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兰州大学大气科学学院发表论文情况

●2008年

- 1.Chen Q., Chang J., Li L. and Yuan, J.Y. 2008: A new kinetic model of photocatalytic degradation of formic acid in UV/TiO₂ suspension system with in-situ monitoring, Reaction Kinetics and Catalysis Letters. 93, 157?164.
- 2.Fu, P., J. Huang, C. Li, S. Zhong, 2008: The properties of dust aerosol and reducing tendency of the dust storms in northwest China, Atmospheric Environment, 42, 5896-5904.
- 3.Ge, J., J. Huang, F. Weng and W. Sun, 2008: Effects of dust storms on microwave radiation based on satellite observation and model simulation over the Taklamakan Desert, Atmospheric Chemistry And Physics, 8, 4903-4909.
- 4.Huang, J. and co-author, 2008, Micro-Pulse lidar measurements of aerosol vertical structure over Loess Plateau, Atmospheric and Oceanic Science Letters, in press.
- 5.Huang, J. and Co-authors, 2008: Long-range transport and vertical structure of Asian dust from CALIPSO satellite and surface measurements during PACDEX, Journal of Geophysical Research, in press.
- 6.Huang, J., W. Zhang, J. Zuo, J. Bi, J. Shi, X. Wang, Z. Chang, Z. Huang, S. Yang, B. Zhang, G. Wang, G. Feng, J. Yuan, L. Zhang, H. Zuo, S. Wang, C. Fu and J. Chou, 2008: An overview of the Semi-Arid Climate and Environment Research Observatory over the Loess Plateau, Advances in Atmospheric Sciences, 25(6), 1-16.
- 7.Huang, Q., J. H. Marsham, D. J. Parker, W. Tian, T. Weckwerth. 2008: A comparison of roll and non-roll convection and the subsequent deepening moist convection: an LEM case-study based on SCMS data, Monthly Weather Review, DOI: 10.1175/2008MWR2450.1
- 8.Su, J., J. Huang, Q. Fu, P. Minnis, J. Ge, and J. Bi, 2008: Estimation of Asian dust aerosol effect on cloud radiation forcing using Fu-Liou radiative model and CERES measurements, Atmospheric Chemistry and Physics, 8, 2763-2771.
- 9.Shao, A., C. Qiu. 2008: A variational method for correcting non-systematic errors in numerical weather prediction. Science in China series D-earth Sciences (accepted).
- 10.Tian, W., M. P. Chipperfield, and Q. Huang, 2008: Effects of the Tibetan Plateau on total column ozone distribution, Tellus, 60B, 4, 622-635.,

- 11.Xie, F., W. Tian, M. P. Chipperfield, 2008: Radiative Effect of Ozone Change on Stratosphere – Troposphere Exchange, *Journal Geophysics Research*, (Accepted).
- 12.Wang, X., J. Huang, M. Ji, and K. Higuchi, 2008: Variability of East Asia dust events and their long-term trend, *Atmospheric Environment*, 42, 3156-3165.
- 13.Yuan, T., X. Qie, ,2008: Study on lightning activity and precipitation characteristics before and after the onset of the South China Sea summer monsoon, *Journal of Geophysical Research*, 113., DOI:10.1029/2007JD009382.
- 14.Zhang, L, C. Qiu and J. Huang, 2008: A three-dimensional satellite retrieval method for atmospheric temperature and moisture profiles, *Advances in Atmospheric Sciences*, 25(5), 897-904.
- 15.Yan, T., S. Wang, X. Xu, 2008: Expression of a Fused fpg Gene in E. coli and Engineering a Strain *Comamonas testosteroni* ZD4-1-fpg for Environmental Application. *Journal of Environment Science and Health*, in press.
- 16.Liu, Z., D. Liu, J. Huang, and Co-authors, 2008: Airborne dust distributions over the Tibetan Plateau and surrounding areas derived from the first year of CALIPSO lidar observations, *Atmospheric Chemistry and Physics*, 8, 5045-5060.
- 17.Chen, Y., H. Bai, J. Huang, and Co-authors, 2008: Seasonal variability of cloud optical depth over northwestern China derived from CERES/MODIS satellite measurements, *Chinese Optics Letters*, 6(6), 454-457.
- 18.Lau, K.-M., V. Ramanathan, G.-X. Wu, Z. Li, S. C. Tsay, C. Hsu, R. Sikka, B. Holben, D. Lu, G. Tartari, M. Chin, P. Koudelova, H. Chen, Y. Ma, J. Huang, K. Taniguchi, and R. Zhang, 2008: The joint aerosol–monsoon experiment: a new challenge for monsoon climate research, *Bulletin of American Meteorological Society*, 89, 369-389., DOI:10.1175/BAMS-89-3-369.
- 19.Zhang, Z, C. Qiu, C. Wang, 2008: A piecewise-integration method for simulating the influence of external forcing on climate. *Progress in Natural Science*, 18, 1239-1247.
- 20.Austin, J., K. Tourpali, E. Rozanov, H. Akiyoshi, S. Bekki, G. Bodeker, C. Bruhl, N. Butchart, M. Chipperfield, M. Deushi, V. I. Fomichev, M. A.Giorgetta, L. Gray, K. Kodera, F. Lott, E. Manzini, D. Marsh, K. Matthes, T. Nagashima, K. Shibata, R. S. Stolarski, H. Struthers, and W. Tian, 2008: Coupled chemistry climate model simulations of the solar cycle in ozone and temperature. *Journal Geophysics Research*, 113, D11306, DOI:10.1029/2007JD009391.

●2007年

- 1.Huang, J., J. Ge, and F. Weng, 2007: Detection of Asia dust storms using multisensor satellite measurements, *Remote Sensing of Environment*, 110, 186-191.
- 2.Huang, J., P. Minnis, and Co-authors, 2007: Summer dust

aerosols detected from CALIPSO over the Tibetan Plateau,
Geophysical Research Letters, 34, L18805, DOI:10.1029/2007GL029938.

3. Qiu, C., A. Shao, Q. Xu, and L. Wei, 2007: Fitting Model Fields to Observations by Using Singular Value Decomposition – An Ensemble-Based 4DVar Approach. *Journal Geophysics Research*, 112, D11105, DOI: 10.1029/2006JD007994.

4. Qiu, C., L. Zhang, A. Shao, 2007: An Explicit Four-Dimensional Variational Data Assimilation Method, *Science in China series D-earth Sciences*, 50(8).

5. Shang, K., S. Wang, Y. Ma, Z. Zhou, J. Wang, H. Liu and Y. Wang, 2007: A Scheme for Calculating Soil Moisture Content by Using Routine Weather Data. *Atmospheric Chemistry and Physics*, 7, 5197–5206.

6. Chan. P., A. Shao, 2007: Depiction of complex airflow near Hong Kong international airport using a Doppler LIDAR with a two-dimensional wind retrieval technique. *Meteorologische Zeitschrift*, 16(5), 491-504.

7. Ren H., J. Chou, 2007: Strategy and methodology of dynamical analogue prediction, *Science In China Series D-Earth Sciences*, 50(10), 1589-1599.

8. Minnis, P., J. Huang, and Co-authors, , 2007: Ice cloud properties in ice-over-water cloud systems using Tropical Rainfall Measuring Mission (TRMM) visible and infrared scanner and TRMM Microwave Imager data, *Journal Geophysics Research*, 112, D06206, DOI:10.1029/2006JD007626.

9. Ma J., J. Li, 2007: Strengthening of the boreal winter Hadley circulation and its connection with ENSO, *Progress In Natural Science*, 17(11), 1327-1333.

10. Yang, P., L. Zhang, G. Hong, Shaima L. Nasiri, Bryan A. Baum, H. Huang, Michael D. King, Steven Platnick, 2007: Differences between collection 004 and 005 MODIS ice cloud optical/microphysical products and their impact on radiative forcing simulations, *IEEE Transactions on Geoscience And Remote Sensing*, 45(9), 2886-2899.

11. Chen, J., Y. Hu, L. Zhang, 2007: Principle of Cross Coupling between Vertical Heat Turbulent Transport and Vertical Velocity and Determination of Cross Coupling Coefficient, *Advances In Atmospheric Sciences*. *Advances in Atmospheric Sciences*, 24(1), 89-100.

12. Li, X., C. Huang, T. Che, R. Jin, S. Wang, J. Wang, F. Gao, S. Zhang, C. Qiu, C. Wang,. 2007: Development of a Chinese land data assimilation system: its progress and prospects. *Progress in Natural Science*. 17(8):881-892

13. Hu, Y., M. Vaughan, Z. Liu, B. Lin, P. Yang, D. Flittner, B. Hunt, R. Kuehn, J. Huang, D. Wu, S. Rodier, K. Powell, C. Trepte,

and D. Winker, 2007: The depolarization - attenuated backscatter relation: CALIPSO lidar measurements vs. theory, *Optics Express*, 15(9), 5327-5332.

14.Hu, Y., M. Vaughan, C. McClain, M. Behrenfeld, S. Sun-Mack, D. Flittner, J. Huang, B. Wielicki, P. Minnis, C. Trepte, and R. Kuehn, 2007: Global statistics of liquid water content and effective number density of water clouds over ocean derived from combined CALIPSO and MODIS measurements, *Atmospheric Chemistry and Physics*, 7, 4065-4083.

15.Eyring, V., D. W. Waugh, G. E. Bodeker, E. Cordero, H. Akiyoshi, J. Austin, S. R. Beagley, B. A. Boville, P. Braesicke, C. Brühl, N. Butchart, M. P. Chipperfield, M. Dameris, R. Deckert, M. Deushi, S. M. Frith, R. R. Garcia, A. Gettelman, M. A. Giorgetta, D. E. Kinnison, E. Mancini, E. Manzini, D. R. Marsh, S. Matthes, T. Nagashima, P. A. Newman, J. E. Nielsen, S. Pawson, G. Pitari, D. A. Plummer, E. Rozanov, M. Schraner, J. F. Scinocca, K. Semeniuk, T. G. Shepherd, K. Shibata, B. Steil, R. S. Stolarski, W. Tian, and M. Yoshiki, 2007: Multimodel projections of stratospheric ozone in the 21st century, *Journal Geophysics Research*, 112, D16303, DOI: 10.1029/2006JD008332.

●2006年

1.Feng, W., 2006: Fast ozone loss around the polar vortex during 2002/2003 Arctic winter deep minihole event, *Water, Air, and Soil Pollution*, 171(1-4), 383-397.

2.Huang, J., and Co-authors, 2006: Determination of Ice Water Path in Ice-over-Water Cloud Systems Using Combined MODIS and AMSR-E Measurementy, *Geophysical Research Letters*, 33, DOI: 10.1029/2006GL027038.

3.Huang, J., and Co-authors, 2006: Satellite-based assessment of possible dust aerosols semi-direct effect on cloud water path over East Asia, *Geophysical Research Letters*, 33, DOI: 10.1029/2006GL026561.

4.Huang, J., M. Ji, Higuchi, K and A. Shabbar, 2006: Temporal structure of North Atlantic Oscillation and its impacts on the regional climate variability, *Advances in Atmospheric Sciences*, 23, 23-32

5.Huang, J., 2006: Analysis of Ice Water Path Retrieval Errors Over Tropical Ocean, *Advances in Atmospheric Sciences*, 23, NO. 2, 165–180.

6.Huang, J., and Co-authors, 2006: Possible influences of Asian dust aerosols on cloud properties and radiative forcing observed from MODIS and CERES, *Geophysical Research Letters*, 33, L06824, DOI:10.1029/2005GL024724.

7.Huang, J., Y. Wang, T. Wang and Y. Yi, 2006: Dusty cloud radiative forcing derived from satellite data for middle latitude regions of East Asia, *Progress in Natural Science*. 16(10), 1084-1089.

8.Liu, X., R. Ding, 2006: The relationship between the Spring Asian Atmospheric circulation and the previous winter Northern Hemisphere annular mode, *Theoretical And Applied Climatology*, 88, 71-81.

9.Qiu, C., J. Chou, 2006: Four-dimensional data assimilation method based

10. Qiu, C., A. Shao, Q. Xu, 2006: A two-step variational method for three-dimensional wind retrieval from single Doppler radar. *Meteorology and Atmospheric Physics*, 91(1).
11. Tian W., M. P. Chipperfield, 2006: Stratospheric water vapor trends in a coupled chemistry-climate model. *Geophysical Research Letters*, 33, L06819, DOI:10.1029/2005GL024675.
12. Tian W., M. P. Chipperfield, L. J. Gray, and J. M. Zawodny (2006), Quasi-biennial oscillation and tracer distributions in a coupled chemistry-climate model, *Journal Geophysics Research*, 111, D20301, DOI:10.1029/2005JD006871.
13. Wang, S., W. Yuan, K. Shang, 2006: The impacts of different kinds of dust events on PM10 pollution in northern China. *Atmospheric Environment*, 40 : 7975-7982
14. Yang, Y., C. Qiu, J. Gong, 2006: Physical initialization applied in WRF-Var for assimilation of Doppler radar data, *Geophys Res. Letters*, 33, L22807
15. Yuan, W., J. Zhang, 2006: High correlations between Asian dust events and biological productivity in the western North Pacific, *Geophysical Research Letters*, 33(7), L07603.
16. Zuo, H., Y. Bao, C. Mang, Y. Hu, 2006: An analytic and numerical study on the physical meaning of pan evaporation and its trend in recent 40 years, *Chinese Journal of Geophysics-Chinese Edition*, 49(3), 680.
17. Zhang S., W. Zhang, C. Qiu, 2006: Variational method for estimating near-surface soil moisture and surface heat fluxes, *Acta Meteorologica Sinica*, 21(4), 476-486.
18. Zhao, Y., J. Li, 2006: Discrepancy of mass transport between the Northern and Southern Hemispheres among the ERA-40, NCEP/NCAR, NCEP-DOE AMIP-2, and JRA-25 reanalysis, *Geophysical Research Letters*, 33(20).
19. Chen, B., J. Li, R. Ding, 2006: Nonlinear local Lyapunov exponent and atmospheric predictability research, *Science In China Series D-Earth Sciences*, 49(10), 1111.
20. Xiao, D., J. Li, 2006: Spatial and temporal characteristics of the decadal abrupt changes of global atmosphere-ocean system in the 1970s, *Journal Of Geophysical Research-Atmospheres*, 112, D24.
21. Ma, G.; C. Qiu, G. Li, F. Zhang, 2006: Study of simulation on radiance from infrared and water vapor channel of FY2B by a fast forward model-RTTOV7, *Hongwai Yu Haomibo Xuebao/Journal of Infrared and Millimeter Waves*, 25(1),37-40.
22. Huang, J, C. Qiu, G. Ma, Y. Zhang, 2006: Estimating the retrievability of temperature profiles from satellite infrared measurements, *Advances in Atmospheric Sciences*, 23(2), 224-234.
23. Huang J., C. Qiu, Y. Zhang, 2006: Statistical method for retrieving the clear atmospheric parameters from satellite infrared measurements, *Journal Of Infrared And Millimeter Waves*, 26(2), 102-106.
24. An X., H. Zuo, L. Chen, 2006: Atmospheric environmental capacity of SO2 in winter over Lanzhou in China: A case study, *Advances In Atmospheric Sciences*, 24(4), 688-699.

25. Ren, H., P. Zhang, W. Li, J. Chou, 2006: A new method of dynamical analogue prediction based on multi-reference-state updating and its application, *Acta Physica Sinica*, 55(8), 4388.

●2005年

1. Huang, J., and Co-authors, 2005: Advanced retrievals of multilayered cloud properties using multispectral measurements, *Journal Geophysics Research*, 110, 2004JD005101.

2. Tian W., M. P. Chipperfield, 2005: A new coupled chemistry-climate model for the stratosphere: the importance of coupling for future O3-climate predictions. *Quarterly Journal Of The Royal Meteorological Society*, 131, 281-303.

3. Wang, S., J., Wang, Z. Zhou, et al. 2005: Regional characteristics of three kinds of dust storm events in china. *Atmospheric Environment*, 39(3) 509-520

4. Zhang, S., H. Li, W. Zhang, C. Qiu, X.. Li, 2005: Estimating the soil moisture profile by assimilating near-surface observations with the ensemble Kalman filter (EnKF), *Advances in Atmospheric Sciences*, 22(6),936.

5. Zuo, H., Y. Hu, 2005: A study on nonlinear thermodynamic characteristics of turbulent transport, *Chinese Journal of Geophysics-Chinese Edition*, 48(6),1233.

6. Liu, S., C. Qiu, Q. Xu, P. Zhang, 2005: An Improved Method for Doppler Wind and Thermo dynamic Retrievals, *Advances in Atmospheric Sciences*, 22(1),,90.

7. Xin, J., S. Wang, Y. Wang, J. Yuan, W. Zhang and Y. Sun,. 2005: Optical Properties and Retrieval Size Distributions of Dust Aerosols over Tengger Desert in Northern China. *Atmospheric Environment*, 39, 5971-5978

8. Minnis, P., Y. Yi, J. Huang, and J. K. Ayers, 2005: Relationships between meteorological conditions and cloud properties determined from ARM data, *Journal Geophysics Research*, 110,2005JD006005R.

9. Ding, R., J. Li, S. Wang and F. Ren, 2005: Decadal change of the spring dust storm in northwest China and the associated atmospheric circulation. *Geophysical Research Letters*,, 32, L02808.

10. Minnis, P., S. Sun-Mack, Y. Chen, H. Yi, J. Huang, L. Nguyen, and M. M. Khaiyer, 2005: Detection and retrieval of multi-layered cloud properties using satellite data, *Proc. SPIE Europe Intl. Symp. Remote Sens., Remote Sens. Clouds and the Atmos. X*, Bruges, Belgium, September 19-22.

11. Zhang, L. W. Qian, X. Gao, J. Chou, 2005: A harmonized multi-time difference scheme and its stability, *Acta Physica Sinica*, 54(7), 3465.

12. Zou, S. B. Xu, J. Qian, H. Han, C. Wang, C. Li, D. Wu,. 2005: GIS-assisted and SPOT-VGT-used coupling model of spatial pattern of the potential forest ecological environments in Loess plateau

of China. Geoscience and Remote Sensing Symposium, IGARSS '05. Proceedings. IEEE International, 4, 2957- 2960.

●2004年

1.Dai, X., P. Wang, P. Zhang, J. Chou, 2004: Rainfall spectrum change in North China and its possible mechanism, Progress In Natural Science, 14(7),598.

2.Dai, X., P. ang, J. Chou, 2004: Multiscale characteristics of the rainy season rainfall and interdecadal decaying of summer monsoon in North China, Chinese Science Bulletin, 48(24), 2730.

3.Gao, X., M. Tang, D. Zhu, 2004: Some thoughts on climate system and earth system, Chinese Journal Of Geophysics-Chinese Edition, 47(2),364.

4.Shao, A., C. Qiu, L.Liu. 2004, Kinematic structure of a heavy rain event from dual-Doppler radar observations. Advances in Atmospheric Sciences, 21(4), 609-616.

5.Tian W., D. J. Parker, S. Mobbs, M. Hill, C. A. D. Kilburn, D. Ladd, 2004: Observing coherent motions using remote sensing and surface pressure measurement. Journal of Atmospheric and Oceanic Technology, 21, 1481-1490.

6.Tian W., Z. H. Guo, and R. C. Yu, 2004: Treatment of LBCs in 2D simulation of convection over hills., Advances in Atmospheric Sciences, 21, 573-586.

7.Zhang, W., B. Hu, C. Chen, P. Du, L. Zhang, G. Feng, 2004: Scattering Properties of Atmospheric Aerosol over Lanzhou City and Applications Using an Integrating Nephelometer, Advanced in Atmospheric Sciences, No.6,848-856.

8.Zhang, S., C. Qiu, and Q. Xu, 2004: Estimating soil water contents from soil temperature measurements by using adaptive Kalman Filter. Journal of Applied Meteorology. 43, 379-389.

9.Zhang, S., C. Qiu, and W. Zhang, 2004: Estimating heat fluxes by merging profile formulae and energy budget with a variational technique. Advances In Atmospheric Sciences, 21, 627-636.

10.Ren, H., C. Wang, C. Qiu, W. Dong,. 2004: Study on Calculating Surface Flux in the Typical Arid Region of Northwest China by a Variational Method. Atmosphere Science. 28(3), 285-294.

11.Chang, W., X. Dai, H. Chen, 2004: A case study of geostatistical interpolation to meteorological fields, Chinese Journal of Geophysics-Chinese Edition, 47(6), 982.

12.Fan, X, J. Chou, B. Guo, Shulski, MD, 2004: A coupled simple climate model and its global analysis, Theoretical And Applied Climatology, 79(1-2), 31.

13.Hu, S., J. Chou, 2004: Uncertainty of the numerical solution of a nonlinear system's long-term behavior and global convergence of the numerical pattern, *Advances In Atmospheric Sciences*, 21(5), 767.

14.Zhang, H., J. Xue, G. Zhu, S. Zhuang, X. Wu, F. Zhang, 2004: Application of direct assimilation of ATOVS microwave radiances to typhoon track prediction, *Advances In Atmospheric Sciences*, 21(2), 283.

15.Zhang, H., J. Chou, C. Qiu,. 2004: Assimilation analysis of Rammasun typhoon structure over Northwest Pacific using satellite data, *Chinese Science Bulletin*, 49(4), 389.

16.Song, Z., J. Chou, 2004: A numerical simulation of dust storms in China, *Environmental Modelling & Software*, 19(2), 141.

17.Shun, L., C. Qiu, Q. Xu, P. Zhang,. 2004: An improved time interpolation for three-dimensional doppler wind analysis, *Journal of applied meteorology*, 43, 1379-1391.

●2003年

1.Tian W., and D. J. Parker,. 2003: A modeling study and scaling analysis of orographic effects on boundary layer shallow convection. *Journal Of The Atmospheric Sciences*, 60, 1981-1991.

2.Tian, W. , Parker, D. J. and Kilburn, C. A. D.,. 2003: Observations and numerical simulation of atmospheric cellular convection over mesoscale topography. *Monthly Weather Review*, 131, 222-235.

3.Wang, C., W. Dong, Z. Wei,. 2003: Study on Relationship between Freezing-Thawing Processes of the Qinghai-Tibet Plateau and the Atmospheric Circulation over East Asia. *Journal of Geographical Science*, 46(3):438-441.

4.Wang, S., J. Wang and Z. Zhou, et al. 2003: Regional characteristics of dust events in China. *Journal of Geographical Sciences*, 13(1):35-44.

5.Wang, C., S.Wang, D.Yang, A. Dong,. 2003: The correlation between the Pacific sea surface temperature(SST) and precipitation over NW China. *J. Tropical Meteorology*. 9(1):64-73.

6.Nan, S., J. Li,. 2003: The relationship between the summer precipitation in the Yangtze River valley and the boreal spring Southern Hemisphere annular mode|, *Geophysical Research Letters*, 30(24), CLM 4-1-CLM 4-4.

7.Gao, X., G. Feng, W. Dong, J. Chou,. 2003: On the predictability of chaotic systems with respect to maximally effective computation time, Acta Mechanica Sinica/Lixue Xuebao 19(2) 134-139.

8.Shabbar, A, K. Higuchi and J. Huang, 2003: Inter-ENSO variability in response to boundary and initial flow effects in CCC-GCM simulation, Tellus, 55A. 401-418.

9.Liu, M., D. Westphal, S. Wang, A. Shimizu, N. Sugimoto, J. Zhou and Y. Chen,. 2003: A high-resolution numerical study of the Asian dust storms of April 2001. Journal of Geophysical Research, 108, D23, 8653-8665 .

10.Qie X., R. Toumi, T. Yuan,. 2003: Lightning activities on the Tibetan Plateau as observed by the lightning imaging sensor, Journal Geophysics Research, 108(D17)4551, DOI: 10.1029/2002JD003304.

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