", A. Furrer (Editor)
 World Scientific Publishing Co., Singapore, 191-200, (1995)

237. M. C. Marco de Lucas, F. Rodriguez, C. Prieto, M. Verdaguer and H. U. Güdel
 Local Structure Determination of Mn²⁺ in the ABCL₃ : Mn²⁺ Chloroperovskites by EXAFS and Optical Spectroscopy
J. Phys. Chem. Solids 56, 995-1001 (1995) and
J. Phys. Chem. Solids 58, 1177 (1997): Erratum
238. L. Keller, A. Furrer, P. Fischer, P. Allenspach, K. Krämer, H. U. Güdel
 A. Dönni, and T. Suzuki
 Magnetic Phase Transitions and Crystal-Field Splitting in K₂UX₅
 (X=Cl, Br, I)
Phys. Rev. B 51, 2881-2890 (1995)
239. C. M. P. Giesbergen, R. Middelhoek, G. Frei, H. U. Güdel and M. Glasbeek
 Picosecond Studies of Energy Transfer in Photo-Excited Mixed Organometal Chelates
J. Phys. Chem. 99, 8177-8181 (1995)
240. Khalid Bellafrouh, Claude Daul, Hans U. Güdel, François Gilardoni and Jacques Weber
 Density-Functional Investigation of the Excited State Properties and the Jahn-Teller Effect in [CrX₆]³⁻ (X=Cl, Br)
Theoretica Chimica Acta, 91, 215-224 (1995)
241. Frederik W. M. Vanhelmont, Geoffrey F. Strouse and Hans U. Güdel
 Synthesis and High Resolution Spectroscopy of the Cyclometalated Complex [Re(CO)₄(ppy)] ppy=2-phenylpyridine
 in "Current Trends in Coordination Chemistry" G.Ondrejovic and A.Sirota (editors)
 Slovak Techn. University Press, Bratislava, 343-346 (1995)
242. M. F. Hazenkamp, U. Oetliker, H. U. Güdel, U. Kesper and D. Reinen
 Absorption and Luminescence Spectroscopy of Cr⁴⁺ doped Ca₂GeO₄, a Potential NIR Laser Material
Chem. Phys. Lett. 233, 466-470 (1995)

243. Geoffrey F. Strouse, Hans U. Güdel, Valerio Bertolaso and Valeria Ferretti
 Optical Spectroscopy of Single Crystal $[Re(bpy)CCO]_4(PF_6)$:
 Mixing Between Charge Transfer and Ligand Centered Excited States
Inorg. Chem. 34, 5578-5587 (1995)
- 243A. J. van 't Spijker, P. Dorenbos, J. de Haas, C. van Eijk, H. U. Güdel and K. Krämer
 Scintillation Properties of K_2LaCl_5 with Ce Doping
Radiation Measurements, 24, 379-381 (1995)
244. Toni Riedener, Karl Krämer and Hans U. Güdel
 Upconversion Luminescence in Er^{3+} Doped $RbGd_2Cl_7$ and $RbGd_2Br_7$
Inorg. Chem. 34, 2745-2752 (1995)
245. A. D. Kirk, P. Hoggard and Hans U. Güdel
 Low-temperature Doublet Luminescence and Absorption Spectra of Multidentate Hexaam(m)ine Cr(III) Complexes. Effects of Ligand Induced Distortion from O_h Symmetry
Inorg. Chim. Acta 238, 45-55 (1995)
246. Thomas C. Brunold, Menno F. Hazenkamp, Hans U. Güdel
 Manganate(VI), A Novel Near-Infrared Broadband Emitter
J. Am. Chem. Soc. 117, 5598-5599 (1995)
247. Geoffrey F. Strouse and Hans U. Güdel
 High Resolution of the Lowest Excited State in Re^I Tetra-carbonyl Complexes
Inorg. Chim. Acta 240, 453-464 (1995)
248. M. P. Hehlen, H. U. Güdel, Q. Shu, J. Rai and S. C. Rand
 Cooperative Optical Bistability in the Dimer system $Cs_3Y_2Br_9:10\% Yb^{3+}$
J. Chem. Phys. 104, 1232-1244 (1996)
249. Hans U. Güdel and Høgni Weihe
 Optical Spectroscopy
 in "Molecular Magnetism", E. Coronado et al (editors),
 Kluwer Academic Publishers, Dordrecht
NATO ASI Series, E321, 173-197 (1996)

250. Hans U. Güdel
 Inelastic Neutron Scattering
 in "Molecular Magnetism", E. Coronado et al (editors),
 Kluwer Academic Publishers, Dordrecht
 NATO ASI Series, E321, 229-242, (1996)
251. Thomas C. Brunold, Hans U. Güdel, Stefan Kück and Günther Huber
 Excited State Properties of Ferrate(VI) doped crystals of K_2SO_4 and
 K_2CrO_4
J. Lumin. 65, 293-301 (1996)
252. Hans U. Güdel
 Magnetic Excitations in Transition Metal and Rare Earth Metal Dimers
Neutron News 7, 24-28 (1996)
253. M. Pollnau, W. Lüthy, H. P. Weber, K. Krämer, H. U. Güdel and
 R. A. McFarlane
 Excited-State Absorption in Er: BaY_2F_8 , and $Cs_3Er_2Br_9$ and Comparison to
 $Er:LiYF_4$
Appl. Phys. B 62, 339-344 (1996)
254. M. F. Hazenkamp and H. U. Güdel
 Near Infrared Luminescence of Chromium(V) doped Li_3PO_4
Chem. Phys. Lett. 251, 301-304 (1996)
255. M. F. Hazenkamp, H. U. Güdel, M. Atanasov, U. Kesper and D. Reinen
 Optical Spectroscopy of Cr^{4+} doped Ca_2GeO_4 and Mg_2SiO_4
Phys. Rev. B 53, 2367-2377 (1996)
256. François Gilardoni, Jacques Weber, Khalid Bellafruh, Claude Daul
 and Hans U. Güdel
 Excited State Properties of Cr^{3+} in Cs_2NaYCl_6 and Cs_2NaYBr_6 .
 A Density Functional Study.
J. Chem. Phys. 104, 7624-7632 (1996)

257. Thomas Brunold and Hans U. Güdel
 Near-infrared emission from MnO₄²⁻ in various host lattices
Chem. Phys. Lett. 249, 77-80 (1996)
258. Karl Krämer, Harald Romstedt, Hans-Ulrich Güdel, Peter Fischer,
 Andrej Murasik and Maria Teresa Fernandez-Diaz
 Three Dimensional Magnetic Structure of ErF₃
Eur. J. Solid State Inorg. Chem. 33, 273-283 (1996)
259. A. D. Kirk, N. Furer and H. U. Güdel
 Transition Metal Sensitizers of Thulium Luminescence
 and Up-Conversion
J. Lum. 68, 77-89 (1996)
260. M. Pollnau, W. Lüthy, H.P. Weber, K. Krämer, H.U. Güdel and R.A.
 McFarlane
 Excited-State Dynamics in the Low-phonon Materials Er³⁺: BaY₂F₈ and
 Cs₃Er₂Br₉
 in "Advanced Solid State Lasers", S. Payne and C. Pollock (editors),
 OSA Trends in Optics and Photonics Series, Vol. I, 493-497 (1996)
261. Thomas C. Brunold, Menno F. Hazenkamp and Hans U. Güdel
 CrO₄³⁻ and MnO₄²⁻: Broadband Emitters in the NIR and Potential
 Laser Systems
 in "Advanced Solid State Lasers", S. Payne and C. Pollock (editors),
 OSA Trends in Optics and Photonics Series, Vol. I, 474-477 (1996)
262. M. F. Hazenkamp and H. U. Güdel
 Luminescence Properties of Solids
Current Opinion in Solid State & Materials Science, 1, 177-182 (1996)
263. Thomas C. Brunold, Hans U. Güdel and Enrico Cavalli
 Absorption and Luminescence Spectroscopy of Zn₂SiO₄, Willemite
 Crystals Doped with Co²⁺
Chem. Phys. Lett. 252, 112-120 (1996)

264. Mathias S. Wickleder, Hans U. Güdel, Thomas Armbruster and Gerd Meyer
 Eine Strukturvariante zum NaErCl₄/α-NiWO₄-Typ für ternäre Selten-erd-Chloride vom Typ NaMCl₄: Synthese und Kristallstruktur von NaLuCl₄
Z. anorg. allg. Chem. 622, 785-789 (1996)
265. Høgni Weihe and Hans U. Güdel
 Kinetic Exchange: a Source to Strong Ferromagnetic Interactions
Chem. Phys. Lett. 261, 123-128 (1996)
266. H. P. Andres, K. Krämer, H. U. Güdel
 Optical Absorption and Luminescence Spectroscopy of U³⁺ in K₂LaX₅ (X=Cl,Br,I)
Phys. Rev. B 54, 3830-3840 (1996)
267. Thomas C. Brunold, Hans U. Güdel and Mark J. Riley
 Jahn-Teller Effect in the Ground and Excited States of MnO₄²⁻ Doped into Cs₂SO₄
J. Chem. Phys. 105, 7931-7941 (1996)
268. Philipp Egger, Peter Rogin, Toni Riedener, Hans-Ulrich Güdel, Mathias Wickleder, Jürg Hulliger
 Ba₂ErCl₇ - a New Near IR to Near UV Upconversion Material
Adv. Mater. 8, 668-672 (1996)
269. J. van 't Spijker, P. Dorenbos, C. van Eijk, H. U. Güdel and K. Krämer
 Scintillation Mechanism of K₂LaCl₅ doped with Ce
 Proceedings of the International Conference on Inorganic Scintillators and Their Applications, SCINT95; P. Dorenbos, C. W. E. van Eijk (eds.), Delft University Press, 411-414 (1996)
270. M. S. Wickleder, P. Egger, T. Riedener, N. Furer, H. U. Güdel and J. Hulliger
 Synthesis and Crystal Structure of the New Ternary Halide Series Ba₂MCl₇ (M=Gd-Yb, Y) Containing the Highly Efficient Upconversion Material Ba₂ErCl₇
Chem. Mater. 8, 2828-2831 (1996)

271. Thomas C. Brunold and Hans U. Güdel
Absorption and Luminescence Spectroscopy of Manganese Doped BaSO₄
Crystals
Chem. Phys. Lett. 257, 123-129 (1996)
272. M. F. Hazenkamp and H. U. Güdel
Luminescence Properties of Chromium(V) Doped into Various Host
Lattices
J. Lumin. 69, 235-244 (1996)