Publication List

As of September 8, 2014

2014

1. Koike, M., N. Moteki, P. Khatri, T. Takamura, N. Takegawa, Y. Kondo, H. Hashioka, H. Matsui, A. Shimizu, and N. Sugimoto (2014), Case study of absorption aerosol optical depth closure of black carbon over the East China Sea, ***J. Geophys. Res.***, *119*, doi:10.1002/2013JD020163.
2. Miyakawa, T., N. Takeda, K. Koizumi, M. Tabaru, Y. Ozawa, N. Hirayama and N. Takegawa (2014), A new laser induced incandescence - mass spectrometric analyzer (LII-MS) for online measurement of aerosol composition classified by black carbon mixing state, ***Aerosol Sci. Tech.***, *48*, 853-863.

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3. Takegawa, N., N. Moteki, M. Koike, N. Oshima, and Y. Kondo (2013), Condensation particle counters combined with a low-pressure impactor for fast measurement of mode-segregated aerosol number concentration, ***Aerosol Sci. Technol.***, 47, 1059-1065.
4. Liu, X., Y. Kondo, K. Ram, H. Matsui, K. Nakagomi, T. Ikeda, N. Oshima, R. L. Verma, N. Takegawa, and M. Koike, Seasonal variations of black carbon observed at the remote mountain site Happo in Japan, ***J. Geophys. Res.***, *118*, 3709-3722, doi:10.1002/jgrd.50317
5. Matsui, H., M. Koike, N. Takegawa, Y. Kondo, A. Takami, T. Takamura, S. Yoon, S.-W. Kim, H.-C. Lim, and J. D. Fast (2013), Spatial and temporal variations of new particle formation in EastAsia using an NPF-explicit WRF-chem model: North-south contrast in new particle formation frequency, ***J. Geophys. Res.***, *118*, 11,647-11,663, doi:10.1002/jgrd.50821.
6. Miyakawa, T., R. Matsuzawa, M. Katayama, and N. Takegawa (2013), Reconsidering adhesion and bounce of submicron particles upon high-velocity impact, ***Aerosol Sci. Technol.***, 47, 472-481.
7. Oshima, N., M. Koike, Y. Kondo, H. Nakamura, N. Moteki, H. Matsui, N. Takegawa, and K. Kita (2013), Vertical transport mechanisms of black carbon over East Asia in spring during the A-FORCE aircraft campaign, ***J. Geophys. Res.***, *118*, 13,175-13,198, doi:10.1002/ 2013JD020262.
8. Taketani F., Y. Kanaya, T. Nakamura, K. Koizumi, N. Moteki, and N. Takegawa (2013), Measurement of fluorescence spectra from atmospheric single submicron particle using laser-induced fluorescence technique, ***J. Aerosol. Sci.***, 58, 1-8.

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9. Takegawa, N., T. Miyakawa, T. Nakamura, Y. Sameshima, M. Takei, Y. Kondo, and N. Hirayama (2012), Evaluation of a new particle trap in a laser desorption mass spectrometer for online measurement of aerosol composition, ***Aerosol Sci. Technol.***, 46, 428-443.
10. Cheng, Y. F., H. Su, D. Rose, S. S. Gunthe, M. Berghof, B. Wehner, P. Achtert, A. Nowak, N. Takegawa, Y. Kondo, M. Shiraiwa, Y. G. Gong, M. Shao, M. Hu, T. Zhu, Y. H. Zhang, G. R.

Carmichael, A. Wiedensohler, M. O. Andreae, and U. Pöschl (2012), Size-resolved measurement of the mixing state of soot in the megacity Beijing, China: diurnal cycle, aging and parameterization, ***Atmos. Chem. Phys.***, 12, 4477-4491.

11. Hu, W. W., M. Hu, Z. Q. Deng, R. Xiao, Y. Kondo, N. Takegawa, Y. J. Zhao, S. Guo, and Y. H. Zhang (2012), The characteristics and origins of carbonaceous aerosol at a rural site of PRD in summer of 2006, ***Atmos. Chem. Phys.***, 12, 1811-1822.
12. Koike, M., N. Takegawa, N. Moteki, Y. Kondo, H. Nakamura, K. Kita, H. Matsui, N. Oshima, M. Kajino, and T. Y. Nakajima (2012), Measurements of regional-scale aerosol impacts on cloud microphysics over the East China Sea: Possible influences of warm sea surface temperature over the Kuroshio ocean current, ***J. Geophys. Res.***, 117, D17205, doi:10.1029/2011JD017324.
13. Kondo, Y., K. Ram, N. Takegawa, L. Sahu, Y. Morino, X. Liu, and T. Ohara (2012), Reduction of black carbon aerosols in Tokyo: Comparison of real-time observations with emission estimates, ***Atmos. Environ.***, 54, 242-249.
14. Li, X., T. Brauers, R. Haeseler, B. Bohn, H. Fuchs, A. Hofzumahaus, F. Holland, S. Lou, K. D. Lu, F. Rohrer, M. Hu, L. M. Zeng, Y. H. Zhang, R. M. Garland, H. Su, A. Nowak, A. Wiedensohler, N. Takegawa, M. Shao, and A. Wahner (2012), Exploring the atmospheric chemistry of nitrous acid (HONO) at a rural site in Southern China, ***Atmos. Chem. Phys.***, 12. 1497-1513.
15. Moteki, N., Y. Kondo, N. Oshima, N. Takegawa, M. Koike, K. Kita, H. Matsui, and M. Kajino (2012), Size dependence of wet removal of black carbon aerosols during transport from the boundary layer to the free troposphere, ***Geophys. Res. Lett.***, 39, L13802, doi:10.1029/2012GL052034.
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17. Sahu, L. K., Y. Kondo, N. Moteki, N. Takegawa, Y. Zhao, M. J. Cubison, J. L. Jimenez, S. Vay, G. S. Diskin, A. Wisthaler, T. Mikoviny, L. G. Huey, A. J. Weinheimer, and D. J. Knapp (2012), Emission characteristics of black carbon in anthropogenic and biomass burning plumes over California during ARCTAS-CARB 2008, ***J. Geophys. Res.***, 117, D16302, doi: 10.1029/2011JD017401.

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19. Gunthe, S. S., D. Rose, H. Su, R. M. Garland, P. Achtert, A. Nowak, A. Wiedensohler, M. Kuwata, N. Takegawa, Y. Kondo, M. Hu, M. Shao, T. Zhu, M. O. Andreae, and U. Pöschl (2011), Cloud condensation nuclei (CCN) from fresh and aged air pollution in the megacity

region of Beijing, ***Atmos. Chem. Phys.***, 11, 11023-11039.

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24. Matsui, H., Y. Kondo, N. Moteki, N. Takegawa, L. K. Sahu, Y. Zhao, H. E. Fuelberg, W. R. Sessions, G. Diskin, D. R. Blake, A. Wisthaler, and M. Koike (2011), Seasonal variation of the transport of black carbon aerosol from the Asian continent to the Arctic during the ARCTAS aircraft campaign, ***J. Geophys. Res.***, 116, D05202, doi:10.1029/2010JD015067.
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28. Rose, D. S. S. Gunthe, H. Su, R. M. Garland, H. Yang, M. Berghof, Y. F. Cheng, B. Wehner, P. Achtert, A. Nowak, A. Wiedensohler, N. Takegawa, Y. Kondo, M. Hu, Y. Zhang, M. O. Andreae, and U. Pöschl (2011), Cloud condensation nuclei in polluted air and biomass burning smoke near

the mega-city Guangzhou, China -Part 2: Size-resolved aerosol chemical composition, diurnal cycles, and externally mixed weakly CCN-active soot particles, ***Atmos. Chem. Phys.***, 11, 2817-2836.

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