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學歷

PHD: National Space Science Center, CAS, Space Physics
BSc & MSc: Changsha University of Science and Technology, Physics

教學領域

Introduction to Space Weather
Magnetospheric Physics

研究領域

Space Weather
Magnetospheric Physics
Lunar Space Environment

工作經歷

2024.01-Now SKL-Planet, Macau University of Science and Technology, Associate Professor
2018.10-2024.01 School of Atmospheric Science, Sun-yat Sen University, Associate Professor
2016.09-2017.12 University of Texas at Dallas, Visiting Scholar
2015.08-2018.10 Harbin Institute of Technology, PosDoc

學術出版物 (精選)

- Li Z, He Z.*, et al. Simulations on Levitation and Spatial Distribution of Charged Dust on the Moon Surface (2024). *The Planetary Science Journal*, 2024, 5(7): 156.
- Yu J, Ren A, He Z.*, et al, Resonant Interactions Between Relativistic Electrons and EMIC Waves Modified by Partial Shell Proton Velocity Distributions (2024). *Journal of Geophysical Research: Space Physics*, doi: 10.1029/2023JA032355.
- Yu J, Wang J, He Z.*, Chen Z, Li L, Cui J and Cao J (2023), Electron diffusion by chorus waves: effects of latitude dependent wave power spectrum. *Front. Astron. Space Sci.* 10:1333184. doi: 10.3389/fspas.2023.1333184
- Wu, Z., Su, Z.*, He, Z.*, Zheng, H., Wang, Y. (2022). Magnetosonic waves above the lower hybrid frequency in cyclotron resonance with the Van Allen radiation belt electrons. *Geophysical Research Letters*, e2022GL100971.
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- Chen, Z., Su, Z.*, He, Z.*, Wu, Z., Dai, G., Wang, B., ... & Wang, Y. (2022). A rapid localized deceleration of Earth's radiation belt relativistic electrons driven by storm proton injection. *Geophysical Research Letters*, e2022GL098810.
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- He, Z., Yu, J., Chen, L., Xia, Z., Wang, W., Li, K., & Cui, J. (2020). Statistical study on locally generated high-frequency plasmaspheric hiss and its effect on suprathermal electrons: Van Allen Probes observation and quasi-linear simulation. *Journal of Geophysical Research: Space Physics*, 125(10), e2020JA028526.
- He, Z., Yan, Q., Zhang, X., Yu, J., Ma, Y., Cao, Y., & Cui, J. (2020). Precipitation loss of radiation belt electrons by two-band plasmaspheric hiss waves. *Journal of Geophysical Research: Space Physics*, 125(10), e2020JA028157.
- He, Z., Chen, L., Liu, X., Zhu, H., Liu, S., Gao, Z., & Cao, Y. (2019). Local generation of high-frequency plasmaspheric hiss observed by Van Allen Probes. *Geophysical Research Letters*, 46(3), 1141-1148.
- He, Z., Yan, Q., Ma, Y., & Cao, Y. (2018). Precipitation loss of Van Allen radiation belt electrons by hiss waves outside the plasmasphere. *Astrophysics and Space Science*, 363(4), 1-6.
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