

## 2012 年:

60. Saunders1, R. W., S. Dhomse, **W. Tian**, M. P. Chipperfield, and J. M. C. Plane (**2012**): Interactions of meteoric smoke particles with sulphuric acid in the Earth's stratosphere, *Atmos. Chem. Phys.*, 12, 4387-4398, doi:10.5194/acp-12-4387-2012.
61. Xie F, J. Li, **W. Tian**, J. Feng, and Y, Huo (**2012**), Signals of El Niño Modoki in the tropical tropopause layer and stratosphere. *ACP.*, 12, 5259-5273, doi:10.5194/acp-12-4387-2012.

## 2011 年:

62. **Tian, W.**, H. Tian, S. Dhmore, W. Feng (**2011**): A Study of Troposphere and Stratosphere Exchange in the Northern Tibetan Plateau Using AIRS Data. *ASL*, 11, doi: 10.1002/asl.319.
63. Shu, J., **W. Tian**, J. Austin, M. P. Chipperfield, F. Xie, and W. Wang (**2011**), Effects of sea surface temperature and greenhouse gas changes on the transport between the stratosphere and troposphere, *J. Geophys. Res.*, 116, D02124, doi:10.1029/2010JD014520. (通讯作者)
64. Wang C., **W. Tian**, D. J. Parker, J. H. Marsham and Z. Guo (**2011**): Properties of a simulated convective boundary layer over inhomogeneous vegetation. *Quarterly Journal of the Royal Meteorological Society*, 137, 99-117, doi:10.1002/qj.724 (通讯作者)
65. Butchart,N., A. J. Charlton-Perez, I. Cionni, S. C. Hardiman, P. H. Haynes, K. Kruger, P. J. Kushner, P. A. Newman, S. M. Osprey, J. Perlitz, M. Sigmond, L. Wang, H. Akiyoshi, J. Austin, S. Bekki, A. Baumgaertner, P. Braesicke, C. Bruhl, M. Chipper\_el, M. Dameris, S. Dhomse, V. Eyring, R. Garcia, H. Garny, P. Jockel, **W. Tian**, D. Waugh, and Y. Yamashita, (**2011**): Multi-model climate and variability of the stratosphere, *J. Geophys. Res.* 116, D05102, doi:10.1029/2010JD014995..
66. Fei X., **Tian W.**, Austin J., Li L., Tian W., Shu J., Chen C., (**2011**): The Effect of ENSO Activity on Lower Stratospheric Water Vapor, *Atmos. Chem. Phys. Discuss.*, 11, 4141-4166, doi:10.5194/acpd-11-4141-2011.
67. Wang C., Z. Zhang, **W. Tian** (**2011**): Factors affecting the surface radiation trends over China between 1960-2000. *Atmospheric Environment*, 45, 2379-2385, doi:10.1016/j.atmosenv.2011.02.028.
68. **Bais, A. F., K.Tourpali, A. Kazantzidis, H. Akiyoshi, S. Bekki, P. Braesicke, M. P. Chipperfield, M. Dameris, V. Eyring, H. Garny, D. Iachetti, P. Jöckel, A. Kubin, U. Langematz, E. Mancini, M. Michou, O. Morgenstern, T. Nakamura, P. A. Newman, G. Pitari, D. A. Plummer, E. Rozanov, T. G.**

- Shepherd, K. Shibata, W. Tian, and Y. Yamashita. (2011): Projections of UV radiation changes in the 21st century: impact of ozone recovery and cloud effects. *Atmos. Chem. Phys.*, 11, 7533-7545, doi:10.5194/acp-11-7533-2011, 2011.**
69. Hoyle, C. R; Marecal, V; Russo, M. R.; Allen, G; Arteta, J; Chemel, C; Chipperfield, M. P; D'Amato, F; Dessens, O; Feng, W; Hamilton, J. F.; Harris, NRP; Hosking, J. S.; Lewis, AC; Morgenstern, O; Peter, T; Pyle, J. A.; Redmann, T; Richards, N. A. D.; Telford, P. J.; **Tian, W**; Viciani, S; Volz-Thomas, A; Wild, O; Yang, X; Zeng, G,  
Representation of tropical deep convection in atmospheric models - Part 2: Tracer transport, *Atmos. Chem. Phys.*, 11, 8103-8131, doi:10.5194/acp-11-8103-2011, 2011.
70. Strahan, S. E. A. R. Douglass, R. S. Stolarski, H. Akiyoshi, S. Bekki, P. Braesicke, N. Butchart, M. P. Chipperfield, D. Cugnet, S. Dhomse, S. M. Frith, A. Gettelman, S. C. Hardiman, D. E. Kinnison, J.-F. Lamarque, E. Mancini, M. Marchand, M. Michou, O. Morgenstern, T. Nakamura, D. Olivié, S. Pawson, G. Pitari, D. A. Plummer, J. A. Pyle, J. F. Scinocca, T. G. Shepherd, K. Shibata, D. Smale, H. Teyssèdre, **W. Tian**, and Y. Yamashita, Using transport diagnostics to understand chemistry climate model ozone simulations, *JGR*, VOL. 116, D17302, doi:10.1029/2010JD015360, 2011.
- 2010 年:**
71. **Tian, W.**, M. P. Chipperfield, D. S. Stevenson, R. Damoah, S. Dhomse, A. Duhia, H. Pumphrey, and P. Bernath (2010), Effects of stratosphere-troposphere chemistry coupling on tropospheric ozone, *J. Geophys. Res.*, 115, D00M04, doi:10.1029/2009JD013515.
72. Zhang M., **W. Tian**, L. Chen, D. Lv (2010): Cross Tropopause Mass Exchange Associated with a Tropopause Fold Event over the North-eastern Tibetan Plateau, *AAS*, 27(6), doi:10.1007/s00376-010-9129-9. (通讯作者)
73. Huang, Q., J. H. Marsham, D. J. Parker, **W. Tian**, and C. M. Grams (2010): Simulations of the Effects of Surface Heat Flux Anomalies on Stratification, Convective Growth and Vertical Transport within the Saharan Boundary Layer, *J. Geophys. Res.*, doi:10.1029/2009JD012689
74. Zhang, Q., S., Wang, M. Barlage, **W. Tian**, R. Huang (2010): The characteristics of the sensible heat and momentum transfer coefficients over the Gobi in Northwest China, **International Journal of Climatology**. DOI: 10.1002/joc.2071.
75. Morgenstern, O., H. Akiyoshi, S. Bekki, P. Braesicke, N. Butchart, M. P. Chipperfield, D. Cugnet, M. Deushi, S. S. Dhomse, R. Garcia, A. Gettelman, N. P.

- Gillet, S. C. Hardiman, J. Jumelet, D. Kinnison, J.-F. Lamarque, F. Lott3, M. Marchand, M. Michou, T. Nakamura, D. Olivi é, S. Pawson, T. Peter, D. Plummer, J. A. Pyle, E. Rozanov, D. Saint-Martin, J. Scinocca, K. Shibata, M. Sigmond, D. Smale, H. Teyss`edre, **W. Tian**, A. Voldoire, Y. Yamashita, (2010): Anthropogenic forcing of the Northern Annular Mode in CCMVal-2 models, **J. Geophys. Res.** VOL. 115, D00M03, doi:10.1029/2009JD013347.
76. Morgenstern, O., M. A. Giorgetta, K. Shibata, V. Eyring, D. W. Waugh, T. G. Shepherd, H. Akiyoshi, J. Austin8,, A. J. G. Baumgaertner, S. Bekki, P. Braesicke, C. Br ühl, M. P. Chipperfield, D. Cugnet, M. Dameris, S. Dhomse, S. M. Frith, H. Garny, A. Gettelman, S. C. Hardiman, M. I. Hegglin, P. J öckel, D. E. Kinnison, J.-F. Lamarque, E. Mancini, E. Manzini, M. Marchand, M. Michou, T. Nakamura, J. E. Nielsen, D. Olivi é, G. Pitari, D. A. Plummer, E. Rozanov,, J. F. Scinocca, D. Smale, H. Teyss`edre, M. Toohey, **W. Tian**, Y. Yamashita, (2010): Review of the formulation of present-generation stratospheric chemistry-climate models and associated external forcings, **J. Geophys. Res.** 115, D00M02, doi:10.1029/2009JD013728.
77. Gettelman, A., M. Hegglin, S. W. Son, J. Kim, M. Fujiwara, T. Birner, S. Kremser, M. Rex, J. A. A~nel, J. Austin, J. F. Lamarque, H. Akiyoshi, D. Plummer, T. G. Shepherd, J. Scinocca, M. Michou, M. Dameris, H. Garny, C. Br ühl, S. Pawson, S. Bekki, K. Shibata, D. Smale, E. Rozanov, E. Mancini, G. Pitari, O. Morgenstern, M. Chipperfield, S. Dhomse, **W. Tian**, N. Butchart, S. Hardiman, P. Braesike, J. Pyle, D. E. Kinnison1, (2010): Multi-model Assessment of the Upper Troposphere and Lower Stratosphere: Tropics and Trends. **J. Geophys. Res.** 115, D00M08, doi:10.1029/2009JD013638.
78. Charlton-Perez, A. J., E. Hawkins, V. Eyring, I. Cionni, G. E. Bodeker, D. E. Kinnison, H. Akiyoshi, S. M. Frith, R. Garcia, A. Gettelman, J. F. Lamarque, T. Nakamura, S. Pawson, Y. Yamashita, S. Bekki, P. Braesicke, M. P. Chipperfield, S. Dhomse, M. Marchand, E. Mancini, O. Morgenstern, G. Pitari, D. Plummer, J. A. Pyle, E. Rozanov, J. Scinocca, K. Shibata, T. G. Shepherd, **W. Tian**, and D. W. Waugh (2100): Quantifying uncertainty in projections of stratospheric ozone over the 21st century, 10, 9473-9486, doi:10.5194/acp-10-9473-2010
79. Eyring, V., I. Cionni, G. E. Bodeker, A. J. Charlton-Perez, D. E. Kinnison, J. F. Scinocca, D. W. Waugh, H. Akiyoshi, S. Bekki, M. P. Chipperfield, M. Dameris, S. Dhomse, S. M. Frith, H. Garny, A. Gettelman, A. Kubin, U. Langematz, E. Mancini, M. Marchand, T. Nakamura, L. D. Oman, S. Pawson, G. Pitari, D. A. Plummer, E. Rozanov, T. G. Shepherd, K. Shibata, **W. Tian**, P. Braesicke, S. C. Hardiman, J. F. Lamarque, O. Morgenstern, D. Smale, J. A. Pyle, and Y. Yamashita (2010): Multi-model assessment of stratospheric ozone return dates and ozone recovery in CCMVal-2 models, *Atmos. Chem. Phys.*, 10, 9451-9472, doi:10.5194/acp-10-9451-2010.

80. Hegglin, M. I., A. Gettelman, P. Hoor, R. Krichevsky, G. L. Manney, L. L. Pan, S-W. Son6, G. Stiller, S. Tilmes, K. A. Walker, V. Eyring, T. G. Shepherd, D. Waugh, H. Akiyoshi, J. Austin, A. Baumgaertner, S. Bekki1, P. Braesicke, C. Br ühl, N. Butchart, M. Chipperfield, M. Dameris, S. Dhomse, S. Frith, H. Garny, S. C. Hardiman, P. J öckel, D. E. Kinnison, J. F. Lamarque, E. Mancini, M. Michou, O. Morgenstern, T. Nakamura, D. Olivi'e, S. Pawson, G. Pitari, D. A. Plummer, E. Rozanov, J. F. Scinocca, K. Shibata, D. Smale, H. Teyss`edre, **W. Tian**, Y. Yamashita ( **2010** ): Multi-Model Assessment of the Upper Troposphere and Lower Stratosphere: Extra-tropics. **J. Geophys. Res.**, 115, D00M09, doi:10.1029/2010JD013884.
81. Oman L.D., coauthors, **W. Tian**, Y. Yamashita ( **2010** ): Muiti-modle assessment of the factors driving stratospheric ozone evolution over the 21<sup>st</sup> century. **J. Geophys. Res.** 115, D24306, doi:10.1029/2010JD014362.
82. Son S-W., E. P. Gerber, J. Perlwitz, L. M. Polvani, N. Gillett, K.-H. Seo, V. Eyring, T. G. Shepherd, D. Waugh, H. Akiyoshi, J. Austin, A. Baumgaertner, S. Bekki, P. Braesicke, C. Br ühl, N. Butchart, M. Chipperfield, M. Dameris, S. Dhomse, S. Frith, H. Garny, R. Garcia, A. Gettelman, S. C. Hardiman, P. J öcke, D. E. Kinnison, J. F. Lamarque, E. Mancini, M. Marchand, M. Michou, O. Morgenstern, S. Pawson, T. Peter, G. Pitari, D. A. Plummer, J. Pyle, E. Rozanov, J. F. Scinocca, K. Shibata, D. Smale, R. Stolarski, H. Teyss`edre, **W. Tian**, ( **2010** ): The Impact of Stratospheric Ozone on the Southern 1 Hemisphere Circulation Changes: A Multimodel Assessment. **J. Geophys. Res.** 115, D00M07, doi:10.1029/2010JD014271..
83. Butchart, N., I. Cionni, V. Eyring, D. W. Waugh, H. Akiyoshi, J. Austin, C. Bruehl, M. P. Chipperfield, E. Cordero, M. Dameris, R. Deckert,\ S. M. Frith, R. R. Garcia, A. Gettelman, M. A. Giorgetta, D. E. Kinnison, F. Li, E. Mancini, E. Manzini, C. McLandress, S. Pawson, G. Pitari, E. Rozanov, F. Sassi, T. G. Shepherd, K. Shibata, and **W. Tian** ( **2010** ): Chemistry-climate model simulations of 21st century, stratospheric climate and circulations changes. *Journal of Climate*, **23(20)**, doi:10.1175/2010JCLI3404.1.
84. Chen Zeyu, ChenHongbin, L ü Daren, Xu Jiayao, ChenWen, **TianWenshou**, Ren Rongcai, Hu Yongyun, Huang Kaiming ( **2010** ): Advances in researches on the middle and upper atmosphere in 2008–2010. **Chinese Journal of Space Science**, 30(5): 456-463.
85. Chipperfield M., Kinnison,D., Bekki S., Bian H., Br ühl, C., Canty T., Cionni I., Dhomse S., Froidevaux L., Fuller R., M üller R., Prather M., Salawitch R., Santee M., **Tian W.**, Tilmes S. ( **2010** ): SPARC Report on the Evaluation of Chemistry-Climate Models, **SPARC CCMVal**, V. Eyring, T. G. Shepherd, D. W. Waugh (Eds.), SPARC Report No. 5, WCRP-132, WMO/TD-No. 1526, <http://www.atmosp.physics.utoronto.ca/SPARC>.

## 2009 年:

86. **Tian W.**, M. P. Chipperfield, D. Lu (2009): Impact of Increasing Stratospheric Water Vapor on Ozone Depletion and Temperature Change. *Advances in Atmospheric Sciences*, 26(3), 373-380,doi: 10.1007/s00376-009-0373-9.
87. Huang, Q., J. H. Marsham, D. J. Parker, **W. Tian**, T. Weckwerth, (2009): 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
88. Cagnazzo C., E. Manzini, N. Calvo, A. Douglass, H. Akiyoshi, S. Bekki, M. Chipperfield, M. Dameris, M. Deushi, A. Fischer, H. Garny, A. Gettelman, M. A. Giorgetta, D. Plummer, E. Rozanov, T. G. Shepherd, K. Shibata, A. Stenke, H. Struthers, and **W. Tian** (2009): Northern winter stratospheric temperature and ozone responses to ENSO inferred from an ensemble of Chemistry Climate Models. *Atmos. Chem. Phys.*, **9**, 8935-8948.
89. Gettelman, A., T. Birner, V. Eyring, H. Akiyoshi, D. A. Plummer, M. Dameris, S. Bekki, F. Lefèvre, F. Lott, C. Brühl, K. Shibata, E. Rozanov, E. Mancini, G. Pitari, H. Struthers, **W. Tian**, and D. E. Kinnison (2009): The Tropical Tropopause Layer 1960-2100, *Atmos. Chem. Phys.*, **9**, 1621-1637.
90. Tourpali, K., A. F. Bais, A. Kazantzidis, C. S. Zerefos, H. Akiyoshi, J. Austin, C. Brühl, N. Butchart, M. P. Chipperfield, M. Dameris, M. Deushi, V. Eyring, M. A. Giorgetta, D. E. Kinnison, E. Mancini, D. R. Marsh, T. Nagashima, G. Pitari, D. A. Plummer, E. Rozanov, K. Shibata, and **W. Tian** (2009): Clear sky UV simulations in the 21st century based on ozone and temperature projections from Chemistry-Climate Models, *Atmos. Chem. Phys.*, **9**, 1165-1172.

## 2008 年:

91. **Tian, W.**, S, M. P. Chipperfield, and Q. Huang (2008): Effects of the Tibetan Plateau on total column ozone distribution, *Tellus*, **60B**, 4, 622-635, doi: 10.1111/j.16000889.2008.00338.x.
92. Xie, F., **W. Tian**, and M. P. Chipperfield (2008), Radiative effect of ozone change on stratosphere-troposphere exchange, *J. Geophys. Res.*, **113**, D00B09, doi:10.1029/2008JD009829. (通讯作者)
93. Austin, J., K. Tourpali, E. Rozanov, H. Akiyoshi, S. Bekki, G. Bodeker, C. Brühl, 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. *J. Geophys. Res.*, **113**, D11306, doi:10.1029/2007JD009391.

## 2007年:

94. Eyring, V., D. W. Waugh, G. E. Bodeker, E. Cordero, H. Akiyoshi, J. Austin, S. R. Beagley, B. A. Boville, P. Braesicke, C. Bruhl, 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, **Tian W.**, and M. Yoshiki, (2007): Multimodel projections of stratospheric ozone in the 21st century, *J. Geophys. Res.*, **112**, D16303, doi: 10.1029/2006JD008332.

#### 2006 年:

95. **Tian W.**, M. P. Chipperfield, (2006): Stratospheric water vapor trends in a coupled chemistry-climate model. *Geophys. Res. Lett.* **33**, L06819, doi:10.1029/2005GL024675.
96. **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, *J. Geophys. Res.*, **111**, D20301, doi:10.1029/2005JD006871.
97. Eyring V, Butchart N, Waugh D.W, Akiyoshi H, Austin J, Bekki S, Bodeker GE, Boville BA, Bruhl C, Chipperfield MP, Cordero E, Dameris M , Deushi M, Fioletov VE, Frith SM, Garcia RR, Gettelman A, Giorgetta MA, Grewe V, Jourdain L, Kinnison DE, Mancini E, Manzini E, Marchand M, Marsh DR, Nagashima T, Newman PA, Nielsen JE, Pawson S, Pitari G, Plummer DA, Rozanov E, Schraner M, Shepherd TG, Shibata K, Stolarski RS, Struthers H, **Tian W**, Yoshiki M, (2006): Assessment of temperature, trace species, and ozone in chemistry-climate model simulations of the recent past *J. Geophys. Res.*, **111** (D22), Art. No. D22308 NOV 23 2006.

#### 2005 年:

98. **Tian W.**, M. P. Chipperfield, (2005): A new coupled chemistry-climate model for the stratosphere: the importance of coupling for future O<sub>3</sub>-climate predictions. *Q. J. R. Meteorol. Soc.*, **131**, 281-303.

#### 2004 年:

99. **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. *J. Atmos.Ocean. Tech.*, **21**, 1481-1490.
100. **Tian W.**, Z. H. Guo, and R. C. Yu, (2004): Treatment of LBCs in 2D simulation of convection over hills. *Advances Atmos. Sci.*, **21**, 573-586.

**2003 年:**

101. **Tian W.**, and D. J. Parker, (2003): A modeling study and scaling analysis of orographic effects on boundary layer shallow convection. *J. Atmos. Sci.*, **60**, 1981-1991.
102. **Tian, W.**, Parker, D. J. and Kilburn, C. A. D., (2003): Observations and numerical simulation of atmospheric cellular convection over mesoscale topography. *Mon. Wea. Rev.*, **131**, 222-235.

**2002 年:**

103. **Tian, W.** and Parker, D. J., (2002): Two-dimensional simulation of orographic effects on mesoscale boundary-layer convection. *Q. J. R. Meteorol. Soc.*, **128**, 1929-1952.