

ACAP Publication List on Atmospheric Deposition

Publication Type:

■ Peer-reviewed Articles

■ Books

■ Proceedings

■ Peer-reviewed Articles

Title	Characteristics of carbonaceous components in precipitation and atmospheric particle at Japanese sites
Authors	M. Huo, K. Sato, T. Ohizumi, H. Akimoto, and K. Takahashi
In	Atmospheric Environment, 146, 164-173 (2016)
Title	Long-term assessment of nitrogen deposition at remote EANET sites in Japan
Authors	S. Ban, K. Matsuda, K. Sato, and T. Ohizumi
In	Atmospheric Environment, 146, 70-78 (2016)
Title	Accurate and precise quantification of atmospheric nitrate in streams draining land of various uses by using triple oxygen isotopes as tracers
Authors	U. Tsunogai, T. Miyauchi, T. Ohyama, D. Komatsu, F. Nakagawa, Y. Obata, K. Sato, and T. Ohizumi
In	Biogeosciences, 13, pp. 3441-3459 (2016)
Title	Long-term variation of the source of sulfate deposition in a leeward area of Asian continent in view of sulfur isotopic composition
Authors	Ohizumi, T., Take, N., Inomata, Y., Yagoh, H., Endo, T., Takahashi, M., Yanahara, K., and Kusakabe, M.
In	Atmospheric Environment, 140, pp. 42-51 (2016)
Title	Source-receptor relationships of nitrate in Northeast Asia and influence of sea salt on the long-range transport of nitrate
Authors	Kajino, M., Sato, K., Inomata, Y., and Ueda, H.
In	Atmospheric Environment, 79, pp. 67-78, doi: 10.1016/j.atmosenv.2013.06.024 (2013)
Title	Variation of carbonaceous aerosols from open crop residue burning with transport and its implication to estimate their lifetimes
Authors	Pan, X. L., Y. Kanaya, Z. F. Wang, Y. Komazaki, F., H. Akimoto, and P. Pochanart
In	Atmospheric Environment., 74, pp. 301–310 (2013)
Title	Overview of the Mt. Tai Experiments (MTX2006) in Central East China in June 2006: studies of significant regional air pollution
Authors	Y. Kanaya, H. Akimoto, Z.-F. Wang, P. Pochanart, K. Kawamura, Y. Liu, J. Li, Y. Komazaki, H. Irie, X.-L. Pan, F. Taketani, K. Yamaji, H. Tanimoto, S. Inomata, S. Kato, J. Suthawaree, K. Okuzawa, G. Wang, S. G. Aggarwal, P. Q. Fu, T. Wang, J. Gao, Y. Wang, and G. Zhuang
In	Atmospheric Chemistry and Physics., 13, pp. 8265-8283 (2013)

ACAP Publication List on Atmospheric Deposition

Title	Modeling wet deposition of inorganics over Northeast Asia with MRI-PM/c and the effects of super large sea salt droplets at near-the-coast stations
Authors	Kajino, M., Deushi, M., Maki, T., Oshima, N., Inomata, Y., Sato, K., Ohizumi, T., and Ueda, H.
In	Geoscientific Model Development, 5, pp. 1363-1375, doi: 10.5194/gmd-5-1363-2012 (2012)
Title	Long-term trends of sulfur deposition in East Asia during 1981-2005
Authors	Kuribayashi, M., Ohara, T., Morino, Y., Uno, I., Kurokawa, J., and Hara, H.
In	Atmospheric Environment, 59, pp. 461-475 (2012)
Title	Quantifying the relationship between the measurement precision and specifications of a UV/visible sensor on a geostationary satellite
Authors	Irie, H., H. Iwabuchi, K. Noguchi, Y. Kasai, K. Kita, and H. Akimoto
In	Advances in Space Research, 49, pp. 1743-1749 (2012)
Title	Measurement of overall uptake coefficients for HO₂ radicals by aerosol particles sampled from ambient air at Mts. Tai and Mang (China)
Authors	Taketani, F., Y. Kanaya, P. Pochanart, Y. Liu ¹ , J. Li, K. Okuzawa, K. Kawamura, Z. Wang, and H. Akimoto
In	Advances in Space Research, 49, pp. 1743-1749 (2012)
Title	Influence of Beijing outflow on Volatile Organic Compound (VOC) at rural mountain site in North China Plain: regional background and photochemical age
Authors	Suthawaree, J., S. Kato, P. Pochanart, Y. Kanaya, H. Akimoto, Z. Wang, and Y. Kajii
In	Atmospheric Research, 111, 46-57 (2012)
Title	Spatial distribution of the source-receptor relationship of sulfur in Northeast Asia
Authors	Kajino, M., Ueda, H., Sato, K., and Sakurai, T.
In	Atmospheric Chemistry and Physics, 11, pp. 6475-6591, doi:10.5194/acp-11-6475-2011 (2011)
Title	Regional characteristics of dry deposition of sulfur and nitrogen compounds at EANET sites in Japan from 2003 to 2008
Authors	Endo, T., Yagoh, H., Sato, K., Matsuda, K., Hayashi, K., Noguchi, I., and Sawada, K.
In	Atmospheric Environment, 45, pp. 1259-1267, doi:10.1016/j.atmosenv.2010.12.003 (2011)
Title	Temporal variations of nitrogen wet deposition across Japan from 1989 to 2008
Authors	Morino, Y., Ohara, T., Kurokawa, J., Kuribayashi, M., Uno, I., and Hara, H.
In	Journal of Geophysical Research, 116, doi:10.1029/2010JD015205 (2011)
Title	Impacts of aerosols on summertime tropospheric photolysis frequencies and photochemistry over Central Eastern China
Authors	Li, J., Z. Wang, K. Yamaji, Y. Kanaya, P. Pochanart, Y. Liu, H. Irie, B. Hu, Y. Wang, H. Tanimoto, X. Wang, and H. Akimoto
In	Atmospheric Environment. 45, pp.1817-1829, 2011

ACAP Publication List on Atmospheric Deposition

Title	Concentration distributions of dissolved Sb (III) and Sb (V) species in size-classified inhalable airborne particulate matter
Authors	Iijima, A., Sato, K., Ikeda, T., Sato, H., Kozawa, K., and Furuta, N.
In	Journal of Analytical Atomic Spectrometry, 25, pp. 356-363, doi: 10.1039/b920597g (2010)
Title	Measurements of volatile organic compounds in the middle of Central East China during Mount Tai Experiment 2006 (MTX2006): observation of regional background and impact of biomass burning
Authors	Suthanaree, J., S. Kato, K. Okuzawa, Y. Kanaya, P. Pochanart, H. Akimoto, Z. Wang, and Y. Kajii
In	Atmospheric Chemistry and Physics., 10, pp. 1269-1285 (2010)
Title	The relative importance of various source regions on East Asian surface ozone
Authors	Nagashima, T., T. Ohara, K. Sudo, and H. Akimoto
In	Atmospheric Chemistry and Physics., 10, pp. 11305-11322 (2010)
Title	Impact of open crop residual burning on air quality over Central Eastern China 1 during the Mount Tai Experiment 2006 (MTX2006)
Authors	Yamaji, K., J. Li, I. Uno, Y. Kanaya, H. Irie, M. Takigawa, Y. Komazaki, P. Pochanart, Y. Liu, H. Tanimoto, T. Ohara, X. Yan, Z. Wang, and H. Akimoto
In	Atmospheric Chemistry and Physics., 10, pp. 1-16 (2010)
Title	Kinetics of HO₂ uptake in levoglucosan and polystyrene latex particles
Authors	Taketani, F., Y. Kanaya, and H. Akimoto
In	Journal of Physical Chemistry Letter, 1, pp. 1701-1704, doi : 10.1021/jz100478s (2010)
Title	Clarification of the predominant emission sources of antimony in airborne particulate matter and estimation of their effects on the atmosphere in Japan
Authors	Iijima, A., Sato, K., Fujitani, Y., Fujimori, E., Saito, Y., Tanabe, K., Ohara, T., Kozawa, K., and Furuta, N.
In	Environmental Chemistry, 6, pp. 122-132, doi: 10.1071/EN08107 (2009)
Title	Evaporation Loss of Dissolved Volatile Substances from an Ice Surfaces
Authors	Sato, K., Takenaka, N., Bandow, H., and Maeda, Y.
In	Journal of Physical Chemistry A, 112, pp. 7600-7607, doi: 10.1021/jp075551 (2008)
Title	Temporal trend of non-sea salt sulfate and nitrate in wet deposition in Japan
Authors	Noguchi, I., Hayashi, K., Aikawa, M., Ohizumi, T., Minami, Y., Kitamura, M., Takahashi, A., Tanimoto, H., Matsuda, K., and Hara, H.
In	Water, Air, and Soil Pollution: Focus, 7, pp. 67-75 (2007)

ACAP Publication List on Atmospheric Deposition

Title	Deposition velocity of O₃ and SO₂ in the dry and wet season above a tropical forest in northern Thailand
Authors	Matsuda, K., Watanabe, I., Wingpud, V., Theramongkol, P., and Ohizumi, T.
In	Atmospheric Environment, 40, pp. 7557-7564, (2006)
Title	Key features of wet deposition in Japan: Results of the Japanese Acid Deposition Survey for 20 years
Authors	Hayashi, K., Noguchi, I., Ohizumi, T., Aikawa, M., Kitamura, M., Takahashi, A., Matsuda, K., Minami, Y., and Hara, H.
In	IGACTivities Newsletter, 33, pp. 2-6 (2006)
Title	Wet and Dry Deposition Monitoring on Acid Deposition Monitoring Network in East Asia
Authors	Ohizumi, T.
In	Journal of Aerosol Research, 21, pp. 108-113 (2006)
Title	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
Authors	Kano, N., Kikuchi, T., Sakamoto, N., Imaizumi, H., Murayama, H., Yagoh, H. and Ohizumi, T.
In	Radioisotopes, 55, pp. 307-317 (2006)
Title	Estimation of Annual Deposition of Sulfur Oxides during the Year 2001 at EANET Monitoring Sites
Authors	Kominami, T., Matsuda, K., Ohizumi, T., and Hara, H.
In	Journal of Japan Society for Atmospheric Environment, 40, pp. 104-111 (2005)

[↑ Go Back to 1st Page](#)

ACAP Publication List on Atmospheric Deposition

■ Books

Title	Wet deposition of inorganic nitrogen in Japan: Findings from the Japanese Acid Deposition Survey
Authors	Hayashi, K., Noguchi, I., Ohizumi, T., Aikawa, M., Takahashi, A., Tanimoto, H., Matsuda, K., Minami, Y., and Hara, H.
In	3rd International Nitrogen Conference Contributed Papers, Science Press USA, Zhu, Z., Minami, K., and Xing, G. (eds.), pp. 598-608 (2005)
Title	Antimony in airborne particulates: a review on environmental monitoring and potential sources
Authors	Iijima, A., Sato, K., and Furuta, N.
In	Airborne Particulates, Nova Science Publishers, New York, Cheng, M. and Liu, W. (eds.), pp. 91-115 (2009)

[↑ Go Back to 1st Page](#)

ACAP Publication List on Atmospheric Deposition

■ Proceedings

Title	Atmospheric sulphur trends from regional monitoring networks and global
Authors	Aas, W., Schulz, M., Artz, R., Bowersox, V., Galy-Lacaux, L. C., Lehmann, C.M.B., Myhre, C.L., Sato, K., and Vet, R.
In	Proceedings of 9th International Conference on Acid Deposition, 2015, Rochester, USA, p. 30 (2015)
Title	Recent analysis of EANET data for trends and variability factor of wet deposition in East Asia
Authors	Minoura, H., Sato, K., and Take, N.
In	Proceedings of 9th International Conference on Acid Deposition, 2015, Rochester, USA, O3A-1 (2015)
Title	Long-term assessment of nitrogen deposition at EANET remote sites in Japan
Authors	Matsuda, K., Ban, S., Sato, K., and Ohizumi, T.
In	Proceedings of 9th International Conference on Acid Deposition, 2015, Rochester, USA, p. 43 (2015)
Title	Characteristics of atmospheric depositions of ionic and carbonaceous components at remote sites in Japan
Authors	Sato, K., Inomata, Y., Kajino, M., Tang, N., Hayakawa, K., Hakamata, M., and Morisaki, H.
In	Proceedings of 2015 AGU Fall Meeting, 2015, San Francisco, USA A51B-0043 (2015)
Title	Atmospheric deposition of carbonaceous components at Japanese monitoring sites and its contribution to carbon budget in East Asia
Authors	Sato, K., Huo, M. Q., Ohizumi, T., Akimoto, H., and Takahashi, K.
In	Proceedings of 9th International Conference on Acid Deposition, 2015, Rochester, USA, p. 48 (2015)
Title	Characteristics of Atmospheric Carbonaceous Components in Precipitation and Particle
Authors	Huo, M. Q., Sato, K., Ohizumi, T., Akimoto, H., and Takahashi, K.
In	Proceedings of 9th International Conference on Acid Deposition, 2015, Rochester, USA, p. 47 (2015)
Title	Utilization of Stable S Isotope Analysis for Atmospheric Science
Authors	Ohizumi, T., Inomata, Y., and Take, N.
In	Proceedings of APN Workshop 2014 on Sulphur Dynamics in East Asian Forests, Bangkok, Thailand (2014)
Title	Characteristics of Atmospheric Carbonaceous Components at Japanese Monitoring Sites
Authors	Huo, M. Q., Sato, K., Ohizumi, T., Akimoto, H., and Takahashi, K.
In	Proceedings of International Aerosol Conference 2014, Busan, Republic of Korea, OP58-5 (2014)

ACAP Publication List on Atmospheric Deposition

Title	Utilization of Stable S Isotope Analysis for Atmospheric Science
Authors	Ohizumi, T., Inomata, Y., and Take, N.
In	Proceedings of APN Workshop 2013 on Sulphur Dynamics in East Asian Forests, Malaysia (2013)
Title	Transportation and scavenging of atmospheric carbonaceous components at Japanese monitoring sites
Authors	Huo, M. Q., Sato, K., Ohizumi, T., Akimoto, H., and Takahashi, K.
In	Proceedings of 12th International Conference on Atmospheric Sciences and Applications to Air Quality, 2013, Seoul, Republic of Korea, S2-2 (2013)
Title	Development of a new simple monitoring method of surface ozone by using filterpack
Authors	Sato, K., Ohtase, R., Makino, Y., and Ohizumi T.
In	Proceedings of 12th International Conference on Atmospheric Sciences and Applications to Air Quality, 2013, Seoul, Republic of Korea, SP14-16 (2013)
Title	Characteristic of carbonaceous components in precipitation and aerosol at Japanese Monitoring Sites
Authors	Huo, M. Q., Sato, K., Ohizumi, T., Akimoto, H., and Takahashi K.
In	Proceedings of 12th International Global Atmospheric Chemistry Science Conference, 2012, Beijing, China, P-3-066 (2012)
Title	Wet and dry deposition amounts of carbonaceous components at Japanese monitoring sites
Authors	Sato, K., Huo, M. Q., Ohizumi, T., Akimoto, H., and Takahashi, K.
In	Proceedings of 12th International Global Atmospheric Chemistry Science Conference, 2012, Beijing, China, P-1-95 (2012)
Title	Preliminary analysis on variation of wet deposition in East Asia
Authors	Ohizumi, T.
In	Abstract book of Acid Rain 2011, Beijing, China (2011)
Title	Seasonal and annual variations and regional characteristics of wet and dry deposition amounts in East Asian region
Authors	Sato, K., Ohizumi, T., Endo, T., Yagoh, H., and Matsuda, K.
In	Proceedings of 2011 AGU Fall Meeting, 2011, San Francisco, USA, A31E-0146 (2011)
Title	Seasonal and annual variations and regional characteristics of dry deposition amounts in Japan EANET sites
Authors	Sato, K., Endo, T., Yagoh, H., Hayashi, K., and Matsuda, K.
In	Proceedings of 8th International Conference on Acid Deposition, 2011, Beijing, China, S4-5 (2011)
Title	Development of the ambient ozone measurement by using filterpack method
Authors	Makino, Y., Sato, K., Ohizumi, T., and Usui, S.
In	Proceedings of 8th International Conference on Acid Deposition, 2011, Beijing, China, PS4-9 (2011)

ACAP Publication List on Atmospheric Deposition

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	Role of ionic speciation acidity of rainwater at Si Racha, Thailand compared with Ogasawara island and Tokyo Japan
Authors	Khuntong, S., Taniguchi, H., and Sato, K.
In	Proceedings of 8th International Conference on Acid Deposition, 2011, Beijing, China, T8-5 (2011)
Title	Determination of carbonaceous aerosol in rainwater collected at Japanese monitoring sites
Authors	Huo, M. Q., Sato, K., Ohizumi, T., and Akimoto, H.
In	Proceedings of 8th International Conference on Acid Deposition, 2011, Beijing, China, P4-8 (2011)
Title	Modeling air, rain and snow precipitation quality over Northeast Asia using MRI-CCM2-WRF-RAQM2 model
Authors	Kajino, M., Deushi, M., Inomata, Y., Sato, K., Ueda, H., Han, Z., An, J., Kurokawa, J., and Ohara, T.
In	Proceedings of 8th International Conference on Acid Deposition, 2011, Beijing, China, T2-5 (2011)
Title	Characteristics of nanoparticulate matter collected in Tokyo Metropolitan Area: focusing on particles containing heavy metals
Authors	Sato, K., Iijima, A., and Furuta, N.
In	Proceedings of the 13th ETH-Conference on Combustion Generated Nanoparticles, p. 43 (2009)
Title	State of air concentration monitoring in the Acid Deposition Monitoring Network in East Asia (EANET)
Authors	Sato K., Nakayama S., and Yagoh, H.
In	Proceedings of the 7th JSAE-KOSAE Joint Symposium, pp. 78-79 (2009)
Title	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
Authors	Iijima, A., Sato, K., Kumagai, K., Saito, Y., Fujita, M., and Furuta, N.
In	Proceedings of the 2008 Third Asia-Pacific Winter Conference on Plasma Spectrochemistry, P-ApE-6 (2008)
Title	Single particle analysis of airborne particulate matter by using SEM-EDX(I): determination method for trace elements in single airborne particulate
Authors	Sato, K., Iijima, A., and Furuta, N.
In	Proceedings of the 2008 Third Asia-Pacific Winter Conference on Plasma Spectrochemistry, P-ApE-10 (2008)

ACAP Publication List on Atmospheric Deposition

Title	Source identification of airborne antimony on the basis of the field monitoring and the source profiling
Authors	Iijima, A., Sato, K., Fujitani, Y., Tanabe, K., Ohara, T., Shimoda, M., Kizawa, K. and Furuta, N.
In	Proceedings of the 2008 AGU Fall Meeting, A43A-0276 (2008)
Title	Characterization of fine airborne particulate collected in Tokyo and major atmospheric emission sources by using single particle measurement of SEM-EDX
Authors	Sato, K., Iijima, A., and Furuta, N.
In	Proceedings of the 2008 AGU Fall Meeting, A43D-0341 (2008)

[↑ Go Back to 1st Page](#)