

## **EFW refereed publications 2023**

Constantinescu, O. D., K. H. Fornaçon, U. Motschmann, K. H. Glassmeier, I. Richter, I. and F. Plaschke, The Cluster Virtual Observatory for ULF waves. *Journal of Geophysical Research: Space Physics*, 128, e2022JA031254, doi: 10.1029/2022JA031254, 2023.

Hanzelka M., W. Li, Q. Ma, M. Qin, X.-C. Shen, L. Capannolo and L. Gan L, Full-wave modeling of EMIC wave packets: ducted propagation and reflected waves. *Front. Astron. Space Sci.* 10:1251563. doi: 10.3389/fspas.2023.1251563, 2023.

Hull, A. J., C. C. Chaston and P. A. Damiano, Multipoint cluster observations of kinetic Alfvén waves, electron energization, and O<sup>+</sup> ion outflow response in the mid-altitude cusp associated with solar wind pressure and/or IMF B<sub>Z</sub> variations. *Journal of Geophysical Research: Space Physics*, 128, e2023JA031982, doi: 10.1029/2023JA031982, 2023.

Hull, A. J., C. C. Chaston, P. A. Damiano, H. U. Frey and S. Wing, Multipoint observations of dispersive scale Alfvénic field-line resonances associated with substorm auroral beads. *Journal of Geophysical Research: Space Physics*, 128, e2021JA029823, doi: 10.1029/2021JA029823, 2023.

Hwang, K.-J., R. Nakamura, J. P. Eastwood, S. A. Fuselier, H. Hasegawa, T. Nakamura, B. Lavraud, K. Dokgo, D. L. Turner and P. H. Reiff, Cross-scale processes of magnetic reconnection. *Space Science Reviews*, 219:71, doi: 10.1007/s11214-023-01010-9, 2023.

Li, B., H. Yang, J. Sun, Z. Hu, J. Liu, X. Chen, Y. Wang, J. Ren, C. Yue, C. P. Escoubet, et al., Cluster Observation of Ion Outflow in Middle Altitude LLBL/Cusp from Different Origins. *Magnetochemistry*, 9, 39, doi: 10.3390/magnetochemistry9020039, 2023.

Li, K., Q. Yang, J. Cui, Z. Rong, L. Chai, Y. Wei, et al., The effects of the polar rain on the polar wind ion outflow from the nightside ionosphere. *Journal of Geophysical Research: Space Physics*, 128, e2023JA031496, doi: 10.1029/2023JA031496, 2023.

Maldonado C. A., P. A. Resendiz Lira, G. L. Delzanno, B. A. Larsen, D. B. Reisenfeld and V. Coffey V, A review of instrument techniques to measure magnetospheric cold electrons and ions. *Front. Astron. Space Sci.* 9:1005845. doi: 10.3389/fspas.2022.1005845, 2023.

Oka, M., J. Birn, J. Egedal, F. Guo, R. E. Ergun, D. L. Turner, Y. Khotyaintsev, K.-J. Hwang, I. J. Cohen and J. F. Drake, Particle acceleration by magnetic reconnection in geospace. *Space Science Reviews*, 291:75, doi: 10.1007/s11214-023-01011-8, 2023.

Parks, G. K., E. Lee, Z. Yang, Electric fields and currents in solar-terrestrial plasmas. *Reviews of Modern Plasma Physics*, 7:30, doi: 10.1007/s41614-023-00132-5, 2023.

Wang, R., S. Lu, S. Wang, X. Li and Q. Lu, Recent progress on magnetic reconnection by in situ measurements, *Reviews of Modern Physics*, 7:27, doi: 10.1007/s41614-023-00129-0, 2023.