

Curriculum Vitae

- **Takeru K. Suzuki**

- Associate Professor, Department of Physics, Nagoya University
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- Professional Appointments

- April, 2003 – February, 2006 : Kyoto University, JSPS Research Fellow
- March, 2006 – September 2009 : University of Tokyo, Assistant Professor
- October, 2009 – : Nagoya University, Associate Professor

- Education

- March, 1998, University of Tokyo, Bachelor of Science
- March, 2000, University of Tokyo, Master of Science
- March, 2003, University of Tokyo, Ph.D.

Refereed Publications (selected)

1. Suzuki, T. K. & Inutsuka, S., “Disk Winds Driven by Magnetorotational Instability and Dispersal of Protoplanetary Disks”, *Astrophys. J. Lett.*, **691**, L49 - L54 (2009)
2. Suzuki, T. K., Sumiyoshi, K, & Yamada, S., ”Alfvén wave-driven Supernova Explosions”, *Astrophys. J.*, **678**, 1200-1206 (2008)
3. Suzuki, T. K., Nakasato, N., Baumgardt, H. Ibukiyama, A., Makino, J., & Ebisuzaki, T., “Evolution of Collisionally Merged Massive Stars”, *Astrophys. J.*, **668**, 435-448 (2007)
4. Suzuki, T. K., Lazarian, A., & Beresnyak, A., “Cascading of Fast-Mode Balanced and Imbalanced Turbulence”, *Astrophys. J.*, **662**, 1033-1042 (2007)
5. Suzuki, T. K., “Structured Red Giant Winds with Magnetized Hot Bubbles and the Corona/Cool Wind Dividing Line”, *Astrophys. J.*, **659**, 1592-1610 (2007)
6. Suzuki, T. K. & Inutsuka, S., “Solar winds driven by nonlinear low-frequency Alfvén waves from the photosphere: Parametric study for fast/slow winds and disappearance of solar winds”, *J. Geophys. Res.*, A06101 (2006)
7. Suzuki, T. K., Yan, H., Lazarian, A., & Cassinelli, J. P., “Collisionless Damping of Fast Magnetohydrodynamic Waves in Magnetorotational Winds”, *Astrophys. J.*, **640**, 1005-1017 (2006)

8. Suzuki, T. K., “Forecasting Solar Wind Speeds”, *Astrophys. J.*, **640**, L75-L78 (2006)
9. Suzuki, T. K. & Inutsuka, S., “Making the Corona and the Fast Solar Wind: A Self-consistent Simulation for the Low-Frequency Alfvén Waves from the Photosphere to 0.3 AU”, *Astrophys. J.*, **632**, L49-L52 (2005)
10. Suzuki, T. K., “Coronal heating and acceleration of the high/low-speed solar wind by fast/slow MHD shock trains”, *Mon. Not. Roy. Astron. Soc.*, **349**, 1227-1239 (2004)
11. Fujita, Y., Suzuki, T. K., & Wada, K., “Tsunamis in Galaxy Clusters: Heating of Cool Cores by Acoustic Waves”, *Astrophys. J.*, **600**, 650-656 (2004)
12. Suzuki, T. K. & Inoue, S., “Cosmic-Ray Production of ${}^6\text{Li}$ by Structure Formation Shocks in the Early Milky Way: A Fossil Record of Dissipative Processes during Galaxy Formation”, *Astrophys. J.*, **573**, 168-173 (2002)

Invited Talks

1. “Roles of Alfvén Waves in Determining Solar Wind Properties” in 6th. Annual Meeting of Asia Oceania Geoscience Society”, Aug. 11-15, 2009, Singapore
2. “Evolution of Stellar Wind from the Sun to Red Giants”, in “IAU Symp.257 Universal Heliophysical Processes”, Sep.15-19, 2008, Ioannina, Greece
3. “MHD simulations of stellar/solar winds driven by surface convection”, in “2nd East Asian Numerical Astrophysics Meeting”, Nov.1-3, 2006, Daejeon, Korea
4. “Coronal Heating and Wind Acceleration by Nonlinear Alfvén Waves -Global Simulation with Gravity, Radiation, and Conduction-”, in “The 6th International Workshop on Nonlinear Waves and Turbulence in Space Plasma”, Oct.9-13, 2006, Fukuoka, Japan
5. “Making the Corona and the Solar Wind via Nonlinear Alfvén Waves from the Photosphere”, in “European Geoscience Union General Assembly”, April 2-7, 2006, Vienna, Austria
6. “Self-Consistent MHD Modeling of Solar Wind”, in “6th Solar-B Science Meeting”, Nov.8-11, 2005, Kyoto, Japan
7. “Coronal Heating and Solar Wind Acceleration by MHD Shock Trains”, in “1st. Annual Meeting of Asia Oceania Geoscience Society”, July 6-9, 2004, Singapore
8. “Cosmic Ray Production of ${}^6\text{Li}$ by Structure Formation Shocks”, in “Galactic Chemodynamics V.”, July 9-11, 2003 in Swinburne University, Melbourne, Australia