

Ausgewählte Publikationen zum Forschungsschwerpunkt

Stoffwertemessung / Measuring of Materials Thermal Properties

Sandaka, G.; Specht, E.:

Influence of material properties on limestone decomposition.

Cement Lime Gypsum 3 (2018) 52-56.

Pliester, S.; Bauer, W.; Al-Karawi, J.; Specht, E.:

Ermittlung gesicherter Werte der Wärmeleitfähigkeit feuerfester Werkstoffe für die Auslegung von Industrieöfen und für die Prozessoptimierung.

Tagungsband zum 20. Werkstofftechnischen Kolloquium in Chemnitz, 14./15.03.2018, 326-336.

Sandaka, G.; Specht, E.:

Thermogravimetric determination of thermal conductivity of limestones.

13th International Conference on Heat Transfer, Fluid Mechanics and Thermodynamics, HEFAT2017, 17 – 19 July 2017, 560-564, Slovenia. ISBN: 978-1-77592-140-0

Sandaka, G.; Al-Karawi, J.; Specht, E.; Silva, M.:

Thermophysical properties of lime as a function of origin (Part 4): Conductivity

Cement Lime Gypsum 3 (2017), 36-41.

Moldenhauer, A.; Bauer, W.; Specht, E.; Herz, F.:

Thermophysical properties of lime as a function of origin (Part 3): Emissivity

Cement Lime Gypsum 9 (2016) 58-62.

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.