

List of Publications of Prof. Dr. W. Haase

1961 - 1970

1. **Vorläufige Mitteilung über die Kristallstruktur von o-Jodbenzoesäure**
J. Krauß, W. Haase
Z. Chem. 1, 92 (1961).
2. **Kristallstrukturuntersuchungen an Fluorverbindungen der 5. Hauptgruppe 1.**
Mitteilung: Die Kristallstruktur des Kalium-, Rubidium- und
Ammoniumtetrafluoroarsenats
H. Dunken, W. Haase
Z. Chem. 3, 433 - 434 (1963).
3. **Kristallstrukturuntersuchungen an Fluorverbindungen der Elemente der 5.**
Hauptgruppe 2. Mitteilung: Zur Kristallstruktur des Pyridiniumtetrafluoroarsenats
H. Dunken, W. Haase
Z. Chem. 4, 156 - 157 (1964).
4. **Kristallstrukturuntersuchungen an Fluorverbindungen der Elemente der 5.**
Hauptgruppe 3. Mitteilung: Zur Kristallstruktur des Nitrontetrafluoroarsenats
H. Dunken, W. Haase
Z. Chem. 4, 193 - 194 (1964).
5. **Beiträge zur Kristallchemie der Hydroxofluorokomplexe von Arsen und Antimon**
W. Haase
Chem. Zvesti 19, 167 - 171 (1965).
6. **Kristallstrukturuntersuchungen an Fluorverbindungen der V. Hauptgruppe 4.**
Mitteilung: Die Kristallstruktur von Kaliumdihydroxotetrafluoroarsenat
H. Dunken, W. Haase, F. Schönherr
Z. Chem. 7, 399 - 400 (1967).
7. **Kristallstrukturuntersuchungen an Fluorverbindungen der V. Hauptgruppe 5.**
Mitteilung: Zur Kristallstruktur von Kaliummonohydroxopentafluoroarsenat
H. Dunken, W. Haase, F. Schönherr
Z. Chem. 7, 442 - 443 (1967).
8. **Die Kristall- und Molekülstruktur von Dichlorodiäthoxytitan(IV)**
W. Haase, H. Hoppe
Acta Cryst. B24, 281 (1968).
9. **Über die Kristallstrukturen von Di-tetraäthylammoniumtetrachlorooxotitan(IV)**
und Di-tetraäthyl-ammonium-tetrachlorooxovanadin(IV)
W. Haase, H. Hoppe
Acta Cryst. B24, 282 (1968).

1971

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10. Ein modifiziertes PPP-Verfahren zur qualitativen Deutung des UV-Spektrums anorganischer Moleküle. Interpretation des Spektrums von Diäthylaminoäthanolobromo-Kupfer(II)
F. A. Popp, W. Haase
Ber. Bunsenges. Phys. Chem. 76, 673 - 679 (1972).
11. Kristallstrukturen und Schwingungsspektren der Arsen(V)- und Antimon(V)-Oxofluorokomplexe
W. Haase
Ber. Bunsenges. Phys. Chem. 76, 1000 - 1007 (1972).

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12. Die Kristall- und Molekülstruktur von Dicäsium- μ -oxodecafluorodiantimonat, $\text{Cs}_2[\text{Sb}_2\text{F}_{10}\text{O}]$
W. Haase
Chem. Ber. 106, 41 - 47 (1973).
13. Die Kristall- und Molekülstruktur von Dicäsium- μ -oxodekafluorodiarsenat
W. Haase
Z. anorg. allg. Chem. 397, 258 - 268 (1973).
14. N-H...O-Brückenbindung bei Dipyridinium-octafluoro-di- μ -oxodiarsenat $(\text{C}_5\text{H}_6\text{N})_2\text{As}_2\text{F}_8\text{O}_2$;
Kristall- und Molekülstruktur
W. Haase
Chem. Ber. 106, 734 - 744 (1973).
15. Tetraedrisch koordinierte Nickel(II)-Komplexe: Strukturen von Dijodo[2-(β -methylaminoäthyl)pyridin]-nickel(II) (A) und Dibromo[2-(β -dimethylaminoäthyl)pyridin]-nickel(II) (B)
W. Haase
Chem. Ber. 106, 2468 - 2478 (1973).
16. Kristall- und Molekülstrukturen von Halogeno(2-diäthylaminoäthanolato-)kupfer(II)-Komplexen
(Halogen: Chlor und Brom)
W. Haase
Chem. Ber. 106, 3132 - 3148 (1973).

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17. Die Kristall- und Molekülstruktur von Jodo-bis-[2-(diphenylphosphinomethyl)pyridin]-nickel(II)-jodid, einem diamagnetischen, quadratisch-pyramidalen Komplex mit d^8 -Konfiguration
W. Haase
Z. anorg. allg. Chem. 404, 273 - 283 (1974).

18. Die Kristallstrukturen von Dirubidium- und Dikalium- μ -oxo-bis-(pentafluorodiarsenat)-Monohydrat, $\text{Rb}_2(\text{As}_2\text{F}_{10}\text{O}) \cdot \text{H}_2\text{O}$ und $\text{K}_2(\text{As}_2\text{F}_{10}\text{O}) \cdot \text{H}_2\text{O}$
W. Haase
Acta Cryst. **B30**, 1722 - 1727 (1974).
19. Die Kristall- und Molekülstruktur von Dicäsium-octafluoro-di- μ -oxo-diarsenat, $\text{Cs}_2(\text{As}_2\text{F}_8\text{O}_2)$, und dreidimensionale Verfeinerung der Strukturen von $\text{K}_2(\text{As}_2\text{F}_8\text{O}_2)$ und $\text{Rb}_2(\text{As}_2\text{F}_8\text{O}_2)$
W. Haase
Chem. Ber. **107**, 1009 - 1018 (1974).
20. Struktur von Tricäsium-cyclo-tri- μ -oxo-tris(tetrafluoroantimonat), $\text{Cs}_3(\text{Sb}_3\text{F}_{12}\text{O}_3)$
W. Haase
Acta Cryst. **B30**, 2465 - 2469 (1974).
21. Dirubidium- μ -oxo-bis(pentafluoroantimonat)
W. Haase
Acta Cryst. **B30**, 2508 - 2510 (1974).

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22. Die Kristall- und Molekülstruktur von β -Bromo(2-diäthylaminoäthanolato)kupfer(II)
R. Mergehenn, L. Merz, W. Haase
Z. Naturforschung **30b**, 14 - 18 (1975).
23. Kristallstrukturen von Chloro- und Bromo-(2-diäthylaminoäthanolato-)zink(II)
W. Haase, R. Mergehenn, R. Allmann
Acta Cryst. **B31**, 1184 - 1186 (1975).
24. Kristallstruktur von \square -Bromo(2-dibutylaminoäthanolato) kupfer(II)
R. Mergehenn, W. Haase
Z. Naturforschung **30b**, 155 - 158 (1975).
25. Kristallstrukturen von Chloro- und \square -Bromo-(2-dibutylaminoäthanolato-)kupfer(II)
R. Mergehenn, W. Haase, R. Allmann
Acta Cryst. **B31**, 1847 - 1853 (1975).

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26. Die Kristallstruktur des tetrameren Cu(II)-Komplexes mit 7-Hydroxy-4-methyl-5-aza-hept-4-en-2-on in β -($\text{C}_7\text{H}_{11}\text{NO}_2\text{Cu}$)₄ \cdot 2 C_6H_6 [β -(CuEIA)₄ \cdot 2 C_6H_6]
R. Mergehenn, L. Merz, W. Haase, R. Allmann
Acta Cryst. (**B32**), 505 - 510 (1976).
27. Crystal Structure of an Adduct of Telluric Acid with Potassium Fluoride, $\text{Te}(\text{OH})_6 \cdot 2 \text{KF}$. A Compound with short O-H...F Hydrogen Bonds
R. Allmann, W. Haase
Inorg. Chem. **15**, 804 - 807 (1976).

28. Die Kristallstruktur von Thiocyanato(2-dimethylaminoäthanolato)kupfer(II)
W. Haase, R. Mergehenn, W. Krell
Z. Naturforschung **31b**, 85 - 89 (1976).
29. Magnetische Eigenschaften tetramerer Halogeno(2-dialkylaminoäthanolato)kupfer(II)-Komplexe vom Kubantyp
L. Merz, W. Haase, G. Keller
Ber. Bunsenges. Phys. Chem. **80**, 305 - 311 (1976).
30. Different temperature dependence of magnetic susceptibility by different molecular complexes of copper(II) with 7-hydroxy-4-methyl-5-aza-hept-4-en-2-on
L. Merz, W. Haase
Z. Naturforschung **31a**, 177 - 182 (1976).
31. Determination of frequency of dielectric isotropy as a function of temperature by light transmission measurements
D. Pötzsch, W. Haase
Phys. Lett. **57A**, 343 - 344 (1976).
32. Nematische Mesophasen als Orientierungsmatrizen in der optischen Absorptionsspektroskopie
H. Wedel, W. Haase
Ber. Bunsenges. Phys. Chem. **80**, 1432 - 1348 (1976).
33. Order parameter temperature dependence of some nematic liquids related to magnetic and optical anisotropies
I. H. Ibrahim, W. Haase
Z. Naturforschung **31a**, 1644 - 1650 (1976).

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34. The application of nematic liquid crystals as anisotropic solvents in the optical absorption spectroscopy for the determination of the polarization of electronic transitions of organic molecules and Cu(II)-complexes
W. Haase, H. Wedel
Mol. Cryst. Liq. Cryst. **38**, 61 - 76 (1977).
35. Light transmission experiments with nematic liquid crystals showing positive and negative dielectric anisotropy
W. Haase, D. Pötzsch
Mol. Cryst. Liq. Cryst. **38**, 77 - 85 (1977).
36. The Crystal Structure of Cyanato(2-dimethylaminoethanolato)-copper(II), $C_5H_{10}N_2O_2Cu$
R. Mergehenn, W. Haase
Acta Cryst. **B33**, 1877 - 1882 (1977).
37. The Crystal Structures of Isocyanato(2-dibutylaminoethanolato)-copper(II) and Isothiocyanato(2-dibutylaminoethanolato)-copper(II)
R. Mergehenn, W. Haase
Acta Cryst. **B33**, 2734 - 2739 (1977).

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38. **The Crystal Structures of Two Modifications of Isocyanato(2-dipropylaminoethanolato)-copper(II)**
L. Merz, W. Haase
Acta Cryst. **B34**, 2128 - 2133 (1978).
39. **Substituted Phenylcyclohexanes and Cyclohexylcyclohexanes. Two New Classes of Liquid Crystals as Anisotropic Solvents in the Optical Absorption Spectroscopy**
H. Wedel, W. Haase
Chem. Phys. Lett. **55**, 96 - 99 (1978).
40. **Crystal and Molecular Structure and Magnetic Properties of Tetrakis[(2-diethylaminoethanolato)-isocyanatocopper(II)]**
L. Merz, W. Haase
J. Chem. Soc., Dalton Trans. **1978**, 1594 – 1598.

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41. **Molecular Properties of Some Nematic Liquids: I. Magnetic Susceptibility Anisotropy and Order Parameter**
I. H. Ibrahim, W. Haase
J. Physique Colloq. **40**, C 3, 164 - 168 (1979).
42. **Molecular Properties of Some Nematic Liquids: II. Refractive Index and Order Parameter**
I. H. Ibrahim, W. Haase
J. Phys. **40**, 191 - 198 (1979).
43. **Structure of an Adduct of Orthotelluric Acid with Urea**
J. Loub, W. Haase, R. Mergehenn
Acta Cryst. **B35**, 3039 - 3041 (1979).

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44. **Exchange interaction in tetrameric oxygen-bridged copper(II) clusters of the cubane type**
L. Merz, W. Haase
J. Chem. Soc., Dalton Trans., 875 – 879 (1980).
45. **Crystal and Molecular Structure and Magnetic Properties of Tetrakis [bromo(2-diethylaminoethanolato)copper(II) Tetrachloromethane], a complex with a Ferromagnetic Ground State**
R. Mergehenn, L. Merz, W. Haase
J. Chem. Soc., Dalton Trans., 1703 – 1709 (1980).

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46. **On the molecular polarizability of nematic liquid crystals**

I. H. Ibrahim, W. Haase
Mol. Cryst. Liq. Cryst. 66, 189 - 198 (1981).

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47. Crystal and Molecular Structure and Magnetic Properties of a Tetrameric Copper(II) Complex with 3-Hydroxy-5-hydroxymethyl-4-(4'-hydroxy-3'-methyl-4'-phenyl-2'-aza-but-1'-en-1'-yl)-2-methyl-pyridine(H_2L): $[Cu_4L_4] \cdot 8 MeOH$, a Complex with a Ferromagnetic Ground State
J.-P. Laurent, J.-J. Bonnet, F. Nepveu, H. Astheimer, L. Walz, W. Haase
J. Chem. Soc., Dalton Trans., 2433 – 2438 (1982).

48. The determination of solubilities of pleochroic dyes in nematic phases
J.K. Foitzik, W. Haase
Mol. Cryst. Liq. Cryst. (Lett.) 82, 131 - 137 (1982).

1983

49. Structural and magnetic investigations on model Cu_4O_4 -cubane like clusters
W. Haase, L. Walz, F. Nepveu
In: The Coordination Chemistry of Metalloenzymes, Editors: I. Bertini, R.S. Drago, and C. Luchinat, D. Reidel Publish. Company, pp. 229 – 234 (1983).

50. Crystal and Molecular Structure and Magnetic Properties of a Tetrameric Copper(II) Complex with 3-Hydroxy-4-[4'-(3'',4''-dichlorophenyl)-4'-hydroxy-2'-azabut-1'-en-1'-yl]-5-hydroxy-methyl-2-methylpyridine (H_2L^2), $[(CuL^2)_4] \cdot 9 CH_3OH$
L. Walz, H. Paulus, W. Haase, H. Langhof, F. Nepveu
J. Chem. Soc., Dalton Trans., 657 – 664 (1983).

51. Phase characterization and enthalpies of selected disubstituted biphenylcyclohexanes
H.J. Müller, W. Haase
Mol. Cryst. Liq. Cryst. (Lett.) 92, 63 - 68 (1983).

52. The crystal and molecular structure of the mesogenic trans-4-n-octyl-(4-cyanophenyl)-cyclohexane (PCH 8)
H. Paulus, W. Haase
Mol. Cryst. Liq. Cryst. (Lett.) 92, 237 - 242 (1983).

53. X-ray studies of biphenylcyclohexanes in the solid crystalline and liquid crystalline states
W. Haase, H. Paulus, H.J. Müller
Mol. Cryst. Liq. Cryst. 97, 131 - 147 (1983).

54. Solid state polymorphism of some 4,4' -disubstituted phenylcyclohexanes
W. Haase, R. Pendzialek
Mol. Cryst. Liq. Cryst. 97, 209 - 217 (1983).

55. On the solubilities of pleochroic dyes in liquid crystalline phases
J.K. Foitzik, W. Haase

- Mol. Cryst. Liq. Cryst. 97, 231 - 240 (1983).
56. On the electrical switching properties of polymeric liquid crystals
H. Pranoto, W. Haase
Mol. Cryst. Liq. Cryst. 98, 299 - 308 (1983).
57. The crystal and molecular structures of three homologous, mesogenic trans, trans-4'-alkylbicyclo-hexyl-4-carbonitriles (cyclohexylcyclohexanes, CCHs)
W. Haase, H Paulus
Mol. Cryst. Liq. Cryst. 100, 111 - 126 (1983)
58. Solid state polymorphism in 4-Cyano-4' -n-propylbiphenyl and X-ray structure determination of the higher melting modification
W. Haase, H. Paulus, R. Pendzialek
Mol. Cryst. Liq. Cryst. 100, 211 - 221 (1983).
59. Magnetic susceptibilities and the order parameters of some 4,4'-disubstituted biphenylcyclo hexanes
H.J. Müller, W. Haase
J. Phys. (Paris) 44, 1209 - 1213 (1983).
60. The molecular structure of the mesogenic 4-butylphenyl-4'-butyl-benzoyloxybenzoate in the crystalline state
W. Haase, H. Paulus, R. Pendzialek
Mol. Cryst. Liq. Cryst. 101, 291 - 299 (1983).
61. Study of the liquid crystalline phases in some compounds of 4-trans-(4-alkyl)cyclohexylphenylalkyl-carboxylate
I.H. Ibrahim, W. Haase
Z. Naturforschung 38a, 1362 - 1364 (1983).

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62. Exchange interaction in tetranuclear copper(II) complexes
W. Haase
J. Mol. Catalysis 23, 331 - 340 (1984).
63. Properties of liquid crystalline polymers in the electric field
W. Haase, H. Pranoto
Progr. Colloid and Polymer Sci. 69, 139 - 144 (1984).
64. X-ray and thermoanalytical investigations on two isomeric n-pentyl-phenyl-cyanothiobenzoates
W. Haase, H. Paulus, I.H. Ibrahim
Mol. Cryst. Liq. Cryst. 107, 377 - 389 (1984).

1985

65. Crystal and Molecular Structures and Magnetic Properties of Tetrameric Copper(II) Complexes with 3-Hydroxy-5-hydroxy-methyl-4-(4'-hydroxy-4'-phenyl-2'-azabut-1'-en-1'-yl)-2-methyl-pyridine (H_2L^3), $[(Cu_4L^3_4)] \cdot 9 CH_3OH$ and 3-

- Hydroxy-5-hydroxymethyl-4-(4'-hydroxy-3'-methyl-4'-phenyl-2'-azabut-1'-en-1'-yl)-2-methylpyridine (H_2L^1), $[(Cu_4L^1_4)] \cdot 8 CH_3CH_2OH$: Two Complexes with Ferromagnetic Ground States**
H. Astheimer, F. Nepveu, L. Walz, W. Haase
J. Chem. Soc., Dalton Trans., 315 – 320 (1985).
66. **Properties of some liquid crystalline side chain polymers in the electric field**
W. Haase, H. Pranoto
in "Polymeric Liquid Crystals", Edit.: A. Blumstein, Plenum Press, pp. 313 – 329 (1985).
67. **Direct theoretical ab initio calculations in exchange coupled copper(II) dimers: influence of the choice of the atomic basis set on the singlet-triplet splitting in modeled and real copper dimers**
P. de Loth, J.-P. Daudey, H. Astheimer, L. Walz, W. Haase
J. Chem. Phys. 82, 5048 - 5052 (1985).
68. **Influence de colorants dissous sur le point de clarification des phases nematiques**
P. Diot, J.K. Foitzik, W. Haase
Rev. Phys. Appl. 20, 121 - 127 (1985)
69. **Crystal and Molecular Structures and Magnetic Properties of Bromo-(3-dimethylaminopropan-1-olato)-copper(II), Chloro-(3-dimethylaminopropan-1-olato)-copper(II), and of (3-Diethyl aminopropan-1-olato)isocyanatocopper(II)**
L. Walz, H. Paulus, W. Haase
J. Chem. Soc., Dalton Trans., 913 – 920 (1985).
70. **Crystal and Molecular Structures and Magnetic Properties of Four New Exchange-Coupled Copper(II)- Complexes Derived from Different 3-N,N-Dialkylamino-1-Propanols and Pseudo-halogens**
L. Walz, W. Haase
J. Chem. Soc., Dalton Trans., 1243 – 1248 (1985).
71. **Crystal structure and magnetic properties of a tetramer with a step-like $Cu_4N_4O_2$ core containing asymmetric bridged dimeric subunits related to the hemocyanin copper active site**
J. Lorösch, H. Paulus, W. Haase
Inorg. Chim. Acta 106, 101 - 108 (1985).
72. **Magnetic behaviour of Tetrakis[(2-diethylaminoethanolato)-isocyanatocopper(II)], a Complex with an Antiferromagnetic Ground State; the Crystal and Molecular Structure of the Triclinic Modification**
L. Schwabe, W. Haase
J. Chem. Soc., Dalton Trans., 1909 – 1913 (1985).
73. **The crystal and molecular structure of a solid crystalline phase of the mesogenic trans-4-n-propyl-(4'-cyanophenyl)-cyclohexane (PCH3)**
J.K. Foitzik, H. Paulus, W. Haase
Mol. Cryst. Liq. Cryst. Lett. 1, 1 - 7 (1985).
74. **Anisotropic exchange in transition-metal dinuclear complexes 7. Bis[μ -2-**

- (diethylamino)-ethanolato]-dibromodicopper(II)
A. Bencini, D. Gatteschi, C. Zanchini, W. Haase
Inorg. Chem. **24**, 3485 - 3486 (1985).
75. Crystal and Molecular Structure and Magnetic Properties of Linear Trimeric Copper(II) Complexes with Predominant Ferromagnetic Exchange Interaction
W. Haase, S. Gehring
J. Chem. Soc., Dalton Trans., 2609 – 2613 (1985).
76. Inelastic neutron scattering on the tetrameric alkoxo-bridged copper(II) complex $[\text{CuCl}(\text{OCD}_2\text{CD}_2\text{N}(\text{C}_2\text{D}_5)_2)]_4$
H. Astheimer, H. Weitzel, W. Haase
J. Chem. Phys. **83**, 1234 - 1236 (1985).
77. Structure of an asymmetric bridged binuclear copper(II) complex
J. Lorösch, H. Paulus, W. Haase
Acta Cryst. **C41**, 897 - 899 (1985).
78. On the magnetic behaviour of tetrakis[2-diethylamino-ethanolato- μ_3 -O-copper(II)-isocyanate] * trichloromethane, $\text{C}_{28}\text{H}_{56}\text{Cu}_4\text{N}_8\text{O}_8 \cdot \text{CHCl}_3$, a tetrameric copper(II) complex with antiferromagnetic ground state
L. Schwabe, W. Haase
Z. Naturforschung **40a**, 229 - 232 (1985).
79. Crystal Structure and Magnetic Properties of an Asymmetric Bridged Binuclear Cu(II)-Complex with a Macrocyclic Ligand Derived from 2-Hydroxy-5-methyl isophthalaldehyde and Histamine
J. Lorösch, W. Haase
Inorg. Chim. Acta **108**, 35 - 40 (1985).
80. 4,4'-Di(N)Hexoxybenzalazine: Crystal and Molecular Structure and Phase Characterization of the Liquid Crystalline Compound
H. Astheimer, L. Walz, W. Haase, J. Loub, H.J. Müller, M. Gallardo
Mol. Cryst. Liq. Cryst. **131**, 343 - 351 (1985).
81. Dielectric properties of some side chain liquid crystalline polymers
W. Haase, H. Pranoto, F.J. Bormuth
Ber. Bunsenges. Phys. Chem. **89**, 1229 - 1234 (1985).
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82. Structure of Tetrakis[μ_3 -(2-diethylaminoethanolato-O)-isocyanato-copper(II)]-Trichloro-methane(1/1)
L. Schwabe, W. Haase
Acta Cryst. **C42**, 667-669 (1986).
83. Structure of 1-[[4-(dimethylamino)phenyl]amino]-4-hydroxy-9,10-anthracenedione
J.K. Foitzik, H. Paulus, W. Haase
Acta Cryst. **C42**, 106 - 107 (1986).
84. Structure of 1,5-bis{[(4-(pentyloxy)phenyl]amino}-9,10-anthracenedione

- J.K. Foitzik, H. Paulus, W. Haase
Acta Cryst. **C42**, 108 - 109 (1986)
85. Direct theoretical ab initio calculations in exchange coupled copper(II) dimers: Influence of structural and chemical parameters in modeled copper dimers
H. Astheimer, W. Haase
J. Chem. Phys. **85**, 1427 - 1432 (1986).
86. Co(II)-Hemocyanin: A Model for the Cuprous Deoxy Protein Giving Evidence for a Bridging Ligand in the Active Site
J. Lorösch, W. Haase
Biochemistry **25**, 5850 - 5857 (1986)
87. Ab initio SCF + CI Direct Calculation of the Exchange Interaction in Aromatic N-Oxide Bridged Copper(II) Dimers: Comparison of the Structural Parameters' Effects on Modelled and Real Geometries
F. Nepveu, W. Haase, H. Astheimer
J. Chem. Soc., Faraday Trans. **82**, 551 - 565 (1986).
88. Dielectric properties of a liquid crystalline siloxane copolymer
H. Pranoto, F.-J. Bormuth, W. Haase, U. Kiechle, H. Finkelmann
Makromol. Chem. **187**, 2453 - 2460 (1986)
89. Crystal and molecular structure and magnetic properties of Di- μ -(4-methylpyridine-1-oxide)-bis(dibromocopper(II))
F. Nepveu, H. Astheimer, H. Paulus, W. Haase
J. Coord. Chem. **14**, 269 - 274 (1986).
90. Resonance Raman Spectroscopic Investigations on Phenolate Bridged Binuclear Cu(II)-Complexes: A Basis for the Identification of the Endogeneous Bridging Ligand in Hemocyanin
J. Lorösch, W. Haase, P.V. Huong
J. Inorg. Biochem. **27**, 53 - 63 (1986).
91. The Crystal and Molecular Structure of the Mesogenic 1,2-Bis(4' - Pentylcyclohexyl)ethane
L. Walz, W. Haase
Mol. Cryst. Liq. Cryst. Lett. **4**, 53 - 61 (1986).
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92. Exchange interaction in linear trimeric copper(II) complexes with ferromagnetic and antiferromagnetic ground states
S. Gehring, H. Astheimer, W. Haase
J. Chem. Soc., Faraday Trans. **83**, 347 - 354 (1987).
Erratum: *J. Chem. Soc., Faraday Trans.* **83**, 2339 (1987).
93. The Solubilities of the Components of Two Binary Dye Mixtures in a Nematic Host
J.K. Foitzik, W. Haase
Mol. Cryst. Liq. Cryst. **142**, 55 - 58 (1987).

94. **Magneto-Structural Dependencies for Asymmetrically bridged Cu(II) Dimers**
J. Lorösch, U. Quotschalla, W. Haase
Inorg. Chim. Acta **131**, 229 - 236 (1987).
95. **Thermal and X-ray studies of 1,6-Bis-[4-(trans-4-n-propylcyclohexyl)phenyl]-hexane and 3,5-Bis-[4-(trans-4-n-propylcyclohexyl)phenyl]-1,2,4-thiadiazol**
I.H. Ibrahim, W. Haase
Z. Naturforschung **42a**, 774-776 (1987).
96. **Molecular Dynamics in Liquid Crystalline Side Chain Polymers**
F.J. Bormuth, W. Haase, R. Zentel
Mol. Cryst. Liq. Cryst. **148**, 1 - 13 (1987).
97. **Properties of Guest-Host Systems with higher Concentrations of Pleochroic Dyes**
W. Haase, O. Trinquet, U. Quotschalla, J.K. Foitzik
Mol. Cryst. Liq. Cryst. **148**, 15 - 27 (1987).
98. **Structural Arrangements of the Mesogenic Compounds 4-Ethyl-4'-(4''-pentylcyclohexyl)biphenyl and 4-Ethyl-2'-fluoro-4'-(4''-pentylcyclohexyl)biphenyl (BCH's) in the Crystalline State**
L. Walz, F. Nepveu, W. Haase
Mol. Cryst. Liq. Cryst. **148**, 111 - 121 (1987).
99. **Guest-Host Systems with Anthraquinone Dyes: Thermodynamic and Structural Features**
J.K. Foitzik W. Haase
Mol. Cryst. Liq. Cryst. **149**, 401 - 416 (1987).
100. **Synthesis and mesomorphic properties of N-n-Alkyl-N-[4-(2-Cyanoethylphenyl)] Piperazines**
J. Bartulia, C. Zuniga, H. Müller. T.R. Taylor, W. Haase
Mol. Cryst. Liq. Cryst. **150b**, 237 - 245 (1987).
101. **Influence of dissolved dye molecules on liquid crystalline side chain polymers**
U. Quotschalla, W. Haase
Mol. Cryst. Liq. Cryst. **153**, 83 - 97 (1987).
102. **Molecular dynamics of liquid crystalline side chain polymers of different types**
F.J. Bormuth, W. Haase
Mol. Cryst. Liq. Cryst. **153**, 207 - 216 (1987).
103. **Crystal and molecular structures of four mesogenic 4'-alkoxy-4-cyanobiphenyls**
L. Walz, H. Paulus, W. Haase
Z. Kristallogr. **180**, 97 - 112 (1987).

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