

Publication list of T. Koike in English

Original paper:

>2013

- (1) Watanabe, M., Hoshika, Y., Inada, N. and Koike, T. (2013) Canopy carbon budget of Siebold's beech (*Fagus crenata*) saplings exposed to ozone. Environmental Pollution. (in press)
- (2) Watanabe, M., Hoshika, Y., Inada, N., Wang XN, Mao, QZ. and Koike, T. (2013) Photosynthetic traits of Siebold's beech and oak saplings grown under free air ozone exposure in northern Japan. Environmental Pollution. 174, 50-56
- (3) Hoshika, Y., Tatsuta, S., Watanabe, M., Wang XN, Watanabe, Y., Saito, H., and Koike, T. (2013) Effect of ambient ozone at the somma of Lake Mashu on growth and leaf gas exchange in *Betula ermanii* and *B. platyphylla* var. *japonica*. Environmental and Experimental Botany 90: 12–16 (DOI:10.1016/j.envexpbot.2012.11.003)
- (4) Mao QZ, Watanabe M, Makoto K, Kita K and Koike T (2013) High nitrogen deposition may enhance growth of the new hybrid larch F₁ growing at two phosphorus levels. Landscape and Ecological Engineering DOI10.1007/s11355-0212-0207-2

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- (5) Hoshika, Y., Watanabe, M., Inada, N., and Koike, T. (2012) Growth and leaf gas exchange in three birch species exposed to elevated ozone and CO₂ in summer. Water, Air, and Soil Pollution, 223: 5017-5025, DOI: 10.1007/s11270-012-1253-y
- (6) Kim, YS, Yi, MJ, Lee YY, Son YH and Koike T. (2012) Characteristics of soil CO₂ efflux in even-aged alder compared to Korean pine plantation in central Korea. Journal of Forest Science 28: 232-241.
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- (9) Novriyanti, E., Watanabe, M., Makoto, K., Takeda, T., Hashidoko, Y. And Koike, T. (2012) Photosynthetic nitrogen and water use efficiency of acacia and eucalypt seedlings as afforestation species. Photosynthetica 50: 273-281.
- (10) Komatsu, M., Tobita, H., Watanabe, M., Yazaki, K., Koike, T., and Kitao, M. (2012) Photosynthetic down-regulation in leaves of the Japanese white birch grown under elevated CO₂ concentration does not change their temperature-dependent susceptibility to photoinhibition. Physiologia Plantarum doi:10.1111/j.1399-3054.2012.01651.x
- (11) Kawaguchi, K., Watanabe, M., Hoshika, Y. and Koike, T. (2012) Ecophysiological responses of Northern Birch Forests to changing atmospheric environment, Asian Journal of Atmospheric Environment 6:196-205
- (12) Kitao, M., Tobita, H., Utsugi, H., Komatsu, M., Kitaoka, S., Maruyama, Y. and Koike, T. 2012. Photosynthetic traits around budbreak in pre-existing needles of

- Sakhalin spruce (*Picea glehnii*) seedlings grown under elevated CO₂ concentration assessed by chlorophyll fluorescence measurements. *Tree Physiology*. 32: 998-1007.
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- (14) Koike, T., Mao, QZ., Inada, N., Kawaguchi, K., Hoshika, Y., Kita, K. and Watanabe, M. (2012) Growth and photosynthetic responses of cuttings of a hybrid larch (*Larix gmelinii* var. *japonica* x *L. kaempferi*) to elevated ozone and/or carbon dioxide. *Asian Journal of Atmospheric Environment* 6:104-110.
- (15) Watanabe, M., Ryu, K., Kita, K., Takagi, K. and Koike, T. (2012) Effects of nitrogen load on the growth and photosynthesis of hybrid larch F₁ (*Larix gmelinii* var. *japonica* x *L. kaempferi*) seedlings grown on serpentine soil. *Environmental and Experimental Botany* 83, 73-81.
- (16) Watanabe, M., Watanabe, Y., Kim Y.S. and Koike, T. (2012) Dark aerobic methane emission associated to leaf factors of two *Acacia* and five *Eucalyptus* species. *Atmospheric Environment* 54, 277-281.
- (17) Koike, T.² (2012) Forest history of Japan with changing environment. *Studia i Materialy Osrodka Kultury Lesnej* 11: 109-130.
- (18) Hoshika, Y., Watanabe, M., Inada, N. And Koike, T. (2012) Ozone-induced stomatal sluggishness develops progressively in Siebold beech (*Fagus crenata*). *Environmental Pollution* 166: 152-156. DOI:10.1016/j.envpol.2012.03.013
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- (31) Koike, T., Shimizu, Y. and Ito, S. (2011) Development and application of Forest Aesthetics in Japan in relation to the ideas of H. von Salisch. *Studia i Materialy Osrodka Kultury Lesnej* 10: 47-62.
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