

Publication list of ACAP

Study fields	Publications	Language (if not in English)
A) Peer-reviewed paper: (Authors, Year. Title, <i>Journal</i> Vol: Pages)		
AP	1) Iijima A., Sato K., Ikeda T., Sato H., Kozawa K. and Furuta N. 2010. Concentration distributions of dissolved Sb (III) and Sb (V) species in size-classified inhalable airborne particulate matter. <i>Journal of Analytical Atomic Spectrometry</i> 25: 356-363. doi: 10.1039/b920597g	
AP	2) Iijima A., Sato K., Fujitani Y., Fujimori E., Saito Y., Tanabe K., Ohara T., Kozawa K., Furuta N. 2009. Clarification of the predominant emission sources of antimony in airborne particulate matter and estimation of their effects on the atmosphere in Japan. <i>Environmental Chemistry</i> 6: 122-132. doi: 10.1071/EN08107	
AP	3) Sato K., Takenaka N., Bandow H., Maeda Y. 2008. Evaporation Loss of Dissolved Volatile Substances from an Ice Surfaces. <i>Journal of Physical Chemistry A</i> 112: 7600-7607. doi: 10.1021/jp075551r	
AP	4) Kominami T., Matsuda K., Ohizumi T., Hara H., 2005. Estimation of Annual Deposition of Sulfur Oxides during the Year 2001 at EANET Monitoring Sites, <i>Journal of Japan Society for Atmospheric Environment</i> 40: 104-111.	
AP	5) <u>Hayashi, K.</u> , Noguchi, I., Ohizumi, T., Aikawa, M., Takahashi, A., Tanimoto, H., Matsuda, K., Minami, Y., and Hara, H., 2005. Wet deposition of inorganic nitrogen in Japan: Findings from the Japanese Acid Deposition Survey, <i>In</i> Z. Zhu, K. Minami and G. Xing (eds.), <i>3rd International Nitrogen Conference Contributed Papers</i> , Science Press USA, 598-608.	
AP	6) Kano, N., Kikuchi, T., Sakamoto, N., Imaizumi, H., Murayama, H., Yagoh, H. and Ohizumi, T., 2006. Environmental characteristics of precipitations based on both oxygen stable isotopic ratio and concentration of rare earth elements (REEs), thorium (Th), uranium (U) in Niigata Prefecture, <i>Radioisotopes</i> , 55, 307-317.	
AP	7) Ohizumi T., 2006. Wet and Dry Deposition Monitoring on Acid Deposition Monitoring Network in East Asia, <i>Journal of Aerosol Research</i> , 21, 108-113.	

AP	8) <u>Hayashi, K.</u> , Noguchi, I., Ohizumi, T., Aikawa, M., Kitamura, M., Takahashi, A., Matsuda, K., Minami, Y., and Hara, H., 2006. Key features of wet deposition in Japan: Results of the Japanese Acid Deposition Survey for 20 years, <i>IGACtivities Newsletter</i> , 33, 2-6.
AP	9) Matsuda, K., Watanabe, I., Wingpud, V., Theramongkol, P., Ohizumi, T., 2006. Deposition velocity of O ₃ and SO ₂ in the dry and wet season above a tropical forest in northern Thailand, <i>Atmospheric Environment</i> , 40, 7557-7564.
AP	10) Noguchi, I., <u>Hayashi, K.</u> , Aikawa, M., Ohizumi, T., Minami, Y., Kitamura, M., Takahashi, A., Tanimoto, H., Matsuda, K., and Hara, H. 2007. Temporal trend of non-sea salt sulfate and nitrate in wet deposition in Japan, <i>Water, Air, and Soil Pollution: Focus</i> , 7, 67-75.
EI	11) Yamada T., Inoue T., Fukuhara H., Nakahara O., Izuta T., Suda R., Takahashi M., Sase H., Takahashi A., Kobayashi H., Ohizumi T., Hakamata T., Hara H., 2007. Long-term Trends in Surface Water Quality of Five Lakes in Japan, <i>Water, Air, and Soil Pollution: Focus</i> , 7, 259-266.
LT	12) Inomata, Y., Igarashi, Y., Yoshioka, K., Tanaka, Y.T., Chiba, M. 2010. Temporal variation of ²²² Rn at the summit of Mt. Fuji associated with the Asian continental outflow. <i>Atmospheric Environment</i> 44, 3856-3865.
EI	13) Yamashita, N., Ohta, S., Sase, H., Luangjame, J., Visaratana, T., Kietvuttinon, B., Garivait, H., Kanzaki, M. 2010. Seasonal and spatial variation of nitrogen dynamics in the litter and surface soil layers on a tropical dry evergreen forest slope. <i>Forest Ecology and Management</i> 259: 1502-1512. doi:10.1016/j.foreco.2010.01.026.
EI	14) Nakahara, O., Takahashi, M., Sase, H., Yamada, T., Matsuda, K., Ohizumi, T., Fukuhara, H., Inoue, T., Takahashi, A., Kobayashi, H., Hatano, R., Hakamata, T. 2010. Soil and stream water acidification in a forested catchment in central Japan. <i>Biogeochemistry</i> 97: 141-158. doi: 10.1007/s10533-009-9362-4
EI	15) Murata, N., Ohta, S., Ishida, A., Kanzaki, M., Wachirinrat,C., Artchawakom, T., Sase, H. 2009. Comparison of soil depths between evergreen and deciduous forests as a determinant of their distribution, Northeast Thailand. <i>Journal of Forest Research</i> 14: 212-220. doi: 10.1007/s10310-009-0127-7

QA	16) Ferretti, M., König, N., Rautio, P., Sase, H. 2009. Quality Assurance in international forest monitoring programmes: activity, problems and perspectives from East Asia and Europe. <i>Annals of Forest Science</i> 66: 403. doi: 10.1051/forest/2009025	
QA	17) Sase H., Nakayama S., Leong C.P., Kamisako M., Luangjame J., Garivait H., Visaratana T., Kietvuttinon B., Ueda H. 2009. QA/QC activities and ecological monitoring in the Acid Deposition Monitoring Network in East Asia (EANET). <i>iForest</i> 2: 26-29 URL: http://www.sisef.it/iforest/show.php?id=481	
EI	18) Matsubara, M., Morimoto, S., Sase, H., Ohizumi, T., Sumida, H., Nakata, M. Ueda, H. 2009. Long-term declining trends of river water pH in Central Japan. <i>Water, Air, and Soil Pollution</i> 200: 253–265. doi: 10.1007/s11270-008-9909-3	
EI	19) Kamisako, M., Sase, H., Matsui, T., Suzuki, H., Takahashi, A., Oida, T., Nakata, M., Totsuka, T., and Ueda, H. 2008. Seasonal and annual fluxes of inorganic constituents in a small catchment of a Japanese cedar forest near the Sea of Japan. <i>Water, Air, and Soil Pollution</i> 195: 51-61. doi: 10.1007/s11270-008-9726-8.	
EI	20) Sase, H., Takahashi, A., Sato, M., Kobayashi, H., Nakata, M., and Totsuka, T. 2008. Seasonal variation in the atmospheric deposition of inorganic constituents and canopy interactions in a Japanese cedar forest. <i>Environmental Pollution</i> 152: 1-10.	
EI	21) Yamada, T., Inoue, T., Fukuhara, H., Nakahara, O., Izuta, T., Suda, R., Takahashi, M., Sase, H., Takahashi, A., Kobayashi, H., Ohizumi, T., Hakamata, T. 2007. Long-term Trends in Surface Water Quality of Five Lakes in Japan, <i>Water, Air, and Soil Pollution: Focus</i> 7: 259-266.	
EI	22) Sase, H., Bulgan, T., Batchuhuluun, T., Shimizu, H., Totsuka, T. 2005. Tree decline and its possible causes around Mt. Bogdkhan in Mongolia. <i>Phyton</i> (Horn, Austria) 45: 583-590.	
EI	23) Shimizu, H., An, P., Zheng, Y. R., Chen, L. J., Sase, H., Totsuka, T., Bulgan, T., Zheng, Y. 2005. Response to O ₃ and SO ₂ for five Mongolian semiarid plant species, <i>Phyton</i> (Horn, Austria) 45: 601-607.	
EI	24) Yamashita, K., Ito, F., 2009. Adverse effects of acid deposition on ecosystems by the emission of nitrogen oxides in Asia. <i>Theory and applications of GIS</i> 17(1): pp.43-52.	In Japanese

OT	25) Yamashita, K., 2008. The consideration on the development of Acid Deposition Monitoring Network in East Asia (EANET) and cooperation between EANET and local society. <i>Bulletin of Japan Environmental Sanitation Center</i> 34: pp.73-82.	In Japanese
B) Books: (Authors, Year. Title. In: Editors, Title of the book, Company, pages)		
EI	1) Sase, H., Takamatsu, T. 2009. Atmospheric deposition and its leaf surface interactions in Japanese cedar forests. In: J.D. Creighton and P.J. Roney (eds.), <i>Forest Canopies: Forest Production, Ecosystem Health and Climate Conditions</i> . Nova Science Publishers, New York, pp. 127-141.	
AP	2) Iijima A., Sato K., Furuta N. 2009. Antimony in airborne particulates: a review on environmental monitoring and potential sources. In: M. Cheng & W. Liu (eds.), <i>Airborne Particulates</i> . Nova Science Publishers, New York, pp. 91-115.	
EI	3) Sase, H. 2007. A research case on effects of acid deposition on soil. In: N. Washida (eds.), <i>The Fifth Series of Experimental Chemistry</i> Vol. 20-2, pp. 378-384.	In Japanese
EI	4) Lorenz, M., Varjo, J., Bahamondez, C., Brack, C., Clarke, M., Gillis, M., Hirvonen, H., Kleinn, C., Riebau, A., Sase H., Totsuka, T. 2005. Forest Assessment for Changing Information Needs (Chapter 8). In: G. Mery, R. Alfaro, M. Kanninen, M. Lobovikov. (eds.), <i>Forests in the Global Balance – Changing Paradigms</i> . IUFRO World Series Volume 17. Helsinki, ISBN 3-901347-55-0 ISSN 1016-3263, pp. 139-150.	
EI	5) Totsuka, T., Sase, H. and Shimizu, H. 2005. Major activities of acid deposition monitoring network in East Asia (EANET) and related studies. In: K. Omasa, I. Nouchi, and L. J. De Kok (eds.), <i>Plant Responses to Air Pollution and Global Change</i> , Springer-Verlag Tokyo, pp. 251-259.	

C) Proceedings: (Authors, Year. Title, <i>Title of the proceedings/conference</i> , Date, Place, pages)	
LT	1) Sato K., Nakayama S., Nagai T., Yagoh H., Akimoto H., 2010. Air quality monitoring and acid deposition survey networks in Japan. <i>Proceedings of the International Workshop on Atmospheric Modeling Research in East Asia</i> . p. 1.
LT	2) Inomata Y., Sato K., Kajino M., Ueda H., Hayakawa K., Tang N., Kurokawa J., Ohara T., Akimoto H., 2010. Emission and transportation of polycyclic aromatic hydrocarbons and nitropolycyclic aromatic hydrocarbons in East Asia: comparison with observation and simulation. <i>Proceedings of the International Workshop on Atmospheric Modeling Research in East Asia</i> . p. 18.
LT	3) Kajino M., Sato K., Ueda H., 2009. Modeling study on long-range transboundary air pollutants in Northeast Asia. <i>Proceedings of the 12th Expert Group Meeting for Long-range Transboundary Air Pollutants in East Asia</i> . pp. 114-139.
LT	4) Sato K., 2009. Aerosol observation network in EANET. <i>Proceedings of the Workshop on the Implementation of the WMO SDS-WAS Asia Node</i> . pp. 13-15.
AP	5) Sato K., Nakayama S., Yagoh, H., 2009. State of air concentration monitoring in the Acid Deposition Monitoring Network in East Asia (EANET), <i>Proceedings of the 7th JSAE-KOSAE Joint Symposium</i> . pp.78-79.
AP	6) Sato K., Iijima A., Furuta N. 2009. Characteristics of nanoparticulate matter collected in Tokyo Metropolitan Area: focusing on particles containing heavy metals. <i>Proceedings of the 13th ETH-Conference on Combustion Generated Nanoparticles</i> . p. 43.
AP	7) Sato K., Iijima A., Furuta N. 2008. Characterization of fine airborne particulate collected in Tokyo and major atmospheric emission sources by using single particle measurement of SEM-EDX. <i>Proceedings of the 2008 AGU Fall Meeting</i> . p. A43D-0341.
AP	8) Iijima A., Sato K., Fujitani Y., Tanabe K., Ohara T., Shimoda M., Kizawa, K. Furuta N. 2008. Source identification of airborne antimony on the basis of the field monitoring and the source profiling. <i>Proceedings of the 2008 AGU Fall Meeting</i> . p. A43A-0276.

AP	9) Sato K., Iijima A., Furuta N. 2008. Single particle analysis of airborne particulate matter by using SEM-EDX(I): determination method for trace elements in single airborne particulate. <i>Proceedings of the 2008 Third Asia-Pacific Winter Conference on Plasma Spectrochemistry</i> . p. P-ApE-10.	
AP	10) Iijima A., Sato K., Kumagai K., Saito Y., Fujita M., Furuta N., 2008. Single particle analysis of airborne particulate matter by using SEM-EDX(II): profiling of particle size, shape, and elemental composition of airborne particulates from various emission sources. <i>Proceedings of the 2008 Third Asia-Pacific Winter Conference on Plasma Spectrochemistry</i> . p. P-ApE-6.	
LT	11) Kajino M., Sato K., Ueda H., 2008. Modeling study on long-range transboundary air pollutants in Northeast Asia. <i>Proceedings of the 11th Expert Group Meeting for Long-range Transboundary Air Pollutants in East Asia</i> . pp. 83-132.	
EI	12) Luangjame, J. and Munklarat, C. 2010. CO ₂ uptake of teak at experimental plots in Kanchanaburi province, Thailand. <i>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</i> .	
EI	13) Luangjame, J., Munklarat, C. and Kanurai, P. 2010. Water use of teak plantation in Thongphaphum district, Kanchanaburi province. <i>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</i> .	
EI	14) Luangjame, J. and Munklarat, C. 2010. CO ₂ uptake in Eucalyptus camaldulensis on saline soils in Northeast, Thailand. <i>The Sylva-World 2010 (SWC-2010) Conference on "People, Forests and the Environment: Coexisting in Harmony" in Casablanca, Morocco on 25-27 May 2010</i> .	
EI	15) Luangjame, J. 2010. Water use of Albizia lebbeck on saline soil in Kalasin province, Northeast Thailand. <i>The XXIII IUFRO World Congress, "Forests for the Future: Sustaining Society and the Environment," in Seoul, Korea on 23-28 August 2010</i> .	

EI	16) Tominaga, K., Ohta, S., Ishida, A., Kanzaki, M., Wachrinrat, C., Archawakom, T., Sase, H. 2010. Comparison of soil nutrient status between dry evergreen and deciduous forests in northeast Thailand. <i>Proceedings of the FORTROP II: Tropical Forestry Change in a Changing World, 17-20 November 2008, Kasetsart University, Bangkok, Thailand.</i> pp. 171-200.	
D) Non peer-reviewed papers or commentaries: (Authors, Year, Title, <i>Journal</i> Vol: Pages)		
LT	1) Matsuda, K., Sato, K. 2009. Utilization of EANET wide area air pollution data. <i>Journal of Japan Society for Atmospheric Environment</i> 44(6): 341.	In Japanese
EI	2) Sase, H., Yamashita, N., Kobayashi, R. 2009. Ecological impact monitoring by Acid Deposition Monitoring Network in East Asia (EANET) and a catchment study in a tropical region. <i>Tropical Ecology Letters</i> , No. 74: 1-7.	In Japanese
EI	3) Sase, H., Totsuka, T. 2005. Evaluation of the impact of ozone on plants in Europe. <i>Journal of Japan Society for Atmospheric Environment</i> 40(4): A33-A40.	In Japanese
OT	4) Yamashita, K., 2008. Estimation of the cost function for the reduction of NOx emission and the control measure of emission by the international cooperation in Asia. <i>The journal of the study of modern society and culture</i> 43: pp.89-106.	In Japanese

Field of Study

- Atmospheric deposition: **AP**
- Long-range transport and modeling: **LT**
- Ecological impact: **EI**
- Quality assurance/quality control: **QA**
- Risk assessment: **RA**
- Others: **OT**