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Research interests:

Physics of solar eruptions; Radio astronomy; Solar radio instrument

Education:

2013.09- 2019.03, Ph. D. (Theoretical Physics – Space physics), Shandong Univ.

2007.09-2010.07, M. Sci. (Theoretical Physics – Space physics), Shandong Univ.

2003.09-2007.10, B. Sci. (Applied Physics), Shandong Univ., Weihai

Employment:

2010 –now, Laboratory Technician, School of Space Science and Physics, Shandong University (Weihai)

Teaching Experience:

Data Processing on Space Science (graduate)

Laboratory Courses on General Physics

Laboratory Courses on Space Science and Exploration

Experimental Plasma Physics

Publications:

1. F. Yan, Y. Liu, K. Xu, Z. Shang, Y. Su, G. Lu, Y. Chen, **Z. Wu (Corresponding Author)**, A broadband digital receiving system with large dynamic range for solar radio observation, RAA, 2020, 20, 9, 156
2. **Z. Wu**, Y. Chen, H. Ning, X. L. Kong & J. Lee, Gyrosynchrotron emission generated by nonthermal electrons with energy spectra of a broken power law, 2019, Astrophys. J., 871, 22
3. **Z. Wu**, Y. Chen, G. Huang, H. Nakajima, HQ. Song, V. Melnikov, W. Liu, G. Li, K. Chandrashekar, FR. Jiao, Microwave imaging of a hot flux rope structure during the

- pre-impulsive stage of an eruptive M7.7 solar flare, 2016, *Astrophys. J. Lett.*, 820, L29
4. **Z. Wu**, Y. Chen, G. Li, L. L. Zhao, R. W. Ebert, M. I. Desai, G. M. Mason, B. Lavraud, L. Zhao, Y. C.-M. Liu, F. Guo, C. L. Tang, E. Landi & J. Sauvaud, Observations of energetic particles between a pair of corotating interaction regions, 2014, *Astrophys. J.*, 781, 17
 5. Z. Huang, Q. Zhang, L. Xia, B. Li, **Z. Wu**, H. Fu., Heating at the Remote Footpoints as a Brake on Jet Flows along Loops in the Solar Atmosphere, *ApJ*, 2020, 897, 113
 6. Q. Zhang, Z. Huang, Y. Hou, D. Li, Z. Ning, **Z. Wu**, Spectroscopic observations of a flare-related blowout jet, *A & A*, 2020, in press
 7. H. Ning, Y. Chen, J. Lee, **Z. Wu**, Y. Su & K. L. Kong, Broken-up spectra of the loop-top hard X-ray source during a solar limb flare, *RAA*, 2019, 19, 12, 173
 8. B. Wang, Y. Chen, Q. Hu, C. W. Jiang, H. Q. Song, **Z. Wu** & H. Ning, A method of forced extrapolation of the global magnetic field in the solar corona, 2019, *Science China*, doi: 10.1007/s11431-018-9470-y
 9. H. Ning, Y. Chen, **Z. Wu**, Y. Su, H. Tian, G. Li, G. H. Du & H. Q. Song, Two-stage energy release process of a confined flare with double HXR peaks, 2018, *Astrophys. J.*, 854, 178
 10. Y. Chen, **Z. Wu**, W. Liu, R. A. Schwartz, D. Zhao, B. Wang & G. H. Du, Double-coronal X-ray and microwave sources associated with a magnetic breakout solar eruption, 2017, *Astrophys. J.*, 843, 8
 11. H. Y. Liu, Y. Chen, K. Cho, S. W. Feng, V. Vasanth, A. Koval, G. H. Du, **Z. Wu** & C. Y. Li, A solar stationary type IV radio burst and its radiation mechanism, 2018, *Solar Phys.*, 293, 58
 12. S. W. Feng, Y. Chen, C. Y. Li, B. Wang, **Z. Wu**, X. L. Kong, Q. F. Du, J. R. Zhang & G. Q. Zhao, Harmonics of solar radio spikes at metric wavelengths, 2018, *Solar Phys.*, 293, 39
 13. Y. Chen, G. H. Du, D. Zhao, **Z. Wu**, W. Liu, B. Wang, G. P. Ruan, S. W. Feng & H. Q. Song, Imaging a magnetic-breakout solar eruption, 2016, *Astrophys. J. Lett.*, 820, L37
 14. L. L. Zhao, G. Li, R. W. Ebert, M. A. Dayeh, M. I. Desai, G. M. Mason, **Z. Wu** & Y. Chen, Modeling transport of energetic particles in corotating interaction regions: a case study, 2016, *J. Geophys. Res.*, 121, 77
 15. Q. W. Song, H. Nakajima, G. L. Huang, B. L. Tan, Y. Huang & **Z. Wu**, Turnover frequency in solar microwave bursts with an extremely flat optically thin spectrum, 2016, *Solar Phys.*, 21, 3619
 16. G. L. Huang, J. P. Li, Q. W. Song, B. L. Tan, Y. Huang & **Z. Wu**, Attenuation of coronal magnetic fields in solar microwave bursts, 2015, *Astrophys. J.*, 806, 12