

Curriculum Vitae (updated 2010)

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Education

1. Ph.D, Physics, Geophysical Institute, University of Alaska, Fall 1989-Mar 1993.
2. M.Sc., Space Physics, Wuhan University, Wuhan, China, Sept. 1984-July 1987.
3. B.Sc., Radio Wave Propagation and Antenna, Wuhan University, Wuhan, China, Sept. 1980-July 1984.

Work Experience

1. Professor (tenured), Atmospheric Sciences Research Center; Adjunct professor in Dept. of Environmental and atmospheric sciences, SUNY at Albany, Sept. 2000-present, Research on radiative transfer and remote sensing, and instrument development.
2. Senior Research Scientist, ASRC, SUNY at Albany, July 1996-2000, Research on radiative transfer, remote sensing, data analysis of various radiation measurements (surface and Satellite).
3. Post-doctoral, ASRC, SUNY at Albany, June 1994-1996, Research on radiative transfer and remote sensing.
4. Postdoctoral Fellow, Geophys. Inst., University of Alaska, June 1993-May 1994, Research on Auroral physics and chemistry, Data analysis of Incoherent-Scatter Radar.
5. Assistant Professor, Dept. of Space Physics, Wuhan University, May 1987-Aug. 1989

Publications

1. Gerald G. Mace, Stephanie Houser, Sally Benson, Stephen A. Klein, and Qilong Min, Critical Evaluation of the ISCCP Simulator Using Ground-Based Remote Sensing Data, revised in J. Climate, 2010.
2. Song L, and Q. Min. Cloud 3D effects on broadband heating rate profiles: I. Model simulation. JQSRT (2010), doi:10.1016/j.jqsrt.2010.06.020
3. Siwei Li, and Qilong Min, The diagnosis of multi-layer clouds using photon path length distributions, in press, J. Geophys. Res., 2010.
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5. Yanfen Lin, Qilong Min, Guoshun Zhuang, Zuwu Wang, Wei Gong, and Rui Li, Spatial features of rain frequency change induced by pollution and associated aerosols, Atmos. Chem. Phys. Discuss., 10, 14495–14511, 2010.
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8. Duan Minzheng, Qilong Min, Knut Stamnes, Impact of vertical stratification of inherent optical properties on radiative transfer in a plane-parallel turbid medium, Optical Express, Vol. 18, No. 6 / OPTICS EXPRESS 5629-5638, 2010.
9. Min Qilong, and Li, R., Longwave indirect effect of mineral dusts on ice clouds, Atmos. Chem. Phys. Discuss., 10, 763-783, 2010.
10. Li Rui, Q.-L.Min, and L. Harrison., A Case Study: the Indirect Aerosol Effects of Mineral Dust on Warm Clouds, J. Atmos. Sci., vol 67, 805-816, 2010. DOI: 10.1175/2009JAS3235.1
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12. Duan, M. Z., Q. L. Min, and D. R. Lu, 2010: A polarized radiative transfer model based on successive order of

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13. Min Qilong, Bing Lin, and Rui Li, Remote sensing vegetation hydrological states using passive microwave measurements, *IEEE JOURNAL OF SELECTED TOPICS IN APPLIED EARTH OBSERVATIONS AND REMOTE SENSING*, VOL. 3, NO. 1, 124-131, 2010, doi:10.1109/JSTARS.2009.2032557
 14. B. Lin, L. Chambers, P. Stackhouse Jr., B. Wielicki, Y. Hu, P. Minnis, N. Loeb, W. Sun, G. Potter, Q. Min, G. Schuster, and T.-F. Fan, Estimations of climate sensitivity based on top-of-atmosphere radiation imbalance, *Atmos. Chem. Phys. Discuss.*, 9, 24731-24753, 2009.
 15. Rui Li, Qilong Min, Bing Lin, Estimation of evapotranspiration in a mid-latitude forest using the Microwave Emissivity Difference Vegetation Index (EDVI), *Remote Sensing of Environment* 113 (2009) 2011-2018.
 16. Min, Q.-L., Li, R., Lin, B., Joseph, E., Wang, S., Hu, Y., Morris, V., and Chang, F.: Evidence of mineral dust altering cloud microphysics and precipitation, *Atmos. Chem. Phys.*, 9, 3223-3231, 2009.
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