Ausgewählte Publikationen zum Forschungsschwerpunkt

Stoffwertemessung / Measuring of Materials Thermal Properties

Gierl, C.; Danninger, H.; Silva Gonzalez, M.; Schmidt, J.; Specht, E.: Thermophysical properties of sintered steels - effect of porosity and composition. Vortrag: PM2010 Powder Metallurgy World Congress & Exhibition, Florence; 10.10.2010 - 14.10.2010; in: Proceedings PM2010 Volume 5, European Powder Metallurgy Association, Shrewsbury (2010), ISBN: 9781899072149; 41-5

Danninger, H.; Gierl, C.; Silva Gonzalez, M.; Schmidt, J.; Specht, E.: Thermal expansion and thermal conductivity of sintered steels - the real effect of the porosity. Vortrag: PowderMet 2010, Ft. Lauderdale FL; 27.06.2010 - 30.06.2010; in: Preprints, Metal Powder Industries Federation, Princeton NJ (2010), 11 S. ISBN: 978-0-9819496-4-2

Silva, M.; Specht, E.; Schmidt, J.: Thermophysical properties of limestone as a function of origin. Part 2: Calcination enthalpy and equilibrium temperature. Cement Lime Gypsum Int. (2010) No 6, 51-57.

Silva, M.; Specht, E.; Schmidt, J.: Thermophysical properties of limestone as a function of origin. Part 1: specific heat capacities. Cement Lime Gypsum No 2 (2010) 55-62.

Silva, M.; Specht, E.; Schmidt, J.; Al-Karawi, J.: Influence of the origin of limestone on its decomposition temperature and on the specific heat capacity and conductivity of lime. Hight Temperature-High Pressure 38 (2010), 361-378.

Silva, M.; Specht, E.; Schmidt, J., Bauer W.: Comparative evaluation of the thermal conductivity for selected materials measured with a laser flash apparatus and other techniques. Proceedings of 30th International Thermal Conductivity Conference and 18th International Thermal Expansion Symposium, August 29- September 2, 2009, Pittsburgh, USA, 480-488. (ISBN 978-1-60595-015-0)

Silva, M.; Specht, E.; Schmidt, J.: Importance of the origin of limestone on the thermophysical properties influencing the calcination process. Proceedings of 30th International Thermal Conductivity Conference and 18th International Thermal Expansion Symposium, August 29- September 2, 2009, Pittsburgh, USA, 496-505. (ISBN 978-1-60595-015-0)

Silva, M.; Specht, E.; Schmidt, J.; Al-Karawi, J.: Influence of the sintering compression of metallurgic powder steel on the thermal properties up to 1000 °C. 30th International Thermal Conductivity Conference and 18th International Thermal Expansion Symposium, August 29- September 2, 2009, Pittsburgh, USA.