

Publication list of T. Koike in English

Original paper:

>2008

- (1) Koike, T., Shoji, Y., Uemura, S., Shibata, H. and Sasa, K. (2008) Conservation of the Mixed Conifer-Broadleaf Forests and Educational Development of Hokkaido University Forests in Northern Japan. *Sustainability Science* 4: (accept for publication after revision)
- (2) Choi, D.S., Jin, H.O., Chung, D. J. Sasa, K. and Koike, T. (2008) Growth and physiological activity in *Larix kaempferi* seedlings inoculated with ectomycorrhizae affected by soil acidification. *Trees - Structure and Function* (online)
- (3) Eguchi, N., Karatsu, K., Ueda, T., Funada, R., Takagi, K., Hiura, T., Sasa, K. and Koike, T. (2008) Photosynthetic responses of birch and alder saplings grown in a free air CO₂ enrichment system in northern Japan. *Trees - Structure and Function* (DOI:10.1007/s00468-007-0204-
- (4) Watanabe, Y., Tobita, H., Kitao, M., Maruyama, Y., Choi, D.S., Sasa, K., Funada, R. and Koike, T. (2008) Effects of elevated CO₂ and nitrogen on wood structure related to water transport in seedlings of two deciduous broad-leaved tree species. *Trees - Structure and Function* (on line)
- (5) Kitahashi, Y., Ichie, T., Maruyama, Y., Kenzo, T., Kitaoka, S., Matsuki, S., Nakashizuka, T. and Koike, T. (2008) Photosynthetic water use efficiency in tree crowns of tropical emergent species in Sarawak, Malaysia. *Photosynthetica* 46: 151-155.
- (6) Eguchi, N., Morii, N., Ueda, T., Funada, R., Takagi, K., Hiura, T. and Sasa, K. and Koike, T. (2008) Changes in petiole hydraulic structure and leaf water flow in birch and oak saplings in an enhanced CO₂ environment. *Tree Physiology* 28:287-295.

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- (7) Ishii, H., Kitaoka, S., Fujisaki, T., Maruyama, Y. and Koike, T. (2007) Plasticity of shoot and needle morphology and photosynthesis of two *Picea* species with different site preferences in northern Japan. *Tree Physiology* 27: 1595–1605.
- (8) Kitaoka, S., Sakata, T., Koike, T., Tobita, H., Uemura, A., Kitao, M., Maruyama, Y., Sasa, K. and Utsugi, H. (2007) Methane emission from leaves of larch, birch and oak saplings grown under elevated CO₂ in northern Japan –A preliminary study- *Journal of Agriculture Meteorology* 63: 201-206.
- (9) Kayama, M., Kitaoka, S., Choi, D.S. Wang, W. and Koike, T. (2007) Needle longevity and growth characteristics of eight spruce species planted in northern Japan. *Tree Physiology* 27: 1585-1593.
- (10) Kitao, M., Lei, T.T., Koike, T., Kayama, M., Tobita, H. and Maruyama, Y. (2007) Interaction of drought and elevated CO₂ concentration on photosynthetic down-regulation and susceptibility to photoinhibition in Japanese white birch seedlings grown under limited N availability. *Tree Physiology* 27: 727-735.
- (11) Wang, W., Wang, H., Zu, Yuangang, Yu, Jinghua and Koike, T. (2007) Photosynthetic characteristics of regenerated plantlets of *Camptotheca acuminata* as a diagnostic for tissue cultured plantlets in acclimatization in field growth. *Eurasian Journal of Forest Research* 10: 201-207.
- (12) Shinano, T., Yamamoto, T., Tawaraya, T., Tadokoro, M., Koike, T. and Osaki,

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- (15) Makoto, K., Nemilostiv, Y.P., Zyryanova, O.A., Kajimoto, T., Matsuura, Y., Yoshida, T., Satoh, F., Sasa, K. and Koike, T. (2007) Regeneration after forest fires in mixed conifer broadleaved forests of the Amur region in Far Eastern Russia: the relationship between species specific traits against fire and recent fire regimes. *Eurasian Journal of Forest Research* 10: 51-58.
- (16) Koike, T., Kitaoka, S., Masyagina, O.V., Watanabe, Y., Ji, D.H., Maruyama, Y. and Sasa, K. (2007) Nitrogen dynamics in leaves of deciduous broad-leaved tree seedlings grown in a unmanaged larch plantation in northern Japan. *Eurasian Journal of Forest Research* 10: 115-119
- (17) Makoto, K. and Koike, T. (2007) Effects of nitrogen supply on photosynthetic and anatomical changes in current-year needles of *Pinus koraiensis* seedlings grown under two irradiances. *Photosynthetica* 45:99-104.
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- (19) Yanagihara, Y., Shibata, H., Matsuura, Y. and Koike, T. (2006) Effects of soil and vegetation types on soil respiration rate in larch plantations and a mature deciduous broadleaved forest in northern Japan. *Eurasian Journal of Forest Research* 9:79-95.
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- (23) Wang, W., Y.G. Zu, X.Q. Zhang, X.Y. Li, T. Hirano and T. Koike (2006) Newly-formed photosynthates and the respiration rate of girdled stems of Korean pine (*Pinus koraiensis* Sieb. et Zucc.) . *Photosynthetica* 43: 147-150.
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- (30) Wang, W., Zu, Y., Cui, S., Hirano, T., Takagi, K., Watanabe, Y. and Koike, T. (2006) Changes in CO₂ exchange during the development of larch (*Larix gmelinii* (Rupr.) Rupr.) cones. *Tree Physiology* 26:1363–1368.
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