

LIST OF PUBLICATIONS

134. Huhtanen, P., Nousiainen, J.I., Rinne, M., Kytölä, K. and Khalili, H. 2008. Utilization and partitioning of dietary nitrogen in dairy cows fed grass silage based diets. *J. Dairy Sci.* 91:3589–3599
133. Huhtanen, P., Seppälä, A., Ahvenjärvi, S., Rinne, M. 2008. Prediction of in vivo NDF digestibility and digestion rate of potentially digestible NDF: Comparison of models. *Journal of Animal Science* 86:2657-2669
132. Shingfield, K., Arölä, A., Ahvenjärvi, S., Vanhatalo, A., Toivonen, V., Griinari, J.M., Huhtanen, P. 2008. Ruminant infusions of cobalt-ethylenediamine-tetraacetic acid reduce mammary δ^9 -desaturase index and alter milk fatty acid composition in lactating cows. *Journal of Nutrition* 138: 710–717, 2008
131. Huhtanen, P., Rinne, M., Nousiainen, J. 2008. Effects of silage soluble N components on metabolizable protein concentration: a meta-analysis of dairy cow production experiments *Journal of Dairy Science*. 91:1150-1158
130. Huhtanen, P., Rinne, M., Nousiainen, J. 2008 Evaluation of the concentrate factors affecting silage intake of dairy cows; a development of the relative total diet intake index. *Animal* 2: 942-953.
129. Stevnebo, A., Seppälä, A., Harstad, O-M., Huhtanen, P. 2008. Ruminal starch digestion characteristics *in vitro* of barley cultivars with varying amylose content. *Animal Feed Science and Technology* 148, 167-182.
128. Huhtanen, P., Seppälä, A., Ots, M., Ahvenjärvi, S., Rinne, M. 2008. Use of in vitro gas production profiles in estimating digestion rate parameters: prediction of in vivo cell wall digestibility and effective first-order digestion rate in the rumen. *Journal of Animal Science* 86:651-659.
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126. Shingfield, K.J., Ahvenjärvi, S., Toivonen, V., Vanhatalo, A., Huhtanen, P., Griinari, J.M. 2008. Effect of incremental levels of sunflower oil in the diet on ruminal lipid metabolism in lactating cows. *British Journal of Nutrition* 99:971–983
125. Bayat, A.R., Rinne, M., Khalili, H. R., Valizadeh, R., Huhtanen, P. 2007. Estimation of digesta kinetics of different particle size fractions using rumen evacuation technique in dairy cows fed red clover-grass silage. *Journal of Animal and Feed Sciences* 16: 539–555.
124. Huhtanen, P., Asikainen, U., Arkkila, M., Jaakkola, S. 2007. Cell wall digestion and passage kinetics estimated by marker and in situ methods or rumen evacuation technique in cattle fed hay 2 or 18 times daily. *Animal Feed Science and Technology* 133: 206-227.
123. Shingfield, K.J., Ahvenjärvi, S., Toivonen, V., Vanhatalo, A., Huhtanen, P. 2007. Transfer of absorbed *cis*-9, *trans*-11 conjugated linoleic acid into milk is biologically more efficient than endogenous synthesis from absorbed vaccenic acid in the lactating dairy cow. *Journal of Nutrition* 137: 1154-1160
122. Huhtanen, P., Rinne, M. 2007. Effects of increasing the milk yield on milk composition. *Journal of Animal and Feed Sciences*, 16, Suppl. 1 42-58.

121. Huhtanen, P., Rinne, M., and Nousiainen, J. 2007. Evaluation of the factors affecting silage intake of dairy cows; a revision of the relative silage dry matter intake index. *Animal*, 1, 758-770.
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