

Refractory Ceramics Division
Alfred W. Allen Award Winners

2012 - Wagner M. Silva and Modestino A. M. Brito - Magnesita Refractories S.A., Brazil, Christos G. Aneziris - Institute for Ceramics, Glass and Construction Materials, Technical University Freiberg, Germany, "Effect of Alumina and Silica on the Hydration Behaviour of Magnesia Based Refractories," J. Amer. Ceram. Soc., 94(12) 4218-4225 (2011)

2010 - Devdutt Shukla and Jeffrey D. Smith, "Effect of Celsian on Corrosion of Aluminosilicate Castable Refractories," Refractories Applications, Vol. 4, No. 3, November/December 2009.

2008 - Chang Min Chun, Narasimha-Rao V. Bangaru, Neeraj Thirumalai, John R. Peterson, Christopher J. Fowler, and Robert L. Antram, "Erosion-Corrosion-Resistant Titanium Diboride Cermets for High-Temperature Process Applications," Int. J. Appl. Ceram. Technol., pp. 1-13, 2008.

2006 – Y.A. Marques, R.G. Pileggi, F.A.O. Valenzuela, M.A.L. Braulio, and V.C. Pandolfelli, "Setting Additives Influence on the Thermomechanical Properties of Wet Shotcrete Refractory Castable Matrices," Ceram. Bull., pp. 9201-9206, 2005.

2004 – S. Ramachandran, K.D. Peaslee, and J.D. Smith, "Thermochemistry of Steel-Refractory Interactions in Continuous Casting Nozzles," Iron and Steelmaker, 11 (2003) pp.55-63.

2002 – Michel Rigaud, Stefan Palco, and Ningsheng Zhou, "Alumina and Magnesia-Based Castables Containing Graphite: Comparison"

2000 – A.A. Weresczak, T.P. Kirkland, and W.F. Curtis, "Creep of CaO/SiO₂-containing MgO Refractories," J. Mater. Sci., 34 (1999), pp. 215-227.

1998 – Gord Cuthbert, Reg White, Brian Martin, Chris Doyle, Juan Hrepic, and Carlos Diaz, "The Effect of Slag Composition Control on the Performance of Magnesite-Chrome Refractory Linings in Top Blown Rotary Converters," pp.381-392, Advances in Refractories for the Metallurgical Industries II, Canadian Institute Mining, Metals, Petr., 8/96 Montreal.

1996 – K.N. Singh, C.R. Beechan, T.J. Russo, W.S. Howanski, and B. Brezny, "Reducing Thermally Induced Stresses in BOF Linings," pp. 491-498, 1995 Steelmaking Conference Proceedings.

1994 – J. Tu, R.B. Fortuna, and S.C. Su, "Microstructure, Phase Composition and Properties of an Olivine Based Castable," pp. 506-516, UNITECR '93.

1992 – Claude Allaire, Michel Rigaud, and Serge Dallaire, "Basic Phosphate-Bonded Castables from Dolomitic-Magnesite Clinkers," J. Amer. Ceram. Soc., 72 (9) 1698-1703 (1989).

1987 – Robert O. Russell

1986 – Brian Rand and O. Serdar Ozgen, "Kinetics of Oxidation of the Graphite Phase in Alumina/Graphite Materials," Brit Ceram Trans J, Vol. 84, No. 2, pp. 70-76, 1985.

1985 – Wate T. Bakker, Ulrich Gerhardus, Sherman Greenberg, and Meinholf Trondt, "Refractory Practice in Slagging Gasifiers," *Ceram. Bull.*, pp. 870-6, July 1984.

1984 – Robert O. Russell and Gary D. Morrow, "Characteristics of Refractories Used in Teeming Ladles," *Iron & Steelmaker*, July 1983.

1983 – John Sweeney and Mark Cross, "Analyzing the Stress Response of Commercial Refractory Structures in Service at High Temperature: A Simple Model of Viscoelastic Stress Response" and "II. A Thermal Stress Model for Refractory Structures," *Trans. J. Brit. Ceram. Soc.*, Vol. 81, No. 1, pp. 25-28 and No. 2, pp. 47-52, 1982.