

Jian Yang — 00's

Professional Preparation

Peking University	Space Physics	B.Sc.	2005
Rice University	Physics and Astronomy	M.S.	2008
Rice University	Physics and Astronomy	Ph.D.	2009

Appointments

2009/08-2011/10	Postdoct, Physics and Astronomy Dept., Rice University
2011/10-present	Research Scientist, Physics and Astronomy Dept., Rice University

Awards

The William & Elva Gordon Fellowship, 2008-2009, Rice University
NSF Geospace Environment Modeling postdoctoral research award, 2010

Recent Publications

- Yang, J., R. A. Wolf, F. R. Toffoletto and S. Sazykin (2013), RCM-E simulation of substorm growth phase arc associated with large-scale adiabatic convection, *Geophys. Res. Lett.*, 10.1002/2013GL058253.
- Yang, J., F. R. Toffoletto, R. A. Wolf, S. Sazykin, P. A. Ontiveros, and J. M. Weygand (2012), Large-scale current systems and ground magnetic disturbance during deep substorm injections, *J. Geophys. Res.*, 117, A04223, doi:10.1029/2011JA017415.
- Yang, J., F. R. Toffoletto, X. Xing, and V. Angelopoulos (2012), RCM-E simulation of the 13 March 2009 steady magnetospheric convection event, *J. Geophys. Res.*, 117, A03224, doi:10.1029/2011JA017245.
- Yang, J., F. R. Toffoletto, R. A. Wolf, and S. Sazykin (2011), RCM-E simulation of ion acceleration during an idealized plasma sheet bubble injection, *J. Geophys. Res.*, 116, A05207, doi:10.1029/2010JA016346.
- Yang, J., R. A. Wolf, and F. R. Toffoletto (2011), Accelerated thinning of the near-Earth plasma sheet caused by a bubble-blob pair, *Geophys. Res. Lett.*, 38, L01107, doi:10.1029/2010GL045993.
- Yang, J., F. R. Toffoletto, and Y. Song (2010), Role of depleted flux tubes in steady magnetospheric convection: Results of RCM-E simulations, *J. Geophys. Res.*, 115, A00111, doi:10.1029/2010JA015731.
- Yang, J., F. R. Toffoletto, G. M. Erickson, and R. A. Wolf (2010), Superposed epoch study of $PV^{5/3}$ during substorms, pseudobreakups and convection bays, *Geophys. Res. Lett.*, 37, L07102, doi:10.1029/2010GL042811.
- Yang, J., F. R. Toffoletto, R. A. Wolf, S. Sazykin, R. W. Spiro, P. C. Brandt, M. G. Henderson, and H. U. Frey (2008), Rice Convection Model simulation of the 18 April 2002 sawtooth event and evidence for interchange instability, *J. Geophys. Res.*, 113, A11214, doi:10.1029/2008JA013635.

Synergistic Activities

NSF GEM review panel

Reviewer for JGR-Space Physics, Geophysical Research Letters, Annales Geophysicae

Graduate and Postdoctoral Advisors:

Thesis and Postdoctoral Advisor: F. R. Toffoletto, Rice University