**First Author and Corresponding Author：**

1. Jiayun Wei, **Zhengyang Zou** (\*), Pingbing Zuo(\*), Binbin Ni, Mengsi Ruan, Xueshang Feng (2024)，Commencement and Interruption of Relativistic Electron Dropout in the Heart of the Outer Radiation Belt Induced by a Magnetic Cloud Event. J. Geophys. Res: Space Phys, doi: 10.1029/2023]A032138.
2. **Zhengyang Zou**, Pingbing Zuo (\*), Binbin Ni, Jiayun Wei, Wentao Zhou, Hanyu Huang, Yanqiong Xie (2024)，Competition Between the Source and Loss Processes of Radiation Belt Source, Seed, and Relativistic Electrons Induced by a Magnetic Cloud Event. Physics of Fluids. 36, 026603, doi: 10.1063/5.0186605.
3. **Zhengyang Zou** (\*), Hanyu Huang, Pingbing Zuo, Binbin Ni, Wen San, Qitong Yuan, Jiahui Hu, Jiayun Wei (2024), A Forecast Model of Geomagnetic Indices from the Solar Wind Fluids Observations based on Long Short-Term Memory Neutral Networks. Physics of Fluids. POF24-AR-00104, **Accepted**.
4. **[Zhengyang Zou](http://dx.doi.org/10.1063/5.0065582" \t "_blank)**[, Geng Wang, Pingbing Zuo (\*), Binbin Ni, Geng Wang, Zhengyu Zhao, Xuesheng Feng, Xiaojun Xu, Chaowi, Jiang, Yi Wang, and Fengsi Wei (2021), Evidence of Wave-wave Coupling Between Frequency Harmonic Bands of Magnetosonic Waves. Plasma of Phys. 28(12): 122903. doi: 10.1063/5.0065582](http://dx.doi.org/10.1063/5.0065582" \t "_blank)
5. [**Zhengyang Zou (\*)**, Yuri Shprits, Binbin Ni, Nikita Aseev, Fengsi Wei (2019), An Artificial Neural Network Model of Electron Fluxes in The Earth’s Central Plasma Sheet: A THEMIS Survey. ApSS. doi: 10.1007/s10509-020-03819-0.](https://link.springer.com/article/10.1007/s10509-020-03819-0)
6. [**Zhengyang Zou**, Pingbing Zuo (\*), Binbin Ni, Zhonglei Gao, Geng Wang, Zhengyu Zhao, Xueshang Feng, Fengsi Wei (2020), Two-step Dropouts of Radiation Belt Electron Phase Space Density Induced by a Magnetic Cloud Event. Astrophys. J. Lett. doi: 10.3847/2041-8213/ab9179.](https://iopscience.iop.org/article/10.3847/2041-8213/ab9179)
7. [**Zhengyang Zou**, Pingbing Zuo (\*), Binbin Ni, Fengsi Wei, Xing Cao, Song Fu, Sudong Gu, Zhengyu Zhao (2019), Wave Normal Angle Distribution of Fast Magnetosonic Waves: A Survey of Van Allen Probes EMFISIS Observations. J. Geophys. Res: Space Phys, doi:10.1029/2019JA026556.](https://agupubs.onlinelibrary.wiley.com/doi/abs/10.1029/2019JA026556)

**Co-author:**

1. [Binbin Ni, **Zhengyang Zou**, Song Fu, Xing Cao, Xudong Gu, and Zheng Xiang (2018), Resonant Scattering of Radiation Belt Electrons by Off-Equatorial Magnetosonic Waves, Geophys. Res. Lett., 43, doi: 10.1002/2017GL075788.](https://agupubs.onlinelibrary.wiley.com/doi/10.1002/2017GL075788)
2. [Binbin Ni, **Zhengyang Zou**, Xinlin Li, Jacob Bortnik, Lun Xie, and Xudong Gu (2016), Occurrence characteristics of outer zone relativistic electron butterfly distribution: A survey of Van Allen Probes REPT measurements, Geophys. Res. Lett., 43, doi:10.1002/2016GL069350.](https://agupubs.onlinelibrary.wiley.com/doi/10.1002/2016GL069350)
3. [Binbin Ni, **Zhengyang Zou**, Xudong Gu, Chen Zhou, Richard M. Thorne, Jacob Bortnik, Run Shi, Zhengyu Zhao, Daniel N. Baker, Shrikhanth G. Kanekal, Harlan E. Spence, Geoffrey D. Reeves, Xinlin Li (2015), Variability of the pitch angle distribution of radiation belt ultrarelativistic electrons during and following intense geomagnetic storms: Van Allen Probes observations. J. Geophys. Res: Space Phys, doi: 10.1002/2015JA021065.](https://agupubs.onlinelibrary.wiley.com/doi/10.1002/2015JA021065)

1. [Zhonglei Gao,](https://aip.scitation.org/doi/10.1063/1.5115542) **[Zhengyang Zou](https://aip.scitation.org/doi/10.1063/1.5115542)**[, Pingbing Zuo, Yi Wang, Zhaoguo He, and Fengsi Wei (2019), Low-frequency hiss-like whistler-mode waves generated by nonlinear three-wave interactions outside the plasmasphere, Plasma of Phys, doi: 10.1063/1.5115542.](https://aip.scitation.org/doi/10.1063/1.5115542)
2. [Binbin Ni, Xing Cao,](https://agupubs.onlinelibrary.wiley.com/doi/10.1002/2015JA021466) **[Zhengyang Zou](https://agupubs.onlinelibrary.wiley.com/doi/10.1002/2015JA021466)**[, Chen Zhou, Xudong Gu, Jacob Bortnik, Jichun Zhang, Song Fu, Zhengyu Zhao, Run Shi, and Lun Xie (2015), J. Geophys. Res: Space Phys, doi: 10.1002/2015JA021466](https://agupubs.onlinelibrary.wiley.com/doi/10.1002/2015JA021466)
3. [Xing Cao, Binbin Ni, Danny Summers, **Zhengyang Zou**, Song Fu, and Wenxun Zhang (2017), Bounce resonance scattering of radiation belt electrons by low-frequency hiss: comparison with cyclotron and landau resonances, Geophys. Res. Lett., doi: 10.1002/2017GL075104.](https://agupubs.onlinelibrary.wiley.com/doi/10.1002/2017GL075104)
4. [Wenxun Zhang, Song Fu, Xudong Gu, Binbin Ni, Zheng Xiang, Danny Summers, **Zhengyang Zou**, Xing Cao, Yuequn Lou, and Man Hua (2018), Electron scattering by plasmaspheric hiss in a nightside plume, Geophys. Res. Lett., doi: 10.1002/2018GL077212.](https://agupubs.onlinelibrary.wiley.com/doi/10.1029/2018GL077212)
5. [Yuequn Lou, Xudong Gu, Danny Summers, Binbin Ni, Kaijun Liu, Song Fu, Zheng Xiang, **Zhengyang Zou**, Xing Cao, Wenxun Zhang, He Huang, and Ying He (2018), Statistical distributions of dayside ECH waves observations by MMS, Geophys. Res. Lett., doi: 10.1002/2018GL0801252.](https://agupubs.onlinelibrary.wiley.com/doi/10.1029/2018GL080125)
6. [Yang Zhang, Binbin Ni, Zheng Xiang, Xianguo Zhang, Xiaoxin Zhang, Xudong Gu, Song Fu, Xing Cao, and **Zhengyang Zou** (2018), Inter-satellite calibration of Fengyun 3 medium energy electron fluxes with POES electron measurements, Adv Space Res., doi: 10.1016/j.asr.2018.02.017.](https://www.sciencedirect.com/science/article/pii/S0273117718301509)
7. [Yang Zhang, Run Shi, Binbin Ni, Xudong Gu, Xianguo Zhang, Pingbing Zuo, Song Fu, Zheng Xiang, Qi Wang, Xing Cao, and **Zhengyang Zou** (2017), Inferring electromagnetic ion cyclotron wave intensity from low altitude POES proton flux measurements: A detailed case study with conjugate Van Allen Probes observations, Adv Space Res., doi: 10.1016/j.asr.2016.12.035.](https://www.sciencedirect.com/science/article/pii/S0273117716307578)
8. [Zheng Xiang, Binbin Ni, Chen Zhou, **Zhengyang Zou**, Xudong Gu, Zhengyu Zhao, Xianguo Zhang, Xiaoxin Zhang, Shenyi Zhang, Xinlin Li, Pingbing Zuo, Harlan Spence, and Geoffrey Reeves (2016), Multi-satellite simultaneous observations of magnetopause and atmospheric losses of radiation belt electrons during an intense solar wind dynamic pressure pulse, Ann. Geophys., 34, 493-509, doi: 10.5194/angeo-34-493-2016](https://www.ann-geophys.net/34/493/2016/).
9. [Xudong Gu, Qian Yin, Binbin Ni, Zheng Xiang, Xing Cao, **Zhengyang Zou**, Chen Zhou, Song Fu, Run Shi, Zhengyu Zhao, Jiaqiang Tan, Hao Wang, Chengyao Zheng, and Fengming He (2017), A statistical analysis of the global distribution of inner magnetospheric lower-band chorus waves based on Van Allen Probes EMFISIS observations.*Chinese Journal Of Geophysics*,60(4), doi: 10.6038/cjg20170401.](http://www.geophy.cn/CN/10.6038/cjg20170401)
10. [Xudong Gu, Qian Yin, Ruoxian Zhou, Juan Yi, Zheng Xiang, Xing Cao, **Zhengyang Zou**, Song Fu, Chen Zhou, Run Shi, Zhengyu Zhao, Fengming He, Jiaqiang Tan, Chengyao Zheng and Hao Wang (2017), A statistical analysis of the global distribution of inner magnetospheric upper-band chorus waves based on Van Allen Probes EMFISIS observations.*Chinese Journal Of Geophysics*,60(4), doi: 10.6038/cjg20170402.](http://www.geophy.cn/CN/10.6038/cjg20170402)
11. [Xiang, Jiaqiang Tan, Binbin ni, Xudong gu, Xing Cao, **Zhengyang Zou**, Chen Zhou, Song Fu, Run Shi, Zhengyu Zhao, Fengming He, Chengyao Zheng, Qian Yin, Hao Wang (2017), A statistical analysis of the global distribution of plasmaspheric hiss based on Van Allen Probes wave observations, Acta Physica Sinica, doi: 10.7498/aps.66.039401.](http://www.en.cnki.com.cn/Article_en/CJFDTotal-WLXB201703035.htm)
12. [Geng Wang](https://agupubs.onlinelibrary.wiley.com/action/doSearch?ContribAuthorRaw=Wang%2C+Geng), [ZhongLei Gao](https://agupubs.onlinelibrary.wiley.com/action/doSearch?ContribAuthorRaw=Gao%2C+ZhongLei), [MingYu Wu](https://agupubs.onlinelibrary.wiley.com/action/doSearch?ContribAuthorRaw=Wu%2C+MingYu), [GuoQiang Wang](https://agupubs.onlinelibrary.wiley.com/action/doSearch?ContribAuthorRaw=Wang%2C+GuoQiang), [SuDong Xiao](https://agupubs.onlinelibrary.wiley.com/action/doSearch?ContribAuthorRaw=Xiao%2C+SuDong), [YuanQiang Chen](https://agupubs.onlinelibrary.wiley.com/action/doSearch?ContribAuthorRaw=Chen%2C+YuanQiang), [**ZhengYang Zou**](https://agupubs.onlinelibrary.wiley.com/action/doSearch?ContribAuthorRaw=Zou%2C+ZhengYang), [TieLong Zhang](https://agupubs.onlinelibrary.wiley.com/action/doSearch?ContribAuthorRaw=Zhang%2C+TieLong) (2021), Trapping and Amplification of Unguided Mode EMIC Waves in the Radiation Belt, J. Geophys. Res: Space Phys, doi: 10.1029/2021JA029322.
13. Geng Wang, Mingyu Wu, Guoqiang Wang, Sudong Xiao, Irina Zhelavskaya3, Yuri Shprits, Yuanqiang Chen, **Zhengyang Zou**, Zhonglei Gao, Wen Yi, and Tielong Zhang (2021), Reflection of low-frequency fast magnetosonic waves at the local two-ion cutoff frequency: observation in the plasmasphere, Ann. Geophys., 39, 613-625, doi: 10.5194/angeo-39-613-2021.
14. Zhonglei Gao, Xiongjun Shang, Pingbing Zuo, **Zhengyang Zou**, Geng Wang, Xueshang Feng, Chunyi Guan and Fengsi Wei (2020), Lag-correlated rising tones of electron cyclotron harmonic and whistler-mode upper- band chorus waves, Plasma of Phys, doi: 10.1063/5.0008812.

**Sorted by years:**

**2024:**

1. Jiayun Wei, **Zhengyang Zou** (\*), Pingbing Zuo(\*), Binbin Ni, Mengsi Ruan, Xueshang Feng (2023)，Commencement and Interruption of Relativistic Electron Dropout in the Heart of the Outer Radiation Belt Induced by a Magnetic Cloud Event. J. Geophys. Res: Space Phys, doi: 10.1029/2023]A032138.
2. **Zhengyang Zou**, Pingbing Zuo (\*), Binbin Ni, Jiayun Wei, Wentao Zhou, Hanyu Huang, Yanqiong Xie (2023)，Competition Between the Source and Loss Processes of Radiation Belt Source, Seed, and Relativistic Electrons Induced by a Magnetic Cloud Event. Plasma of Fluids. POF23-AR-08909, Accepted.
3. **Zhengyang Zou** (\*), Hanyu Huang, Pingbing Zuo, Binbin Ni, Wen San, Qitong Yuan, Jiahui Hu, Jiayun Wei (2024), A Forecast Model of Geomagnetic Indices from the Solar Wind Fluids Observations based on Long Short-Term Memory Neutral Networks. Plasma of Fluids. POF24-AR-00104, Accepted.

**2021:**

1. **Zhengyang Zou**, Geng Wang, Pingbing Zuo (\*), Binbin Ni, Geng Wang, Zhengyu Zhao, Xuesheng Feng, Xiaojun Xu, Chaowi, Jiang, Yi Wang, and Fengsi Wei (2021), Evidence of Wave-wave Coupling Between Frequency Harmonic Bands of Magnetosonic Waves. Plasma of Phys. 28(12): 122903. doi: 10.1063/5.0065582.
2. Geng Wang, ZhongLei Gao, MingYu Wu, GuoQiang Wang, SuDong Xiao, YuanQiang Chen, **ZhengYang Zou**, TieLong Zhang (2021), Trapping and Amplification of Unguided Mode EMIC Waves in the Radiation Belt, J. Geophys. Res: Space Phys, doi: 10.1029/2021JA029322.
3. Geng Wang, Mingyu Wu, Guoqiang Wang, Sudong Xiao, Irina Zhelavskaya3, Yuri Shprits, Yuanqiang Chen, **Zhengyang Zou**, Zhonglei Gao, Wen Yi, and Tielong Zhang (2021), Reflection of low-frequency fast magnetosonic waves at the local two-ion cutoff frequency: observation in the plasmasphere, Ann. Geophys., 39, 613-625, doi: 10.5194/angeo-39-613-2021.

**2020:**

1. [**Zhengyang Zou**, Yuri Shprits, Binbin Ni, Nikita Aseev, Fengsi Wei (2019), An Artificial Neural Network Model of Electron Fluxes in The Earth’s Central Plasma Sheet: A THEMIS Survey. ApSS. doi: 10.1007/s10509-020-03819-0.](https://link.springer.com/article/10.1007/s10509-020-03819-0)
2. [**Zhengyang Zou**, Pingbing Zuo, Binbin Ni, Zhonglei Gao, Geng Wang, Zhengyu Zhao, Xueshang Feng, Fengsi Wei (2020), Two-step Dropouts of Radiation Belt Electron Phase Space Density Induced by a Magnetic Cloud Event. Astrophys. J. Lett. doi: 10.3847/2041-8213/ab9179.](https://iopscience.iop.org/article/10.3847/2041-8213/ab9179)
3. Zhonglei Gao, Xiongjun Shang, Pingbing Zuo, **Zhengyang Zou**, Geng Wang, Xueshang Feng, Chunyi Guan and Fengsi Wei (2020), Lag-correlated rising tones of electron cyclotron harmonic and whistler-mode upper- band chorus waves, Plasma of Phys, doi: 10.1063/5.0008812

**2019:**

1. [**Zhengyang Zou**, Pingbing Zuo, Binbin Ni, Fengsi Wei, Xing Cao, Song Fu, Sudong Gu, Zhengyu Zhao (2019), Wave Normal Angle Distribution of Fast Magnetosonic Waves: A Survey of Van Allen Probes EMFISIS Observations. J. Geophys. Res: Space Phys, doi:10.1029/2019JA026556.](https://agupubs.onlinelibrary.wiley.com/doi/full/10.1029/2019JA026556)
2. [Zhonglei Gao, **Zhengyang Zou**, Pingbing Zuo, Yi Wang, Zhaoguo He, and Fengsi Wei (2019), Low-frequency hiss-like whistler-mode waves generated by nonlinear three-wave interactions outside the plasmasphere Plasma of Phys, doi: 10.1063/1.5115542.](https://aip.scitation.org/doi/10.1063/1.5115542)

**2018:**

1. [Binbin Ni, **Zhengyang Zou**, Song Fu, Xing Cao, Xudong Gu, and Zheng Xiang (2018), Resonant Scattering of Radiation Belt Electrons by Off-Equatorial Magnetosonic Waves, Geophys. Res. Lett., 43, doi: 10.1002/2017GL075788.](https://agupubs.onlinelibrary.wiley.com/doi/10.1002/2017GL075788)
2. [Wenxun Zhang, Song Fu, Xudong Gu, Binbin Ni, Zheng Xiang, Danny Summers, **Zhengyang Zou**, Xing Cao, Yuequn Lou, and Man Hua (2018), Electron scattering by plasmaspheric hiss in a nightside plume, Geophys. Res. Lett., doi: 10.1002/2018GL077212.](https://agupubs.onlinelibrary.wiley.com/doi/10.1029/2018GL077212)
3. [Yuequn Lou, Xudong Gu, Danny Summers, Binbin Ni, Kaijun Liu, Song Fu, Zheng Xiang, **Zhengyang Zou**, Xing Cao, Wenxun Zhang, He Huang, and Ying He (2018), Statistical distributions of dayside ECH waves observations by MMS, Geophys. Res. Lett., doi: 10.1002/2018GL0801252.](https://agupubs.onlinelibrary.wiley.com/doi/10.1029/2018GL080125)
4. [Yang Zhang, Binbin Ni, Zheng Xiang, Xianguo Zhang, Xiaoxin Zhang, Xudong Gu, Song Fu, Xing Cao, and **Zhengyang Zou** (2018), Inter-satellite calibration of Fengyun 3 medium energy electron fluxes with POES electron measurements, Adv Space Res., doi: 10.1016/j.asr.2018.02.017.](https://www.sciencedirect.com/science/article/pii/S0273117718301509)

**2017:**

1. [Xing Cao, Binbin Ni, Danny Summers, **Zhengyang Zou**, Song Fu, and Wenxun Zhang (2017), Bounce resonance scattering of radiation belt electrons by low-frequency hiss: comparison with cyclotron and landau resonances, Geophys. Res. Lett., doi: 10.1002/2017GL075104.](https://agupubs.onlinelibrary.wiley.com/doi/10.1002/2017GL075104)
2. [Xudong Gu, Qian Yin, Binbin Ni, Zheng Xiang, Xing Cao, **Zhengyang Zou**, Chen Zhou, Song Fu, Run Shi, Zhengyu Zhao, Jiaqiang Tan, Hao Wang, Chengyao Zheng, and Fengming He (2017), A statistical analysis of the global distribution of inner magnetospheric lower-band chorus waves based on Van Allen Probes EMFISIS observations.*Chinese Journal Of Geophysics*,60(4), doi: 10.6038/cjg20170401.](http://www.geophy.cn/CN/10.6038/cjg20170401)
3. [Xudong Gu, Qian Yin, Ruoxian Zhou, Juan Yi, Zheng Xiang, Xing Cao, **Zhengyang Zou**, Song Fu, Chen Zhou, Run Shi, Zhengyu Zhao, Fengming He, Jiaqiang Tan, Chengyao Zheng and Hao Wang (2017), A statistical analysis of the global distribution of inner magnetospheric upper-band chorus waves based on Van Allen Probes EMFISIS observations.*Chinese Journal Of Geophysics*,60(4), doi: 10.6038/cjg20170402.](http://www.geophy.cn/CN/10.6038/cjg20170402)
4. [Xiang, Jiaqiang Tan, Binbin ni, Xudong gu, Xing Cao, **Zhengyang Zou**, Chen Zhou, Song Fu, Run Shi, Zhengyu Zhao, Fengming He, Chengyao Zheng, Qian Yin, Hao Wang (2017), A statistical analysis of the global distribution of plasmaspheric hiss based on Van Allen Probes wave observations, Acta Physica Sinica, doi: 10.7498/aps.66.039401.](http://www.en.cnki.com.cn/Article_en/CJFDTotal-WLXB201703035.htm)
5. [Yang Zhang, Run Shi, Binbin Ni, Xudong Gu, Xianguo Zhang, Pingbing Zuo, Song Fu, Zheng Xiang, Qi Wang, Xing Cao, and **Zhengyang Zou** (2016), Inferring electromagnetic ion cyclotron wave intensity from low altitude POES proton flux measurements: A detailed case study with conjugate Van Allen Probes observations, Adv Space Res., doi: 10.1016/j.asr.2016.12.035.](https://www.sciencedirect.com/science/article/pii/S0273117716307578)

**2016:**

1. [Binbin Ni, **Zhengyang Zou**, Xinlin Li, Jacob Bortnik, Lun Xie, and Xudong Gu (2016), Occurrence characteristics of outer zone relativistic electron butterfly distribution: A survey of Van Allen Probes REPT measurements, Geophys. Res. Lett., 43, doi:10.1002/2016GL069350.](https://agupubs.onlinelibrary.wiley.com/doi/10.1002/2016GL069350)
2. [Zheng Xiang, Binbin Ni, Chen Zhou, **Zhengyang Zou**, Xudong Gu, Zhengyu Zhao, Xianguo Zhang, Xiaoxin Zhang, Shenyi Zhang, Xinlin Li, Pingbing Zuo, Harlan Spence, and Geoffrey Reeves (2016), Multi-satellite simultaneous observations of magnetopause and atmospheric losses of radiation belt electrons during an intense solar wind dynamic pressure pulse, Ann. Geophys., 34, 493-509, doi: 10.5194/angeo-34-493-2016](https://www.ann-geophys.net/34/493/2016/).

**2015:**

1. [Binbin Ni, **Zhengyang Zou**, Xudong Gu, Chen Zhou, Richard M. Thorne, Jacob Bortnik, Run Shi, Zhengyu Zhao, Daniel N. Baker, Shrikhanth G. Kanekal, Harlan E. Spence, Geoffrey D. Reeves, Xinlin Li (2015), Variability of the pitch angle distribution of radiation belt ultrarelativistic electrons during and following intense geomagnetic storms: Van Allen Probes observations. J. Geophys. Res: Space Phys, doi: 10.1002/2015JA021065.](https://agupubs.onlinelibrary.wiley.com/doi/10.1002/2015JA021065)
2. [Binbin Ni, Xing Cao, **Zhengyang Zou**, Chen Zhou, Xudong Gu, Jacob Bortnik, Jichun Zhang, Song Fu, Zhengyu Zhao, Run Shi, and Lun Xie (2015), J. Geophys. Res: Space Phys, doi: 10.1002/2015JA021466](https://agupubs.onlinelibrary.wiley.com/doi/10.1002/2015JA021466).

**All：**

1. **Zhengyang Zou**, Geng Wang, Pingbing Zuo et al. (2021), Evidence of Wave-wave Coupling Between Frequency Harmonic Bands of Magnetosonic Waves. ***Plasma of Phys***. 28(12): 122903. doi: [10.1063/5.0065582](http://dx.doi.org/10.1063/5.0065582) **(本人一作)**
2. **Zhengyang Zou**, Yuri Shprits, Binbin Ni, Nikita Aseev, Pingbing Zuo and Fengsi Wei (2020), An Artificial Neural Network Model of Electron Fluxes in The Earth’s Central Plasma Sheet: A THEMIS Survey. ***Astrophys. Space. Sci.***, 365, 100. doi: 10.1007/s10509-020-03819-0. **(本人一作)**
3. **Zhengyang Zou**, Pingbing Zuo, Binbin Ni, Zhonglei Gao, Geng Wang, Zhengyu Zhao, Xueshang Feng, and Fengsi Wei (2020), Two-step dropouts of radiation belt electron phase space density induced by a magnetic cloud event, ***Astrophys. J. Lett.***, 895(1), L24. doi:10.3847/2041-8213/ab9179. **(本人一作，SCI 1区顶级期刊)**
4. **Zhengyang Zou**, Pingbing Zuo, Binbin Ni, Fengsi Wei, Xing Cao, Song Fu, Sudong Gu, Zhengyu Zhao (2019), Wave Normal Angle Distribution of Fast Magnetosonic Waves: A Survey of Van Allen Probes EMFISIS Observations. ***J. Geophys. Res: Space Phys***, doi:10.1029/2019JA026556. **(本人一作)**
5. Zhonglei Gao, Xiongjun Shang, Pingbing Zuo, **Zhengyang Zou**, Geng Wang, Xueshang Feng, Chunyi Guan and Fengsi Wei (2020), Lag-correlated rising tones of electron cyclotron harmonic and whistler-mode upper- band chorus waves, ***Plasma of Phys***, doi: 10.1063/5.0008812.
6. Zhonglei Gao, **Zhengyang Zou**, Pingbing Zuo, Yi Wang, Zhaoguo He, and Fengsi Wei (2019), Low- frequency hiss-like whistler-mode waves generated by nonlinear three-wave interactions outside the plasmasphere, ***Plasma of Phys***, doi: 10.1063/1.5115542.
7. Binbin Ni, **Zhengyang Zou**, Song Fu, Xing Cao, Xudong Gu, and Zheng Xiang (2018), Resonant Scattering of Radiation Belt Electrons by Off-Equatorial Magnetosonic Waves, ***Geophys. Res. Lett.***, 43, doi: 10.1002/2017GL075788. **(导师一作本人二作，SCI 1区顶级期刊)**
8. Binbin Ni, **Zhengyang Zou**, Xinlin Li, Jacob Bortnik, Lun Xie, and Xudong Gu (2016), Occurrence characteristics of outer zone relativistic electron butterfly distribution: A survey of Van Allen Probes REPT measurements, ***Geophys. Res. Lett.***, 43, doi:10.1002/2016GL069350. **(导师一作本人二作，SCI 1区顶级期刊)**
9. Binbin Ni, **Zhengyang Zou**, Xudong Gu, Chen Zhou, Richard M. Thorne, Jacob Bortnik, Run Shi, Zhengyu Zhao, Daniel N. Baker, Shrikhanth G. Kanekal, Harlan E. Spence, Geoffrey D. Reeves, Xinlin Li (2015), Variability of the pitch angle distribution of radiation belt ultrarelativistic electrons during and following intense geomagnetic storms: Van Allen Probes observations. ***J. Geophys. Res: Space Phys***, doi: 10.1002/2015JA021065. **(导师一作本人二作)**
10. Binbin Ni, Xing Cao, **Zhengyang Zou**, Chen Zhou, Xudong Gu, Jacob Bortnik, Jichun Zhang, Song Fu, Zhengyu Zhao, Run Shi, and Lun Xie (2015), ***J. Geophys. Res: Space Phys***, doi: 10.1002/2015JA021466
11. Xing Cao, Binbin Ni, Danny Summers, **Zhengyang Zou**, Song Fu, and Wenxun Zhang (2017), Bounce resonance scattering of radiation belt electrons by low-frequency hiss: comparison with cyclotron and landau resonances, ***Geophys. Res. Lett.***, doi: 10.1002/2017GL075104.
12. Wenxun Zhang, Song Fu, Xudong Gu, Binbin Ni, Zheng Xiang, Danny Summers, **Zhengyang Zou**, Xing Cao, Yuequn Lou, and Man Hua (2018), Electron scattering by plasmaspheric hiss in a nightside plume, ***Geophys. Res. Lett.***, doi: 10.1002/2018GL077212.
13. [Geng Wang](https://agupubs.onlinelibrary.wiley.com/action/doSearch?ContribAuthorRaw=Wang%2C+Geng), [ZhongLei Gao](https://agupubs.onlinelibrary.wiley.com/action/doSearch?ContribAuthorRaw=Gao%2C+ZhongLei), [MingYu Wu](https://agupubs.onlinelibrary.wiley.com/action/doSearch?ContribAuthorRaw=Wu%2C+MingYu), [GuoQiang Wang](https://agupubs.onlinelibrary.wiley.com/action/doSearch?ContribAuthorRaw=Wang%2C+GuoQiang), [SuDong Xiao](https://agupubs.onlinelibrary.wiley.com/action/doSearch?ContribAuthorRaw=Xiao%2C+SuDong), [YuanQiang Chen](https://agupubs.onlinelibrary.wiley.com/action/doSearch?ContribAuthorRaw=Chen%2C+YuanQiang), [**ZhengYang Zou**](https://agupubs.onlinelibrary.wiley.com/action/doSearch?ContribAuthorRaw=Zou%2C+ZhengYang), [TieLong Zhang](https://agupubs.onlinelibrary.wiley.com/action/doSearch?ContribAuthorRaw=Zhang%2C+TieLong) (2021), Trapping and Amplification of Unguided Mode EMIC Waves in the Radiation Belt, ***J. Geophys. Res: Space Phys***, doi: 10.1029/2021JA029322.
14. Geng Wang, Mingyu Wu, Guoqiang Wang, Sudong Xiao, Irina Zhelavskaya3, Yuri Shprits, Yuanqiang Chen, **Zhengyang Zou**, Zhonglei Gao, Wen Yi, and Tielong Zhang (2021), Reflection of low-frequency fast magnetosonic waves at the local two-ion cutoff frequency: observation in the plasmasphere, ***Ann. Geophys.***, 39, 613-625, doi: 10.5194/angeo-39-613-2021.
15. Yuequn Lou, Xudong Gu, Danny Summers, Binbin Ni, Kaijun Liu, Song Fu, Zheng Xiang, **Zhengyang Zou**, Xing Cao, Wenxun Zhang, He Huang, and Ying He (2018), Statistical distributions of dayside ECH waves observations by MMS, ***Geophys. Res. Lett.***, doi: 10.1002/2018GL0801252.
16. Yang Zhang, Binbin Ni, Zheng Xiang, Xianguo Zhang, Xiaoxin Zhang, Xudong Gu, Song Fu, Xing Cao, and **Zhengyang Zou** (2018), Inter-satellite calibration of Fengyun 3 medium energy electron fluxes with POES electron measurements, ***Adv Space Res.***, doi: 10.1016/j.asr.2018.02.017.
17. Yang Zhang, Run Shi, Binbin Ni, Xudong Gu, Xianguo Zhang, Pingbing Zuo, Song Fu, Zheng Xiang, Qi Wang, Xing Cao, and **Zhengyang Zou** (2016), Inferring electromagnetic ion cyclotron wave intensity from low altitude POES proton flux measurements: A detailed case study with conjugate Van Allen Probes observations, ***Adv Space Res.***, doi: 10.1016/j.asr.2016.12.035.
18. Zheng Xiang, Binbin Ni, Chen Zhou, **Zhengyang Zou**, Xudong Gu, Zhengyu Zhao, Xianguo Zhang, Xiaoxin Zhang, Shenyi Zhang, Xinlin Li, Pingbing Zuo, Harlan Spence, and Geoffrey Reeves (2016), Multi-satellite simultaneous observations of magnetopause and atmospheric losses of radiation belt electrons during an intense solar wind dynamic pressure pulse, ***Ann. Geophys.***, 34, 493-509, doi: 10.5194/angeo-34-493-2016.
19. 顾旭东,殷倩,倪彬彬,项正,曹兴,**邹正洋**,周晨,付松,石润,赵正予,谈家强,王豪,郑程耀,贺丰明 （2017） 基于Van Allen Probes EMFISIS波动仪器观测的内磁层下频带哨声合声波全球分布的统计分析. ***地球物理学报***, 60(4), doi: 10.6038/cjg20170401.
20. 顾旭东,殷倩,周若贤,易娟,倪彬彬,项正,曹兴,**邹正洋**,付松,周晨,石润,赵正予,贺丰明,谈家强,郑程耀,王豪 (2017), A statistical analysis of the global distribution of inner magnetospheric upper-band chorus waves based on Van Allen Probes EMFISIS observations. ***地球物理学报***, 60(4), doi: 10.6038/cjg20170402.
21. Zheng Xiang, Jiaqiang Tan, Binbin ni, Xudong gu, Xing Cao, **Zhengyang Zou**, Chen Zhou, Song Fu, Run Shi, Zhengyu Zhao, Fengming He, Chengyao Zheng, Qian Yin, Hao Wang (2017), A statistical analysis of the global distribution of plasmaspheric hiss based on Van Allen Probes wave observations, ***Acta Physica Sinica***, doi: 10.7498/aps.66.039401.