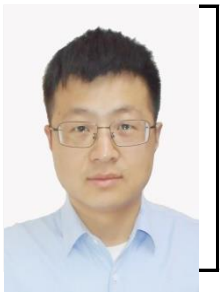
Academic Staff Resume

Name: Ming Wang
Title:
Dept. SKLplanet

Office： C205
Tel.：(853) 8897 3229
E-mail：mwang@must.edu.mo



Academic Qualification:

Ph.D. in Space Weather, Nanjing University of Information Science and Technology, 2012.09-2015
Master in Space Weather, Nanjing University of Information Science and Technology, 2009.09-201
Bachelor in Physics, Nanjing University of Information Science and Technology, 2005.09-2009.06

Teaching Area

Research Area

Solar Wind-Magnetosphere Coupling
The Interaction between Solar Wind and Martian Space Environment

Working Experience

2015.06-present, Institute of Space Weather, Nanjing University of Information Science and Technology, Lecturer
2020.02-present, >> State Key Laboratory of Lunar and Planetary Sciences, Macau Univesity of Science andTechnology, Postdoctoral Fellow

Research Projects

National Natural Science Foundation of China (grant 42074195), The study of the response and mechanism of the magnetosphere to radial IMF, 2021.01-2024.12.
National Natural Science Foundation of China (grant 41604141), The study of IMF Bx effects on the shapes and sizes of the magnetopause and bow shock, 2017.01-2019.12.
Natural Science Foundation of JiangSu Province (Youth Fund: BK20160952), The study of IMF clock angle effects on the Earth’s bow shock, 2016.06-2019.08.

Professional Certification and Awards

Professional Society Membership

Academic Publication

Journal Articles:

1) **Wang, M.**, Xie, L., Lee, L. C., Xu, X. J., Kabin, K., Lu, J. Y., ... & Li, L. (2020). A 3D Parametric Martian Bow Shock Model with the Effects of Mach Number, Dynamic Pressure, and the Interplanetary Magnetic Field. The Astrophysical Journal, 903(2), 125.

2) **Wang, M.**, Lu, J. Y., Kabin, K., Yuan, H. Z., Zhou, Y., & Guan, H. Y. (2020). Influence of the Interplanetary Magnetic Field Cone Angle on the Geometry of Bow Shocks. The Astronomical Journal, 159(5), 227.

3) **Wang, M.**, Lu, J. Y., Kabin, K., Yuan, H. Z., Liu, Z. Q., Zhao, J. S., Li, G. (2018) The influence of IMF By on the bow shock: observation result. Journal of Geophysical Research: Space Physics, 123(3): 1915-1926.

4) **Wang, M.**, Lu, J. Y., Kabin, K., Yuan, H. Z., Ma, X., Liu, Z. Q., Yang, Y. F., Zhao, J.Y., Li, G. (2016). The influence of IMF clock angle on the cross section of the tail bow shock. Journal of Geophysical Research: Space Physics, 121(11): 11077-11085

5) **Wang, M.**, Lu, J. Y., Yuan, H. Z., Kabin, K., Liu, Z. Q., Zhao, M. X., & Li, G. (2015). The dipole tilt angle dependence of the bow shock for southward IMF: MHD results. Planetary and Space Science, 106, 99-107.

6) Lu, J. Y., **Wang, M.**, Kabin, K., Zhao, J. S., Liu, Z. Q., Zhao, M. X., & Li, G. (2015). Pressure balance across the magnetopause: Global MHD results. Planetary and Space Science, 106, 108-115.

7) **Wang M**, Yu C, Lu J Y, et al. 2020. Effects of IMF By on the bow shock: MHD results. Chinese Journal of Geophysics (in Chinese), 63(5): 1725-1737. doi:10.6038/cjg2020M0563.

8) **Wang M**, Lu J Y, Li G. 2014. The study of the solar wind pressure coefficient, Chinese Journal of Geophysics (in Chinese) (SCIE), 57(11), 3804-3811. doi:10.6038/cjg20141101.

9) **Wang M**, Lu J Y, Liu Z Q, Pei S X. Dependence of magnetic field just inside the magnetopause on subsolar standoff distance: Global MHD results. Chinese Science Bulletin, 2012, 57: 1–6, doi: 10.1007/s11434-011-4961-6

Books & Book Chapters:

Conference Papers: