



中国科学院气溶胶化学与物理重点实验室

Key Laboratory of Aerosol Chemistry and Physics, Chinese Academy of Sciences

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科研成果

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序号	题目	作者	期刊	年、卷(期)、页码
1	<u>Black soot and the survival of Tibetan glaciers</u> (/W020150612421910844606.pdf)	Xu, Baiqing; Cao, Junji; Hansen, James; Yao, Tandong; Joswia, Daniel R.; Wang, Ninglian; Wu, Guangjian; Wang, Mo; Zhao, Huabiao; Yang, Wei; Liu, Xianqin; He, Jianqiao	PROCEEDINGS OF THE NATIONAL ACADEMY OF SCIENCES OF THE UNITED STATES OF AMERICA	2009 , 106 , 52 , 22114-22118
2	<u>Ionic composition of TSP and PM2.5 during dust storms and air pollution episodes at Xi'an, China</u> (/W020150612354292457319.pdf)	Shen, Zhenxing; Cao, Junji; Arimoto, Richard; Han, Zhiwei; Zhang, Renjian; Han, Yuemei; Liu, Suixin; Okuda, Tomoaki; Nakao, Shunsuke; Tanaka, Shigeru	ATMOSPHERIC ENVIRONMENT	2009 , 43 , 18 , 2911
3	<u>Lung cancer mortality and exposure to atmospheric aerosol particles in Guangzhou, China</u>	Tie, Xuexi; Wu, Dui; Brasseur, Guy	ATMOSPHERIC ENVIRONMENT	2009 , 43 , 14 , 2375-2377
4	<u>Aerosol pollution in China: Present and future impact on environment</u> (/W020150612490660014966.pdf)	Tie, Xuexi; Cao, Junji	PARTICULOGY	2009 , 7 , 6 , 426-431
5	<u>Black carbon relationships with emissions and meteorology in Xi'an, China</u> (/W020150612326966128785.pdf)	Cao, Jun-Ji; Zhu, Chong-Shu; Chow, Judith C.; Watson, John G.; Han, Yong-Ming; Wang, Ge-hui; Shen, Zhen-xing; An, Zi-Sheng	ATMOSPHERIC RESEARCH	2009 , 94 , 2 , 194-202

6	<u>Ozone photochemical production in urban Shanghai, China: Analysis based on ground level observations</u>	Ran, Liang; Zhao, Chunsheng; Geng, Fuhai; Tie, Xuexi; Tang, Xu; Peng, Li; Zhou, Guangqiang; Yu, Qiong; Xu, Jianmin; Guenther, Alex	JOURNAL OF GEOPHYSICAL RESEARCH-ATMOSPHERES	2009 , 114
7	<u>Measurement and modeling of O₃ variability in Shanghai, China: Application of the WRF-Chem model</u>	Tie, Xuexi; Geng, Fuhai; Peng, Li; Gao, Wei; Zhao, Chunsheng	ATMOSPHERIC ENVIRONMENT	2009 , 43 , 28 , 4289-4302
8	<u>Aircraft study of aerosol vertical distributions over Beijing and their optical properties</u>	Liu, Pengfei; Zhao, Chunsheng; Zhang, Qiang; Deng, Zhaoze; Huang, Mengyu; Ma, Xincheng; Tie, Xuexi	TELLUS SERIES B-CHEMICAL AND PHYSICAL METEOROLOGY	2009 , 61 , 5 , 756-767
9	<u>Aircraft measurements of O₃, NO_x, CO, VOCs, and SO₂ in the Yangtze River Delta region</u>	Geng, Fuhai; Zhang, Qiang; Tie, Xuexi; Huang, Mengyu; Ma, Xincheng; Deng, Zhaoze; Yu, Qiong; Quan, Jianrong; Zhao, Chunsheng	ATMOSPHERIC ENVIRONMENT	2009 , 43 , 3 , 584-593
10	<u>Seasonal variations and sources of mass and chemical composition for PM10 aerosol in Hangzhou, China</u> (./W020150612331748658834.pdf)	Cao, Junji; Shen, Zhenxing; Chow, Judith C.; Qi, Guowei; Watson, John G.	PARTICULOLOGY	2009 , 7 , 3 , 161-168
11	<u>Simulation of Mexico City plumes during the MIRAGE-Mex field campaign using the WRF-Chem model</u>	Tie, X.; Madronich, S.; Li, G.; Ying, Z.; Weinheimer, A.; Apel, E.; Campos, T.	ATMOSPHERIC CHEMISTRY AND PHYSICS	2009 , 9 , 14 , 4621-4638
12	<u>Deposition of anthropogenic aerosols in a southeastern Tibetan glacier</u> (./W020150612377595057816.pdf)	Xu, Bai-Qing; Wang, Mo; Joswiak, Daniel R.; Cao, Jun-Ji; Yao, Tan-Dong; Wu, Guang-Jian; Yang, Wei; Zhao, Hua-Biao	JOURNAL OF GEOPHYSICAL RESEARCH-ATMOSPHERES	2009 , 114
13	<u>Size-distributions of n-alkanes, PAHs and hopanes and their sources in the urban, mountain and marine atmospheres over East Asia</u> (./W020150612490660075651.pdf)	Wang, G.; Kawamura, K.; Xie, M.; Hu, S.; Gao, S.; Cao, J.; An, Z.; Wang, Z.	ATMOSPHERIC CHEMISTRY AND PHYSICS	2009 , 9 , 22 , 8869-8882
14	<u>Organic Molecular Compositions and Size Distributions of Chinese Summer and Autumn Aerosols from Nanjing: Characteristic Haze Event Caused by Wheat Straw Burning</u> (./W020150612514241950138.pdf)	Wang, Gehui; Kawamura, Kimitaka; Xie, Mingjie; Hu, Shuyuan; Cao, Junji; An, Zhisheng; Watson, John G.; Chow, Judith C.	ENVIRONMENTAL SCIENCE & TECHNOLOGY	2009 , 43 , 17 , 6493-6499
15	<u>Emissions of gas- and particle-phase polycyclic aromatic hydrocarbons (PAHs) in the Shing Mun Tunnel, Hong Kong</u> (./W020150612345879716189.pdf)	Ho, K. F.; Ho, Steven Sai Hang; Lee, S. C.; Cheng, Y.; Chow, Judith C.; Watson, John G.; Louie, P. K. K.; Tian, Linwei	Atmospheric Environment	2009 , 43 , 40 , 6343-6351
16	<u>Chemical Characteristics of Submicron Particles in Winter in Xi'an</u> (./W020150612514242013904.pdf)	Shen, Zhenxing; Cao, Junji; Tong, Zhi; Liu, Suixin; Reddy, Lingala Siva Sankara; Han, Yuemei; Zhang, Ting; Zhou, Juan	AEROSOL AND AIR QUALITY RESEARCH	2009 , 9 , 1 , 80-93
17	<u>Atmospheric tracers during the 2003-2004 stratospheric warming event and impact of ozone intrusions in the troposphere</u>	Liu, Y.; Liu, C. X.; Wang, H. P.; Tie, X. X.; Gao, S. T.; Kinnison, D.; Brasseur, G.	ATMOSPHERIC CHEMISTRY AND PHYSICS	2009 , 9 , 6 , 2157-2170
18	<u>Vehicular emission of volatile organic compounds (VOCs) from a tunnel study in Hong Kong</u> (./W020150612344767439939.pdf)	Ho, K. F.; Lee, S. C.; Ho, W. K.; Blake, D. R.; Cheng, Y.; Li, Y. S.; Ho, S. S. H.; Fung, K.; Louie, P. K. K.; Park, D.	ATMOSPHERIC CHEMISTRY AND PHYSICS	2009 , 9 , 19 , 7491-7504
19	<u>Spatial distribution and seasonal variation of char-EC and soot-EC in the atmosphere over China</u> (./W020150612340624400414.pdf)	Han, Y. M.; Lee, S. C.; Cao, J. J.; Ho, K. F.; An, Z. S.	ATMOSPHERIC ENVIRONMENT	2009 , 43 , 38 , 6066-6073

20	<u>Concentrations, seasonal variations, and transport of carbonaceous aerosols at a remote Mountainous region in western China</u> (./W020150612325683972001.pdf)	Cao, Jun-Ji; Xu, Bai-Qing; He, Jian-Qiao; Liu, Xian-Qin; Han, Yong-Ming; Wang, Ge-hui; Zhu, Chong-shu	ATMOSPHERIC ENVIRONMENT	2009 , 43 , 29 , 4444-4452
21	<u>Sensitivity of ozone concentrations to diurnal variations of surface emissions in Mexico City: A WRF/Chem modeling study</u>	Ying, Zhuming; Tie, Xuexi; Li, Guohui	ATMOSPHERIC ENVIRONMENT	2009 , 43 , 4 , 851-859
22	<u>Vertical distributions of aerosols under different weather conditions: Analysis of in-situ aircraft measurements in Beijing, China</u>	Zhang, Qiang; Ma, XinCheng; Tie, Xuexi; Huang, Mengyu; Zhao, Chunsheng	ATMOSPHERIC ENVIRONMENT	2009 , 43 , 34 , 5526-5535
23	<u>Elemental carbon in urban soils and road dusts in Xi'an, China and its implication for air pollution</u> (./W020150612343464278935.pdf)	Han, Y.M., Cao, J.J., Kenna, T.C., et al.	ATMOSPHERIC ENVIRONMENT	2009 , 43 , 15 , 2464-2470
24	<u>Organic carbon and elemental carbon associated with PM10 in Beijing during spring time</u> (./W020150612421910940726.pdf)	Zhang, Renjian; Ho, Kin-Fai; Cao, Junji; Han, Zhiwei; Zhang, Meigen; Cheng, Yan; Lee, Shung Cheng	JOURNAL OF HAZARDOUS MATERIALS	2009 , 162 , 2-3 , 970-977
25	<u>Characterization of Atmospheric Ammonia over Xi'an, China</u> (./W020150612318501808592.pdf)	Cao, Jun-Ji; Zhang, Ting; Chow, Judith C.; Watson, John G.; Wu, Feng; Li, Hua	AEROSOL AND AIR QUALITY RESEARCH	2009 , 9 , 2 , 277-29
26	<u>Mineralogical characteristics of soil dust from source regions in northern China</u> (./W020150612355577961328.pdf)	Shen, Zhenxing; Caquineau, Sandrine; Cao, Junji; Zhang, Xiaoye; Han, Yuemei; Gaudichet, Annie; Gomes, Laurent	PARTICULOGY	2009 , 7 , 6 , 507-512
27	<u>Black carbon aerosols and their radiative properties in the Pearl River Delta region</u>	Wu Dui; Mao JieTai; Deng XueJiao; Tie Xuexi; Zhang YuanHang; Zeng LiMin; Li Fei; Tan HaoBo; Bi XueYan; Huang XiaoYing; Chen Jing; Deng Tao	SCIENCE IN CHINA SERIES D-EARTH SCIENCES	2009 , 52 , 8 , 1152-1163
28	<u>Elemental composition of aerosols in Danghai, a rural area in the front boundary of the summer Asian monsoon</u> (./W020150612343464310369.pdf)	Han, Y. M.; Cao, J. J.; Jin, Z. D.; An, Z. S.	ATMOSPHERIC RESEARCH	2009 , 92 , 2 , 229-235
29	<u>Impact of nocturnal planetary boundary layer on urban air pollutants: Measurements from a 250-m tower over Tianjin, China</u>	Han, Suqin; Bian, Hai; Tie, Xuexi; Xie, Yiyang; Sun, Meiling; Liu, Aixia	JOURNAL OF HAZARDOUS MATERIALS	2009 , 162 , 1 , 264-269
30	<u>Characterization of winter airborne particles at Emperor Qin's Terra-cotta Museum, China</u> (./W020150612348381672828.pdf)	Hu, Tafeng; Lee, Shuncheng; Cao, Junji; Chow, Judith C.; Watson, John G.; Ho, Kinfai; Ho, Wingkei; Rong, Bo; An, Zhisheng	SCIENCE OF THE TOTAL ENVIRONMENT	2009 , 407 , 20 , 5319-5327
31	<u>The effect of acidification on the determination of elemental carbon, char-, and soot-elemental carbon in soils and sediments</u> (./W020150612335609066996.pdf)	Han, Y. M.; Cao, J. J.; Posmentier, E. S.; Chow, J. C.; Watson, J. G.; Fung, K. K.; Jin, Z. D.; Liu, S. X.; An, Z. S.	CHEMOSPHERE	2009 , 75 , 1 , 92-99
32	<u>Analysis of VOC emissions using PCA/APCS receptor model at city of Shanghai, China</u>	Geng, Fuhai; Cai, Changjie; Tie, Xuexi; Yu, Qiong; An, Junlin; Peng, Li; Zhou, GuangQiang; Xu, Jianming	JOURNAL OF ATMOSPHERIC CHEMISTRY	2009 , 62 , 3 , 229-247
33	<u>Elemental composition of airborne aerosols at a traffic site and a suburban site in Hong Kong</u> (./W020150612343464366647.pdf)	Cheng, Yan; Lee, Shun Cheng; Cao, Junji; Ho, Kin Fai; Chow, Judith C.; Watson, John G.; Ao, Chio Hang	INTERNATIONAL JOURNAL OF ENVIRONMENT AND POLLUTION	2009 , 36 , 1-3 , 166-179
34	Atmospheric deterioration of Qin brick in an environmental chamber at Emperor Qin's Terracotta Museum, China (./W020150612347092794604.pdf)	Hu, T. F.; Lee, S. C.; Cao, J. J.; Ho, W. K.; Ho, K. F.; Chow, J. C.; Watson, J. G.; Rong, B.; An, Z. S.	JOURNAL OF ARCHAEOLOGICAL SCIENCE	2009 , 36 , 11 , 2578-2583

35	Aerosol background at two remote CA WNET sites in western China. (./W020150612353401435137.pdf)	Wen-Jun Qua, Xiao-Ye Zhang, Richard Arimoto, Ya-Qiang Wang, Dan Wang, Li-Fang Sheng, Gang Fu	Science of the Total Environment	2009, 407, 11, 3518–3529
36	<u>Aliphatic alkanes and polycyclic aromatic hydrocarbons in atmospheric PM10 aerosols from Baoji, China: Implications for coal burning.</u> (./W020150612372864176807.pdf)	Mingjie Xie, Gehui Wang, Shuyuan Hub, Qingyou Hanc, Yajuan Xuc, Zhongchao Gao	Atmospheric Research	2009, 193, 840–848
37	<u>Aerosol particles from dried salt-lakes and saline soils carried on dust storms over Beijing.</u> (./W020150612421911016267.pdf)	Xingying Zhang, Guoshun Zhuang, Hui Yuan, Kenneth A. Rahn, Zifa Wang, and Zisheng An	Atmospheric and Oceanic Sciences	2009, 20, 4, 619–628

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