Contribution to Book chapter in English

Koike, T., Watanabe, M., Hoshika, Y., Kitao, M., Matsumura, H., Funada, R. and Izuta, T. (2013) Effects of ozone on forest ecosystems in East and Southeast Asia. *In*: Matyssek, R., Clarke, N., Cudlin, P., Mikkelsen, T.N., Tuovinen, J.-P., Wieser, G. and Paoletti, E., eds., Climate Change, Air Pollution and Global Challenges: Understanding and Solutions from Forest Research, A COST action, Elsevier.

Koike, T. eds (2012) Silviculture and Forest ecology in a changing environment. In: Agricultural Sciences for Human Sustainability, Kaiseisha, Ohtsu, 121-122.

Koike, T. (2012) Silviculture and Forest Ecology in a Changing Environment, In Hashidoko, Y. et al.(eds.) (2012) Agricultural science for human sustainability, Kaisei-sha Publihser, Otsu, 121-122.

Morishita, T., Masuyagina, O.V., Koike, T. and Matsuura, Y. (2010) Soil respiration in larch forests. *In:* Osawa, A., Zyryanova O. A. Matsuura, Y. Kajimoto, T. and Wein, R.W. eds., Permafrost Ecosystem: Siberian Larch Forests. Ecological Studies 209, Springer Verlag. 165-182.

Koike, T., Mori, S., Zyryanova, O.A., Kajimoto, T., Matsuura, Y. and Abaimov, A.P. (2010) Photosynthetic characteristics of trees and shrubs grown at north- and south-facing slopes in central Siberia. *In:* Osawa, A., Zyryanova O. A. Matsuura, Y. Kajimoto, T. and Wein, R.W. eds., Permafrost Ecosystem: Siberian Larch Forests. Ecological Studies 209, Springer Verlag. 273-288.

Yasue, K., Kujansuu, J., Kajimoto, T., Nakai, Y., koike, T., Abaimov, A.P. and Matsuura, Y. (2010) Seasonal changes in stem radial growth of *Larix gmelinii* in central Siberia in relation to its climate responses. *In:* Osawa, A., et al. eds., Permafrost Ecosystem. Ecological Studies 209, Springer Verlag. 331-346.

Shi, F., Sasa, K. and Koike, T. (2010) Characteristics of larch forests in Daxingan Mountains, Northeast China. *In:* Osawa, A., et al. eds., Permafrost Ecosystem. Ecological Studies 209, Springer Verlag. Ecological Studies 209, Springer Verlag. 367-384.

Jomura, M., Wang W.J., Masuyagina, O.V., Homma, S., kanazawa, Y. Zu, Y.G. and Koike, T. (2010) Carbondynamics of larch plantations in northeastern China and Japan. *In:* Osawa, A., et al. eds., Permafrost Ecosystem. Ecological Studies 209, Springer Verlag. 385-412.

Qu L., Makoto K., Choi D.S., Quoreshi A.M. and Koike T. (2010) The role of ectomycorrhiza in boreal forest ecosystem. *In:* Osawa, A., et al. eds., Permafrost Ecosystem. Ecological Studies 209, Springer Verlag. Ecological Studies 209, Springer Verlag, 413-426.

Koike. T., Yazaki, K., Eguchi, N., Kitaoka, S. and Funada, R. (2010) Effects of elevated CO_2 on ecophysiological responses of larch species native to Northeast Eurasia. *In:* Osawa, A., et al. eds., Permafrost Ecosystem. Ecological Studies 209, Springer Verlag, 447-458.

Koike, T. (2004) Autumn coloration, carbon acquisition, and leaf senescence. Eds: L.D. Nooden: Plant Cell Death Processes. Elsevier-Academic Press. Amsterdam, San Diego. 245-258.

Koike, T., Kitaoka, S., Ichie, T., Lei, T.T. and Kitao, M. (2004) Photosynthetic characteristics of mixed broadleaf forests from leaf to stand. *In:* Shiomi, M. and Kawahata, H. eds. Global Environmental Change in the Ocean and on land. TerraPub, Tokyo 453-472.

Schulze, E-D., Bazzaz, F.A., Nadelhoffer, K., Koike, T. and Takatsuki, S. (1996) SCOPE Series. Functional roles of biodiversity: A global perspective. Mooney, H.A., Cushman, J.H., Medina, E., eds. "Biodiversity and ecosystem function of temperate deciduous broad-leaved forests" John Wiler & Sons, Chichester, New York, Shingapore,. 71-98.

Koike, T. (1995) Vegetation Science in Forestry: Global Perspective based on Forest Ecosystems of East & Southeast Asia. E.O. Box et al. eds., "Physiological ecology of the growth characteristics of Japanese mountain birch in northern Japan: a comparison with Japanese mountain white birch", Kluwer Academic Publishers, The Netherlands, 409-422.

Reich, P.B., Koike, T, Gower, S.T. and Schoetlle, A (1995) Ecophysiology of coniferous forests. W.K. Smith and T.M. Hinkley eds. "Causes and consequences of variation in conifer leaf life-span", Academic Press, San Diego, 225-254.

Koike, T., Häsler, R. and Item, H. (1994) Needle longevity and photosynthetic performance in Cembran pine and Norway spruce growing on the north- and south-facing slopes at the timberline of Stillberg in the Swiss Alps. INT-GTR, USDA Forest Service, 309: 78-80.

Takahashi, K., Fujimura, Y. and Koike, T. (1987) Frost damage of Akaezomatsu (*Picea glehnii* Mast.) plantations by a cold air lake. In: Fujimori, T. and Kimura, M. eds. Human Impacts and management of Mountain Forests. Sobun-sha, Tokyo, 167-175.

Koike, T. (1987) The growth characteristics in Japanese mountain birch (*Betula ermanii*) and white birch (Betula platyphylla var. japonica) and their distribution in the northern part of Japan. In: Fujimori, T. and Kimura, M. eds. Human Impacts and management of Mountain Forests. Sobun-sha, Tokyo, 189-200.

Koike, T., Sakagami, Y. and Fujimura, Y. (1986) Characteristics of the leaf dynamics and photosynthesis of the seedlings and saplings of *Betula maximowicziana* and *Fraxinus mandshurica* var. *japonica* in Hokkaido, Japan. *In:* Fujimori, T. and Whitehead, D. eds. Crown and Canopy Structure in relation to Productivity, Forestry & Forest Products Research Institute, Sobun-sha, Tokyo, 396-408.