

## 9

## Bibliografia

- 1 MILLS, K. C. **Basicity and optical basicity of slags**, in: Slag Atlas, 2nd Ed., Verein Deutscher Eisenhüttenleute, Düsseldorf, p. 9-19, 1995.
- 2 LEE, W.; WANG, B. A study of the impact deformation and fracture behavior of austenitic manganese steel. **Metals and Materials International**, v. 12, n. 6, p. 459 - 466, 2006.
- 3 CALLISTER, W. **Materials science and engineering: an introduction**. New York: J. Wiley & Sons, 1994.
- 4 KANG, Y.; LEE, H. Experimental study of the equilibrium in the MnO-TiO<sub>2</sub>-Ti<sub>2</sub>O<sub>3</sub> system. **ISIJ**, vol. 45, n. 11, p. 1543 - 1551, 2005.
- 5 SAADT, A. S. Structural characterization of hot pressed Aluminium espinel. **Materials Letters**, v. 5, n. 11 - 12, p. 475 - 478, 1987.
- 6 Novokahatiski A. N., Lenev M. N., Savinskaya A. A., Gorokh A. V. Equilibrium diagram of the Al<sub>2</sub>O<sub>3</sub>(Corundum) – MnO System. **Russian Journal of Inorganic Chemistry**, v. 11, n. 2, p.231 - 232, 1966.
- 7 HEY A.; WHITE, J.; MACINTOSCH, A. B., J. West. Scot. **Iron Steel Institute**, n. 42, v.99, p. 35, 1945.
- 8 Olsen, W., Heynert, G. **Arch. Eissenhutenwessen**, v. 26. p. 567-575, 1955.
- 9 JACOB, K. T. Revision of the thermodynamic data on Al<sub>2</sub>O<sub>3</sub>-MnO melts. **Canadian Metallurgical Quarterly**, v. 20, n. 1, p. 89 - 92, 1981.
- 10 SHARMA, R. A.; RICHARDSON, F. D. **Transactions of the Metallurgical Society AIME**, v. 233, p. 1586,1965.
- 11 GAYE, H.; WELFRINGER, J. **Modeling the thermodynamic properties of complex metallurgical slags**. In: International symposium on metallurgical slags and fluxes, Lake Tahoe, Nevada. *Proceedings...*TMS-AIME, p. 357 - 375, 1984.
- 12 KUBASCHEWSKI, O. The thermodynamic properties of double oxides (a review). **High temperature – high pressures**, v. 4, p. 1 - 12, 1972.
- 13 KNACKE O.; KUBASCHEWSKI, O.; HESSELMANN, K. **Thermochemical properties of inorganic substances**. Berlin: Springer - Verlag, 1991.
- 14 KUBASCHEWSKI, O.; ALCOCK, C. B.; SPENCER C. J. **Materials thermochemistry**. 6<sup>th</sup> ed. Oxford: Pergamon Press, 1993.
- 15 DEREK T. Thermal expansion data. VI. Complex oxides, AB<sub>2</sub>O<sub>4</sub>, the spinels. **British Ceramic Transactions and Journal**, v. 84, n. 4, p. 121 - 127, 1985.
- 16 DEREK T. Thermal expansion data. XI. Complex oxides, A<sub>2</sub>BO<sub>5</sub>, and the garnets. **British Ceramic Transactions and Journal**, v. 86, n. 1, p. 1 - 6, 1987.
- 17 NAVARRO, R. S. **Modelagem termodinâmica de escórias contendo TiO<sub>2</sub>: modelo quasi-químico modificado de Kapoor-Frohberg-Gaye**, Rio de Janeiro, 2005, 300p. Tese (Mestrado em engenharia de materiais e de processos químicos e metalúrgicos), DEMA – PUC-Rio.
- 18 GOPAL, E. S. R. **Specific heats at tow temperatures**. Plenun Press, New York, 1966.
- 19 EDGARS, D.; CHARLES, A. D.; ANTONY, C. W., ERIC, J. E. A calorimetric investigation of spessartine: Vibrational and magnetic heat capacity. **Geochimica et Cosmochimica Acta**, v. 73, p. 3393 - 3409, 2009.
- 20 NADAREISHVILI, M. M.; KVAVADZE, K. A. Heat capacity anomaly of LSCO cuprates with nonmagnetic impurity. **Condensed Matter**, p. 1 - 9, 2009.

- 21 YASUHIDA, Y.; NORIYUKI N., TOSHIHIDE T. Low-temperature heat capacities and Raman spectra of negative thermal expansion compounds  $ZrW_2O_8$  and  $HfW_2O_8$ . **Physical Review B**, v. 66, p. 2002.
- 22 HILLERT, M. The compound energy formalism. **Journal of Alloys and Compounds**, v. 320, n. 2, p. 161 - 176, 2001.
- 23 Kingery W. D. **Introduction to ceramics**. New York : J. Wiley & Sons, 1960.
- 24 Mike M. **Fundamentals of magnetism**.  
Disponível em: <[www.qdusa.com/resources/pdf/FundPrimer.pdf](http://www.qdusa.com/resources/pdf/FundPrimer.pdf)>
- 25 PARIDA, S. C.; RAKSHI, S. K.; ZILEY, S. Heat capacities, order–disorder transitions, and thermodynamic properties of rare-earth orthoferrites and rare-earth iron garnets. **Journal of Solid State Chemistry**, v. 181, p. 101 - 121, 2008.
- 26 RETUERTO, M. L. L. Temperature enhancement in partially disordered  $Sr_2FeReO_6$  double Perovskites. **Materials Research Bulletin**, v. 44, p. 1261 - 1264, 2009.
- 27 ROBIE, R. A.; HEMINGWAY, B. S. Low- temperature molar heat capacities and entropies of the manganese oxides  $MnO_2$  (pyrolusite),  $Mn_3O_4$  (hausmanite), and  $Mn_2O_3$  (bixbyite). **The Journal of Chemical Thermodynamics**, v. 7, n. 2, p. 165 - 181, 1985.
- 28 SAUNDERS, N.; MIODOWNIK, A. P. **CALPHAD: Calculation of Phase Diagrams – a comprehensive Guide**. Pergamon, London, 1998.
- 29 LASHLEY, C. J. et al. Specific heat and magnetic susceptibility of the spinels  $GeNi_2O_4$  and  $GeCo_2O_4$ . **Physical Review B**, v. 78, 104406, p. 1-18, 2008.
- 30 PETRENKO, O. A. et al. Low-temperature magnetic ordering in  $SrEr_2O_4$ . **Physical Review B**, v. 78, n. 18, p. 1 - 6, 2008.
- 31 Wang F. et al. Magnetic properties and magnetocaloric effect in  $NdxLa_{1-x}Fe_{11.5}Al_{1.5}$  compounds. **Chinese Physics B**, v.17, n. 8, p. 3087 - 3092, 2008.
- 32 TSCHIBANA M., et al. Heat capacity of  $LiMn_2O_4$  Effect of oxygen content on charge and magnetic ordering. **Physical Review B**, v. 68, n. 094421, p. 1 - 5, 2003.
- 33 SUBIAS G. et al. Order–disorder nature of the antiferroelectric transition in  $Pb_2MnWO_6$ . **Journal of Physics: Condensed Matter**, v. 21, n. 075903, 2009.
- 34 Frederick, N. A. et al. Investigation of the Double Superconducting Transition and Low-Temperature Specific Heat of  $Pr(Os_{1-x}Rux)_4Sb_{12}$ . **Journal of Low Temperature Physics**, v. 147, n. 3 - 4, p. 321 - 333, 2007.
- 35 BERMAN R.; BROWN, T. Heat Capacity of minerals in the system  $Na_2O - K_2O - CaO - FeO - MgO - Fe_2O_3 - Al_2O_3 - SiO_2 - TiO_2 - H_2O - CO_2$ , representation, estimation and high temperature extrapolation. **Contributions to Mineralogy and Petrology**, v. 89, p. 168 - 183, 1985.
- 36 Jih S. H.; Kai, J. L.; Cheng, T. Measurement of heat capacity by fitting the whole temperature response of a heat-pulse calorimeter. **Rev. Sci. Instrum.**, v. 68, n. 1, 1997.
- 37 SPEYER R. **Diferential thermal analysis of materials**. New York: Marcel Decker, 1994.
- 38 HANITZSCH E. Modification of the conventional measuring method to determine the specific heat capacity using a Perkin-Elmer DSC2. **Thermochemica Acta**, v. 187, p. 275 - 281, 1991.
- 39 BROCHI, E. A.; MOTTA, M. S.; MOURA, F. J. Alternative Chemical Based Synthesis Routes and Characterization of Nano-Scale Particles. **Materials Science and Engineering B**, v. 112, n. 2 - 3, p. 200 - 205, 2004.

- 40 OLIVEIRA, T. F. et al. Multivariate calibration by partial least squares for the quantitative phase analysis using Rietveld method. **Journal of Chemometrics**, v.22, p.141 - 148, 2008.
- 41 MCCORMICK, D.; ROACH, A.; CHAPMAN, N. B. **Measurements, Statistics, and Computation – analytical chemistry by open learning**. John Wiley Sons: New York, 1987.
- 42 RUDTSCH S. Uncertainty of heat capacity measurements with differential scanning calorimeters. **Thermochimica Acta**, v. 382, p. 17 - 25, 2002
- 43 HOSIENI, K. R.; HOWALD, R. A.; SCALON, M. W. Thermodynamics of the lambda transition and the equation of state of quartz. **American Mineralogist**, v. 70, n. 7-8, p. 782 - 793, 1985.
- 44 BROCH, E. Precision determinations of the lattice constants of the compounds MgO, MgSe, MgS, MnO and MnSe. **Zeitschrift für Physikalische Chemie**, v. 127, p. 446 - 457, 1927.
- 45 BALAJI G.; GAJBHIYE N.S.; WILDE G. Magnetic properties of MnFe<sub>2</sub>O<sub>4</sub> nanoparticles. **Journal of Magnetism and Magnetic Materials**, v. 242 - 245 p. 617 – 620, 2002.
- 46 KLEMME S.; MILTENBURG J. C. The heat capacities and thermodynamic properties of NiAl<sub>2</sub>O<sub>4</sub> and CoAl<sub>2</sub>O<sub>4</sub> measured by adiabatic calorimetry from T = (4 to 400) K. **The Journal of Chemical Thermodynamics**, v. 41, p. 842 - 848, 2009.
- 47 WILLIAM H. P.; SAUL, A. T.; WILLIAM, T. V. Numerical recipes in FORTRAN 77. Disponível em: <<http://www.nr.com/oldverswitcher.html>>
- 48 SELMA G. A. **Aplicação do Método de Rietveld na caracterização estrutural e nanoestrutural do espinélio Ni<sub>1.5</sub>Co<sub>0.5</sub>Fe<sub>2</sub>O<sub>4</sub> preparado por Reação de Combustão**. Araraquara, 2006, Tese de mestrado, Instituto de Química, UNESP.
- 49 DAGOTTO, E.; TOKURA, Y. Strongly Correlated Electronic Materials: Present and Future. **MRS Bulletin**, v. 33, p. 1036 -1045, 2008.