

Ausgewählte Publikationen zum Forschungsschwerpunkt

Schachtöfen, Kalkbrennen / Shaft Kilns, Lime Calcination

Hallak, B.; Specht, E.; Herz, F.; Gröpler, R.; Warnecke, G.: Simulation of lime calcination in Normal Shaft Kilns – Mathematical Model. *Int. Journal of Cement Lime Gypsum* 9 (2015) 66-71.

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Specht, E.; Mohammadpour, K.; Alkhalaf, A.: Ermittlung der Flammenlänge von gasförmigen Brennstoffen in Schachtöfen. *VDI-Berichte Nr. 267*, 2015. VDI Verlag GmbH Düsseldorf, 291-299. (ISBN 978-3-18-092267-6)

Hallak, B.; Herz, F.; Specht, E.; Gröpler, R., Warnecke, G.: Simulation of limestone calcination in normal shaft kilns – Part 3: Influence of particle size distribution and type of limestone. *Int. Journal of Cement Lime Gypsum* 3 (2016), 64-68.

Hallak, B.; Herz, F.; Specht, E.; Kehse, G.: Energy consumption and CO₂ content in the flue gas of normal shaft kilns: Part 1 Influence of the excess air number. *Cement, Lime, Gypsum*, 11 (2014) 60-66.

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Cheng, C.; Specht, E.; Kehse, G.: Influence of origin and material property of limestone upon its decomposition behaviour in shaft kilns. *Cement, Lime, Gypsum* 60 (2007) No. 1, 51-61.

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Bes, A.; Specht, E.; Kehse, G.: Influence of the kind of fuel on the energy consumption in lime burning. *Cement, Lime, Gypsum* 60 (2007) 9, 84-93.

Cheng, C.; Specht, E.: Reaction rate coefficients in decomposition of lumpy limestone of different origin. *Thermochimica Acta* 449 (2006) 8-15.

Specht, E.; Kainer, H.; Jeschar, R.: Reaction, Pore Diffusion and Thermal Conduction Coefficients of Various Magnesites and their Influence on the Decomposition Time. *Radex-Rundschau* (1986), 4, 248-268.

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