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Yang, Liping

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SO₂ - NUTRIENT OR TOXIN FOR CHINESE CABBAGE

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FOR CHINESE CABBAGE**

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Liping Yang

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te Chongqing, China

Promotor: prof. dr. J.T.M. Elzenga

Copromotores: dr. L.J. De Kok
dr. G. Stulen

Beoordelingscommissie: prof. dr. J.P. Bakker
prof. dr. M. Kropff
prof. dr. E. Schnug

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The following papers cover part of this thesis:

- De Kok, L.J., Castro, A., Durenkamp, M., Stuiver, C.E.E., Westerman, S., Yang, L. and Stulen, I. 2002. Sulphur in plant physiology. Proceedings No. 500, International Fertiliser Society, York, U.K., pp. 1-26 (Chapter 1)
- De Kok, L.J., Castro, A., Durenkamp, M., Koralewska, A., Posthumus, F.S., Stuiver, C.E.E., Yang, L. and Stulen, I. 2005. Pathways of plant sulfur uptake and metabolism - an overview. Landbauforschung Völkenrode, Germany, Special Issue 283: 5-13 (Chapter 1)
- Yang, L., Stulen, I., De Kok, L.J. and Zheng, Y. 2002. SO₂, NO_x and acid deposition problems in China - Impact on agriculture. *Phyton* 42(3): 255-264 (Chapter 2)
- Yang, L., Stulen, I. and De Kok, L.J., 2003. Interaction between atmospheric sulfur dioxide deposition and pedospheric sulfate nutrition in Chinese cabbage. In: Davidian, J.-C., Grill, D., De Kok, L.J., Stulen, I., Hawkesford, M.J., Schnug, E., Rennenberg, H. (eds.), *Sulfur Transport and Assimilation in Plants: Regulation, Interaction and Signaling*, Backhuys Publishers, Leiden, pp. 363-365 (Chapter 3)
- Yang L., Stulen I. and De Kok L.J. 2004. Response of two cultivars of Chinese cabbage to elevated atmospheric SO₂. *Comparative Biochemistry and Physiology. Part A* 137: S243 (Chapter 4)
- Yang, L., Stulen, I. and De Kok, L.J. 2005. Sulfur dioxide: relevance of toxic and nutritional effects for Chinese cabbage. *Environmental and Experimental Botany*, (in press) (Chapter 4)
- Yang, L., Stulen, I., De Kok and L.J. 2005. Impact of sulfate nutrition on the utilization of atmospheric SO₂ as sulfur source for Chinese cabbage. *Journal of Plant Nutrition and Soil Science*, (submitted) (Chapter 5)
- Yang, L., Stulen, I. and De Kok, L.J. 2005. Sulfur status of Chinese soils and response of Chinese cabbage to sulfur fertilization in the Beijing area. *Landbauforschung Völkenrode, Special Issue 283: 163-170* (Chapter 6)

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