

References

- Arco M. D., Gutiérrez S. C., Martin C. and Rives V. 2003. "Intercalation of $[\text{Cr}(\text{C}_2\text{O}_4)_3]^{3-}$ Complex in Mg, Al Layered Double Hydroxides", Inorg. Chem. 42(2003), 4232-4540.
- Andrés R., Gruselle M., Malézieux B., Verdaguer M. and Vaissermann J. 1999. "Enantioselective Synthesis of Optically Active Polymeric Homo- and Bimetallic Oxalate-Bridged Networks $[\text{M}_2(\text{ox})_3]_n$ ", Inorg. Chem. 38(1999), 4637-4646.
- Armentano D., Munno G. D., Faus J., Lloret F., and Julve M. 2001. "Syntheses Crystal Strutures, and Magnetic Properties of the Oxalato-Briged Mixed-Valence Complexes $[\text{Fe}^{\text{II}}(\text{bpm})_3]_2[\text{Fe}^{\text{III}}_2(\text{ox})_5] \cdot 8\text{H}_2\text{O}$ and $\text{Fe}^{\text{II}}(\text{bpm})_3\text{Na}(\text{H}_2\text{O})_2\text{Fe}(\text{ox})_3 \cdot 4\text{H}_2\text{O}$ ($\text{bpm} = 2,2'$ -Bipyrimidine)", Inorg. Chem. 40(2001), 655-660.
- Bataille T., Louër M., Auffrédic J. P., and Louër D. 2000. "Crystal Structure and Thermal Behavior of $\text{La}(\text{H}_2\text{O})_2\text{M}(\text{C}_2\text{O}_4)_2 \cdot \text{H}_2\text{O}$ ($\text{M} = \text{K}, \text{NH}_4$) Studied by Power X-Ray Diffraction", J. Solid State Chem. 150(2000), 81-95.
- Bérénzovsky F., Hajem A. A., Triki S., Pala J. S., and Molinié P. 1999. "Infinite Two-Dimensional Sheet-like Array of a 2,2'-bipyridine-bis-(oxalato)chromate(III) Complex: Crystal Structure and Magnetic Properties of $[\text{K}(\text{H}_2\text{O})\text{Cr}(\text{C}_2\text{O}_4)_2(\text{bpym})]$ ", Inorg. Chem. 284(1999), 8-13.
- Booth H. S. 1939. "Inorganic Synthesis V.1", McGraw-Hill Inc., New York, 36-37.

Broadbent D., Dollimore D. and Dollimore J. 1969. "Thermogravimetry and Differential Thermal Analysis Studies on Potassium Titanyl Oxalate and Potassium Aluminium Oxalate and Related Oxalates", Analyst. 94(1969), 543-553.

Bruker 2000. SMART (Version 5.6), SAINT (Version 5.6), SADABS (Version 2.0) SHELXTL (Version 6.12). Bruker AXS Inc., Madison, Wisconsin, USA.

Cotton F. A. and Wilkinson G. 1972. "Advanced Inorganic Chemistry", 3rd ed. John Wiley & Sons, New York.

Cotton F. A., Wilkinson G., Murillo C. A., and Bochmann M. 1999. "Advanced Inorganic Chemistry", 6th ed. John Wiley & Sons, New York.

Coronado E., Galán-Mascarós J. R., Gómez-García C. J. and Martínez-Agudo J. M. 2001. "Tuning the Magnetic Properties in the Layered Molecular based Magnets A[Fe^{II}Ru_x^{III}M_{1-x}^{III}(ox)₃] (M^{III} = Cr or Fe; ox = Oxalate; A = organic or Organometallic Cation)", Synth. Met. 122(2001), 501-507.

Cox P. A., 1995. "Transition Metal Oxides An Introduction to Their Electronic Structure and Properties", Oxford University Press Inc., New York.

Daniele P. G. 1983. "The Formation of Proton and Alkali Metal Complexes with Ligands of Biological Interest in Aqueous Solution. Thermodynamics of Li⁺, Na⁺ and K⁺-Dicarboxylate Complex Formation", Thermochim. Acta. 62(1983) 101-112.

- Decurtins S., Schmalle H. W., Schneuwly P., Engling J. and Gütlich P. 1994. "A Concept for the Synthesis of 3-Dimensional Homo- and Bimetallic Oxalate-Bridged Networks $[M_2(ox)_3]_n$. Structural, Mössbauer, and Magnetic Studies in the Field of Molecular-Based Magnets", *J. Am. Chem. soc.* 116(1994), 9521-9528.
- Decurtins S., Schmalle H. W., Oswald H. R., Linden A., Ensling J., Gütlich P. and Hauser A. 1994. "A Polymeric Two-dimensional Mixed-metal Network. Crystal Structure and Magnetic Properties of $\{[P(Ph)]_4[MnCr(ox)_3]\}_n$ ", *Inorg. chim. Acta* 216(1994), 65-73.
- Decurtins S., Schmalle H. W., Pellaux R., Schneuwly P. and Hauser A. 1996. "Chiral, Three-Dimensional Supramolecular Compounds: Homo- and Bimetallic Oxalate and 1,2-Dithiooxalate-Bridged Networks. A Structural and Photophysical Study", *Inorg. chem.* 35(1996), 1451-1460.
- Delgado G., Mora A., and Sagredo V. 2002. "Magnetic Susceptibility and Crystal Structure Analysis of Potassium Iron Oxalate Trihydrate", *Physica B*, 320 (2002), 410-412.
- Dinnebier R. E., Vensky S., Panthöfer M., and Jansen M. 2003. "Crystal and Molecular Structures of Alkali Oxalates: First Proof of a Staggered Oxalate Anion in the Solid State", *Inorg. Chem.* 42(2003), 1499-1507.
- Doetschman D. C. 1974. "Electron Paramagnetic Resonance Studies of Transition Metal Oxalates and Their Photochemistry in Single Crystals. I. $K_3[Cr(C_2O_4)_3].3H_2O$ in $K_3[Al(C_2O_4)_3].3H_2O$ ", *J. Chem. Phys.*, 60(1974), 2647-2653.

Foster K. A. and House J. E. 1983. "Thermal Studies on Oxalate Complexes. V. Potassium Tris(oxalato)aluminate(III) Trihydrate", Thermochim. Acta. 60 (1983), 389-391.

Graddon D. P. 1956. "The Absorption Spectra of Complex Oxalates", J. Inorg. Nucl. Chem. 3(1956), 308-322.

Haines P. J. 1999. "Simultaneous Differential Scanning Calorimetry and Reflected Light Intensity (DSC-RLI) in the Study of Inorganic Materials", Thermochim. Acta. 340-341(1999), 285-292.

Hall S. R., King, G. S. D. and Stewart J. M. 1999. XTAL3.6 System. University of Western Australia.

House JR. J. E., and Blumthal T. G. 1980. "Thermal Studies on Oxalate Complexes. II. Complexes of Iron(III) and Chromium(III)", Thermochim. Acta. 36(1980), 79-84.

Hua X., Larsson K., Neal T. J., Wyllie G. R. A., Shang M., and Lappin A. G. 2001. "Structure and Magnetic properties of $[\text{Cr}(\text{en})_2(\text{ox})][\text{Cr}(\text{en})(\text{ox})_2] \cdot 2\text{H}_2\text{O}$, $\Delta - [\text{Cr}(\text{en})_3]\Delta - [\text{Cr}(\text{ox})_3]$ and $\Delta - [\text{Co}(\text{en})_3]\Delta - [\text{Cr}(\text{ox})_3]$ ", Inorg. Chem. Com. 4 (2001), 635-639.

Jun L., Feng-Xing Z., Yan-Wei R., Yong-Qian H., and Ye-Fei N. 2003 "Thermal Kinetic TG-Analysis of Metal Oxalate Complexes", Thermochim. Acta. 406 (2003), 77-87.

Keith A. F., and House JR. J.E. 1983. "Thermal Studies on Oxalate Complexes. V. Potassium tris(oxalato)aluminate(III) trihydrate", Thermochim. Acta. 60(1983), 389-391.

Langford V.S., Von Arx M. E. and Hauser A. 1999. "Superexchange and Dipole-Dipole Energy Transfer from the $[Cr(ox)_3]^{3-}$ of 3D Oxalate Networks to Encapsulated $[Cr(bipy)_3]^{3+}$ " J. Phys. Chem. A., 103(1999), 7161-7169.

Malézieux B., Andrés R., Brissard M., Gruselle M., Train C., Herson P., Troitskaya L. L., Sokolov V. I., Ovseenko S. T., Demeschik T. V., Ovanesyan N. S., and Mamed'yarova I. A. 2001. "(Ferrocenylmethyl)trialkyl Ammoniums as Template Cations in Optically Active Two-dimensional Oxalate Bridging $[Cr-Mn]$ and $[Cr-Ni]$ Molecule-based Magnets: Synthesis and Magnetic Properties", J. Organo. Chem. 637-639(2001), 182-190.

Nakamoto K. 1970. "Infrared and Raman Spectra of Inorganic and Coordination Compounds" 2nd ed; John Wiley & Sons, Inc., New York.

Nakamoto K. 1978. "Infrared and Raman Spectra of Inorganic and Coordination Compounds" 3rd ed; John Wiley & Sons, Inc., New York.

Nakamoto K. 1986. "Infrared and Raman Spectra of Inorganic and Coordination Compounds" 4th ed; John Wiley & Sons, Inc., New York.

Nakamoto K. 1997. "Infrared and Raman Spectra of Inorganic and Coordination Compounds" 5th ed; John Wiley & Sons, Inc., New York.

Öhrström L., and Svensson G. 2000. "On the Structures and Properties of Cr(DMSO)₆³⁺ and the Coordination polymer [*cis*-Cr(III)(oxalate)₂(DMSO)₂K(DMSO)₂]_n", Inorg. Chim. Acta. 305(2000), 157-162.

Palmer W. G., 1954. "Experimental Inorganic Chemistry", Cambridge University Press, England.

Roman P., Miralles C. G. and Luque A. 1996. "Synthesis, Structure and Characterisation of [Ni(bipy)₃][NaAl(ox)₃]: (bipy = 2,2'-bipyridine, ox = oxalate)", J. Chem. Soc., Dalton Trans., (1996), 3985-3989.

Scaringe R. P., Hatfield W. E. and Hodgson D. J. 1977. "Magnetic and Structural Characterization of the Chromium(III) Dimer Sodium Di- μ -hydroxobis[bis(oxalato)chromate(III)] Hexahydrate, Na₄[Cr(C₂O₄)₂OH]₂·6H₂O", Inorg. Chem. 22(1977), 175-183.

Sakagami N., Kita E., Kita P., Wisniewska J., and Kaizaki S. 1999. "The Crystal Structure of Bis(oxalato)chromium(III) Complexes with Histamine and B₆ vitamin: Na[Cr(ox)₂(hm)].3H₂O and Na[Cr(ox)₂(PM)].H₂O"(hm, histamine; PM, pyridoxamine)", Polyhedron. 18(1999), 2001-2007.

Skoog D. A. and Leary J. J. 1992. "Principle of Instrumental Analysis", 4th ed. Philadelphia : Saunders College Publishing.

- Tamaki H., Zhong Z. J., Matsumoto N., Kida S., Koikawa M., Achiwa N., Hashimoto Y., and Ökawa H. 1992. "Design of Metal-Complex Magnets. Syntheses and Magnetic Properties of Mixed-Metal Assemblies $\{NBu_4[MCr(ox)_3]\}_x$ (NBu_4^+ = Tetra(*n*-butyl)ammonium Ion; ox^{2-} = Oxalate Ion; $M = Mn^{2+}, Fe^{2+}, Co^{2+}, Ni^{2+}, Cu^{2+}, Zn^{2+}$)", J. Am. Chem. Soc. 114(1992), 6974-6979.
- Taylor D. 1978. "The Crystal Structure of Potassium Tris(oxalato)-chromate(III) and - aluminate(III) Trihydrate: a Reinvestigation", Aust. J. Chem., 31(1978), 1455-1462.
- Verdonk A. H. 1972. "Synthesis and Thermal Decomposition of Potassium Trioxalatoaluminate Hydrate", Thermochim. Acta. 4(1972), 25-39.
- Von Arx M. E., Langford V. S., Oetliker U. and Hauser A. 2002. "Resonant Energy Transfer in the Mixed Crystal Series $[Rh(bpy)_3] [NaAl_xCr_{1-x}(ox)_3]ClO_4$ (bpy = 2,2'-bipyridine, ox = Oxalate, $x = 0.05-1$)", J. Phys. Chem. 106(2002), 7099-7105.
- Willard H. H., Merritt L. L. and Dean J. A. 1974. "Instrumental Methods of Analysis", 4th ed. New York : D. Van Nostrand Co.
- Yager T. D., and Eaton G. R. 1979. "Allowed and Forbidden d-d Transitions in Cr (oxalate)₃³⁻", J. Chem. Educ. 56(1979), 635.
- Zhou G, and Li W. 1989. "The Abnormally Long C-C Bond in the Oxalate Ion", 66 (1989), 572.