

----- EDITORIALS -----

Kohyama, T; Canadell, J; Ojima, DS, et al.

[Forest ecosystems and environments: scaling up from shoot module to watershed](#)

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----- ARTICLES -----

Hikosaka, K; Onoda, Y; Kinugasa, T, et al.

[Plant responses to elevated CO2 concentration at different scales: leaf, whole plant, canopy, and population](#)

ECOL RES, 20 (3): 243-253 MAY 2005

Kubo, T; Kohyama, T

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ECOL RES, 20 (3): 255-269 MAY 2005

Hiura, T

[Estimation of aboveground biomass and net biomass increment in a cool temperate forest on a landscape scale](#)

ECOL RES, 20 (3): 271-277 MAY 2005

Aiba, S; Takyu, M; Kitayama, K

[Dynamics, productivity and species richness of tropical rainforests along elevational and edaphic gradients on Mount Kinabalu, Borneo](#)

ECOL RES, 20 (3): 279-286 MAY 2005

Takyu, M; Kubota, Y; Aiba, S, et al.

[Pattern of changes in species diversity, structure and dynamics of forest ecosystems along latitudinal gradients in East Asia](#)

ECOL RES, 20 (3): 287-296 MAY 2005

Takenaka, A

[Local coexistence of tree species and the dynamics of global distribution pattern along an environmental gradient: a simulation study](#)

ECOL RES, 20 (3): 297-304 MAY 2005

Kohyama, T

[Scaling up from shifting-gap mosaic to geographic distribution in the modeling of forest dynamics](#)

ECOL RES, 20 (3): 305-312 MAY 2005

Takanashi, S; Kosugi, Y; Tanaka, Y, et al.

[CO2 exchange in a temperate Japanese cypress forest compared with that in a cool-temperate deciduous broad-leaved forest](#)

ECOL RES, 20 (3): 313-324 MAY 2005

Shibata, H; Hiura, T; Tanaka, Y, et al.

[Carbon cycling and budget in a forested basin of southwestern Hokkaido, northern Japan](#)

ECOL RES, 20 (3): 325-331 MAY 2005

Hiyama, T; Kochi, K; Kobayashi, N, et al.

[Seasonal variation in stomatal conductance and physiological factors observed in a secondary warm-temperate forest](#)

ECOL RES, 20 (3): 333-346 MAY 2005

Kawasaki, M; Ohte, N; Katsuyama, M

[Biogeochemical and hydrological controls on carbon export from a forested catchment in central Japan](#)

ECOL RES, 20 (3): 347-358 MAY 2005

Konohira, E; Yoshioka, T

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ECOL RES, 20 (3): 359-365 MAY 2005

Urabe, J; Yoshida, T; Gurung, TB, et al.

[The production-to-respiration ratio and its implication in Lake Biwa, Japan](#)

ECOL RES, 20 (3): 367-375 MAY 2005

Murase, J; Sakai, Y; Kametani, A, et al.

[Dynamics of methane in mesotrophic Lake Biwa, Japan](#)

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