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Publications:

From a single pellet press to a bench scale pellet mill - Pelletizing six different biomass feedstocks

Puig Arnavat, M., Shang, L., Sárossy, Z., Ahrenfeldt, J. & Henriksen, U. B. 2016 In : Fuel Processing Technology. 142, p. 27-33

Publication: Research - peer-review › Journal article – Annual report year: 2016

Kinetic model for torrefaction of wood chips in a pilot-scale continuous reactor

Shang, L., Ahrenfeldt, J., Holm, J. K., Bach, L. S., Stelte, W. & Henriksen, U. B. 2014 In : Journal of Analytical and Applied Pyrolysis. 108, p. 109-116

Publication: Research - peer-review › Journal article – Annual report year: 2014

Intrinsic kinetics and devolatilization of wheat straw during torrefaction

Shang, L., Ahrenfeldt, J., Holm, J. K., Barsberg, S., Luo, Y., Egsgaard, H. & Henriksen, U. B. 2013 In : Journal of Analytical and Applied Pyrolysis. 100, p. 145-152

Publication: Research - peer-review › Journal article – Annual report year: 2013

Lab and Bench-Scale Pelletization of Torrefied Wood Chips: Process Optimization and Pellet Quality

Shang, L., Nielsen, N. P. K., Stelte, W., Dahl, J., Ahrenfeldt, J., Holm, J. K., Puig Arnavat, M., Bach, L. S. & Henriksen, U. B. 2013 In : Bioenergy Research. 7, 1, p. 87-94

Publication: Research - peer-review › Journal article – Annual report year: 2014

Pelletizing properties of torrefied wheat straw

Stelte, W., Nielsen, N. P., Hansen, H. O., Dahl, J., Shang, L. & Sanadi, A. R. 2013 In : Biomass & Bioenergy. 49, p. 214-221

Publication: Research - peer-review › Journal article – Annual report year: 2013

Reprint of: Pelletizing properties of torrefied wheat straw

Stelte, W., Nielsen, N. P. K., Hansen, H. O., Dahl, J., Shang, L. & Sanadi, A. R. 2013 In : Biomass and Bioenergy. 53, p. 105-112

Publication: Research - peer-review › Journal article – Annual report year: 2012

Upgrading Fuel Properties of Biomass by Torrefaction

Shang, L., Ahrenfeldt, J., Henriksen, U. B. & Holm, J. K. 2013 Technical University of Denmark, Department of chemical and Biochemical Engineering. 146 p.

Publication: Research › Ph.D. thesis – Annual report year: 2013

Changes of chemical and mechanical behavior of torrefied wheat straw

Shang, L., Ahrenfeldt, J., Holm, J. K., Sanadi, A. R., Barsberg, S. T., Thomsen, T., Stelte, W. & Henriksen, U. B. 2012 In : Biomass & Bioenergy. 40, p. 63-70

Publication: Research - peer-review › Journal article – Annual report year: 2012

Quality effects caused by torrefaction of pellets made from Scots pine

Shang, L., Nielsen, N. P. K., Dahl, J., Stelte, W., Ahrenfeldt, J., Holm, J. K., Thomsen, T. & Henriksen, U. B. 2012 In : Fuel Processing Technology. 101, p. 23-28

Publication: Research - peer-review › Journal article – Annual report year: 2012

Quality of pellets from torrefied biomass and pellets torrefied at different temperatures

Shang, L., Dahl, J., Ahrenfeldt, J., Holm, K. K., Nielsen, N. P. K., Stelte, W., Thomsen, T., Bach, L. S. & Henriksen, U. B. 2012

Publication: Research - peer-review › Poster – Annual report year: 2012

Recent Developments in Biomass Pelletization - A Review

Stelte, W., Sanadi, A. R., Shang, L., Holm, J. K., Ahrenfeldt, J. & Henriksen, U. B. 2012 In : BioResources. 7, 3, p. 4451-4490

Publication: Research - peer-review › Journal article – Annual report year: 2012

An investigation of the application aspects of torrefaction

Shang, L. 2011

Publication: Research › Poster – Annual report year: 2011

Fuel pellets from torrefied biomass

Stelte, W., Clemons, C., Holm, J. K., Sanadi, A. R., Shang, L., Ahrenfeldt, J. & Henriksen, U. B. 2011

Publication: Research › Poster – Annual report year: 2011

Fuel pellets from torrefied biomass

Stelte, W., Clemons, C., Holm, J. K., Sanadi, A. R., Shang, L., Ahrenfeldt, J. & Henriksen, U. B. 2011

Publication: Research › Poster – Annual report year: 2011

Pelletizing Properties of Torrefied Biomass

Stelte, W., Clemons, C., Holm, J. K., Sanadi, A. R., Ahrenfeldt, J., Shang, L. & Henriksen, U. B. 2011

Publication: Research › Conference abstract for conference – Annual report year: 2011

Pelletizing properties of torrefied spruce

Stelte, W., Clemons, C., Holm, J. K., Sanadi, A. R., Ahrenfeldt, J., Shang, L. & Henriksen, U. B. 2011 In : Biomass & Bioenergy. 35, 11, p. 4690-4698

Publication: Research - peer-review › Journal article – Annual report year: 2011

Initial kinetics of the direct sulfation of limestone

Hu, G., Shang, L., Dam-Johansen, K., Wedel, S. & Hansen, J. P. 2008 In : AIChE Journal. 54, 10, p. 2663-2673

Publication: Research - peer-review › Journal article – Annual report year: 2008

Projects:

Upgrading Fuel Properties of Biomass Fuel and Waste by Torrefaction

Shang, L., Ahrenfeldt, J., Henriksen, U. B., Holm, J. K., Jensen, P. A., Nordin, A. & Teislev, B. I. B. 01/01/2010 → 24/06/2013

Project: PhD