

ACAP Publication List on Ecological Impact

Publication Type:

■ Peer-reviewed Articles

■ Books

■ Proceedings

■ Peer-reviewed Articles

Title	Alkalinization and acidification of stream water with changes in atmospheric deposition in a tropical dry evergreen forest of northeastern Thailand
Authors	Sase, H., Yamashita, N., Luangjame, J., Garivait, H., Kietvuttinon, B., Visaratana, T., Kamisako, M., Kobayashi, R., Ohta, S., Shindo, J., Hayashi, K., Toda, H., and Matsuda, K.
In	Hydrological Processes, doi: 10.1002/hyp.11062 (2016)
Title	Accurate and precise quantification of atmospheric nitrate in streams draining land of various uses by using triple oxygen isotopes as tracers
Authors	Tsunogai, U., Miyauchi, T., Ohyama, T., Komatsu, D. D., Nakagawa, F., Obata, T., Sato, K., and Ohizumi, T.
In	Biogeosciences, 13, pp. 3441-3459 (2016)
Title	Mapping the relative risk of surface water acidification based on cumulative acid deposition over the past 25 years in Japan
Authors	Yamashita, N., Sase, H., Ohizumi, T., Kurokawa, J., Ohara, T., Morino, Y., Kuribayashi, M., Ohta, S., Kaneko, S., Hayashi, K., Fukuhara, H., and Hakamata, T.
In	Journal of Forest Research, doi: 10.1007/s10310-016-0523-8 (2016)
Title	Atmospheric deposition versus rock weathering in the control of streamwater chemistry in a tropical rain-forest catchment in Malaysian Borneo
Authors	Yamashita, N., Sase, H., Kobayashi, R., Leong, K-P., Hanapi, J.M., Uchiyama, S., Urban, S., Toh, Y-Y., Muhamad, M., Gidiman, J., and Chappell, N.A.
In	Journal of Tropical Ecology, 30, pp. 481-492, doi: 10.1017/S0266467414000303 (2014)
Title	Seasonal variation of water chemistry and sulfur budget in an acid-sensitive river along the Sea of Japan
Authors	Kobayashi, R., Sumarriani, Y., Yamashita, N., Ohta, T., Matsubara, H., Yagoh, H., Nakata, M., and Sase, H.
In	Limnology, 14, pp. 195-209 (2013)
Title	Evaluation of the effect of surface ozone on main crops in East Asia: 2000, 2005, and 2020
Authors	Amin, N., Yamashita, K., Ohara, T., Kurokawa, J., and Yamaji, K.
In	Water, Air, & Soil Pollution, 224, pp. 1-19 (2013)
Title	The effect of ground level ozone on vegetation: the case of spatial variability of crops in the People's Republic of China
Authors	Nawahda, A., and Yamashita, K.
In	International Journal of Society Systems Science, 5(1), doi: 10.1504/IJSSS.2013.052008 (2013)

ACAP Publication List on Ecological Impact

Title	Dry and wet deposition of elemental carbon on a tropical forest in Thailand
Authors	Matsuda, K., Sase, H., Murao, N., Fukazawa, T., Khoomsab, K., Chanonmuang, P., Visaratana, T., and Khummongkol, P.
In	Atmospheric Environment, 54, pp. 282-287 (2012)
Title	Soil depth and soil water regime in a catchment where tropical dry evergreen and deciduous forests coexist
Authors	Murata, N., Ohta, S., Ishida, A., Kanzaki, M., Wachirinrat, C., Artchawakom, T., and Sase, H.
In	Journal of Forest Research, 17, pp. 37-44 (2012)
Title	Effects of long-term exposure to black carbon particles on growth and gas exchange rates of <i>Fagus crenata</i>, <i>Castanopsis sieboldii</i>, <i>Larix kaempferi</i> and <i>Cryptomeria japonica</i> seedlings
Authors	Yamaguchi, M., Otani, Y., Takeda, K., Lenggoro, W., Ishida, A., Yazaki, K., Noguchi, K., Sase, H., Murao, N., Nakaba, S., Yamane, K., Kuroda, K., Sano, Y., Funada, R., and Izuta T.
In	Asian Journal of Atmospheric Environment, 6, pp. 259-267 (2012)
Title	Deposition process of sulfate and elemental carbon in Japanese and Thai forests
Authors	Sase, H., Matsuda, K., Visaratana, T., Garivait, H., Yamashita, N., Kietvuttinon, B., Hongthong, B., Luangjame, J., Khummongkol, P., Shindo, J., Endo, T., Sato, K., Uchiyama, S., Miyazawa, M., Nakata, M., and Lenggoro, I.W.
In	Asian Journal of Atmospheric Environment, 6, pp. 246-258 (2012)
Title	Optical method for measuring deposition amount of black carbon particles on foliar surface
Authors	Yamaguchi, M., Takeda, K., Otani, Y., Murao, N., Sase, H., Lenggoro, I.W., Yazaki, K., Noguchi, K., Ishida, A., and Izuta, T.
In	Asian Journal of Atmospheric Environment, 6, pp. 268-274 (2012)
Title	Seasonal changes in multi-scale spatial structure of soil pH and related parameters along a tropical dry evergreen forest slope
Authors	Yamashita, N., Ohta, S., Sase, H., Kietvuttinon, B., Luangjame, J., Visaratana, T., and Garivait, H
In	Geoderma, 165, pp. 31-39 (2011)
Title	Soil and stream water acidification in a forested catchment in central Japan
Authors	Nakahara, O., Takahashi, M., Sase, H., Yamada, T., Matsuda, K., Ohizumi, T., Fukuhara, H., Inoue, T., Takahashi, A., Kobayashi, H., Hatano, R., and Hakamata, T.
In	Biogeochemistry, 97, pp.141-158, doi: 10.1007/s10533-009-9362-4 (2010)
Title	Seasonal and spatial variation of nitrogen dynamics in the litter and surface soil layers on a tropical dry evergreen forest slope
Authors	Yamashita, N., Ohta, S., Sase, H., Luangjame, J., Visaratana, T., Kietvuttinon, B., Garivait, H., and Kanzaki, M.
In	Forest Ecology and Management, 259, pp. 1502-1512, doi: 10.1016/j.foreco.2010.01.026 (2010)

ACAP Publication List on Ecological Impact

Title	Long-term declining trends of river water pH in Central Japan
Authors	Matsubara, M., Morimoto, S., Sase, H., Ohizumi, T., Sumida, H., Nakata, M., and Ueda, H.
In	Water, Air, and Soil Pollution, 200, pp. 253-265, doi: 10.1007/s11270-008-9909-3 (2009)
Title	Comparison of soil depths between evergreen and deciduous forests as a determinant of their distribution, Northeast Thailand
Authors	Murata, N., Ohta, S., Ishida, A., Kanzaki, M., Wachirinrat,C., Artchawakom, T., and Sase, H.
In	Journal of Forest Research, 14, pp. 212-220, doi: 10.1007/s10310-009-0127-7 (2009)
Title	Seasonal variation in the atmospheric deposition of inorganic constituents and canopy interactions in a Japanese cedar forest
Authors	Sase, H., Takahashi, A., Sato, M., Kobayashi, H., Nakata, M., and Totsuka, T.
In	Environmental Pollution, 152, pp. 1-10 (2008)
Title	Seasonal and annual fluxes of inorganic constituents in a small catchment of a Japanese cedar forest near the Sea of Japan
Authors	Kamisako, M., Sase, H., Matsui, T., Suzuki, H., Takahashi, A., Oida, T., Nakata, M., Totsuka, T., and Ueda, H.
In	Water, Air, and Soil Pollution, 195, pp. 51-61. doi: 10.1007/s11270-008-9726-8 (2008)
Title	Long-term Trends in Surface Water Quality of Five Lakes in Japan
Authors	Yamada, T., Inoue, T., Fukuhara, H., Nakahara, O., Izuta, T., Suda, R., Takahashi, M., Sase, H., Takahashi, A., Kobayashi, H., Ohizumi, T., Hakamata, T., and Hara, H.
In	Water, Air, and Soil Pollution: Focus, 7, pp. 259-266 (2007)
Title	Response to O₃ and SO₂ for five Mongolian semiarid plant species
Authors	Shimizu, H., An, P., Zheng, Y. R., Chen, L. J., Sase, H., Totsuka, T., Bulgan, T., and Zheng, Y.
In	Phyton (Horn, Austria), 45, pp. 601-607 (2005)
Title	Tree decline and its possible causes around Mt. Bogdkhan in Mongolia
Authors	Sase, H., Bulgan, T., Batchuhuluun, T., Shimizu, H., and Totsuka, T.
In	Phyton (Horn, Austria), 45, pp. 583-590 (2005)

ACAP Publication List on Ecological Impact

■ Books

Title	Acid deposition (Chapter 3)
Authors	Sase, H.
In	Air Pollution Impacts on Plants in East Asia, Springer Japan, T Izuta (eds), doi: 10.1007/978-4-431-56438-6 (2017)
Title	Environmental monitoring with indicator plants for Air pollutants in Asia (Chapter 7)
Authors	Sase, H.
In	Air Pollution Impacts on Plants in East Asia, Springer Japan, T Izuta (eds), doi: 10.1007/978-4-431-56438-6 (2017)
Title	Forest and related-ecosystem monitoring in Acid Deposition Monitoring Network in East Asia (EANET) (Chapter 3)
Authors	Sase, H., Carandang, W. M., Philip, E., Takahashi, M., and Yamashita, N.
In	Forest monitoring, Terrestrial methods in Europe with outlook to North America and Asia, Elsevier B.V., Ferretti, M. and Fischer, R. (eds.), pp. 33-48 (2013)
Title	Atmospheric deposition and its leaf surface interactions in Japanese cedar forests
Authors	Sase, H., and Takamatsu, T.
In	Forest Canopies: Forest Production, Ecosystem Health and Climate Conditions. Nova Science Publishers, New York, Creighton, J.D. and Roney, P.J. (eds.), pp. 127-141 (2009)
Title	Major activities of acid deposition monitoring network in East Asia (EANET) and related studies
Authors	Totsuka, T., Sase, H., and Shimizu, H.
In	Plant Responses to Air Pollution and Global Change, Springer-Verlag Tokyo, Omasa, K., Nouchi, I., and De Kok, L. J. (eds.), pp. 251-259 (2005)
Title	Forest Assessment for Changing Information Needs (Chapter 8)
Authors	Lorenz, M., Varjo, J., Bahamondez, C., Brack, C., Clarke, M., Gillis, M., Hirvonen, H., Kleinn, C., Riebau, A., Sase, H., and Totsuka, T.
In	Forests in the Global Balance – Changing Paradigms. IUFRO World Series Volume 17. Helsinki, Mery, G., Alfaro, R., Kanninen, M., Lobovikov, M. (eds.), ISBN 3-901347-55-0 ISSN 1016-3263, pp. 139-150 (2005)

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■ Proceedings

Title	Long-term trend on stream water chemistry and sulfur budget in an acidified forested catchment in central Japan
Authors	Sase, H., Matsuda, K., Sato, K., Tanikawa, T., Yamashita, N., Ohizumi, T., Ishida, T., Kamisako, M., Kobayashi, R., Uchiyama, S., Saito, T., Morohashi, M., Fukuhara, H., Kaneko, S., Inoue, T., Yamada, T., and Takenaka, C., Nakano, T., Hakamata, T., and Ohta, S.
In	Proceedings of 9th International Conference on Acid Deposition, 2015, Rochester, USA, p. 41 (2015)
Title	Deposition process of black carbon in East Asian forests
Authors	Sase, H., Matsuda, K., Visaratana, T., Garvait, H., Yamashita, N., Kietvuttinon, B., Hongthong, B., Kobayashi, R., Luangjame, J., Khummongkol, P., Shindo, J., Endo, T., and Sato, K.
In	Proceedings of 8th International Conference on Acid Deposition, 2011, Beijing, China, T3-3 (2011)
Title	Impact of coal burning-derived aerosol on tree decline in Ulaanbaatar, Mongolia
Authors	Sato, K., Yagoh, H., Sase, H., Yamashita, N., Ohizumi, T., and Baldorj, B.
In	Proceedings of 8th International Conference on Acid Deposition, 2011, Beijing, China, S4-9 (2011)
Title	Comparison of soil nutrient status between dry evergreen and deciduous forests in northeast Thailand
Authors	Tominaga, K., Ohta, S., Ishida, A., Kanzaki, M., Wachrinrat, C., Archawakom, T., and Sase, H.
In	Proceedings of the FORTROP II: Tropical Forestry Change in a Changing World, Kasetsart University, Bangkok, Thailand on 17-20 November 2008, pp. 171-200 (2010)
Title	Water use of <i>Albizia lebbek</i> on saline soil in Kalasin province, Northeast Thailand
Authors	Luangjame, J.
In	The XXIII IUFRO World Congress, "Forests for the Future: Sustaining Society and the Environment," in Seoul, Korea on 23-28 August 2010 (2010)
Title	CO₂ uptake in <i>Eucalyptus camaldulensis</i> on saline soils in Northeast, Thailand
Authors	Luangjame, J., and Munklarat, C.
In	The Sylva-World 2010 (SWC-2010) Conference on "People, Forests and the Environment: Coexisting in Harmony" in Casablanca, Morocco on 25-27 May 2010 (2010)
Title	Water use of teak plantation in Thongphaphum district, Kanchanaburi province
Authors	Luangjame, J., Munklarat, C., and Kanurai, P.
In	The 24th IUFRO Conference for Specialists in Air Pollution and Climate Change Effects on Forest Ecosystems: Adaptation of Forest Ecosystems to Air Pollution and Climate Change in Antalya, Turkey on 23-25 March 2010 (2010)
Title	CO₂ uptake of teak at experimental plots in Kanchanaburi province
Authors	Luangjame, J., and Munklarat, C.
In	The 24th IUFRO Conference for Specialists in Air Pollution and Climate Change Effects on Forest Ecosystems: Adaptation of Forest Ecosystems to Air Pollution and Climate Change in Antalya, Turkey on 23-25 March 2010 (2010)