

## EFW Refereed publications 2020

Borovsky, J.E., G.L. Delzanno, J.A. Valdivia, P.S. Moya, M. Stepanova, J. Birn, L.W. Blum, W. Lotko and M. Hesse, Outstanding questions in magnetospheric plasma physics: The pollenz view, *J. Atmos. Solar-Terr. Phys.*, 208, 105377, doi:10.1016/j.jastp.2020.105377, 2020.

Constantinescu, V. and O. Marghitu, Neural network based identification of energy conversion regions and bursty bulk flows in Cluster data, *Front. Astron. Space Sci.*, doi: 10.3389/fspas.2020.00051, 2020.

Dai, L., Wang, C., Cai, Z., Gonzalez, W., Hesse, M., Escoubet, P., Phan, T., Vasylunas, V., Lu, Q., Li, L., Kong, L., Dunlop, M., Nakamura, R., He, J., Fu, H., Zhou, M., Huang, S., Wang, R., **Khotyaintsev, Y., Graham, D.**, Retino, A., Zelenyi, L., Grigorenko, E.E., Runov, A., Angelopoulos, V., Kepko, L., Hwang, K.-J. and Zhang, Y., AME: A Cross-Scale Constellation of CubeSats to Explore Magnetic Reconnection in the Solar–Terrestrial Relation, *Frontiers in Physics*, 8, 89, doi:10.3389/fphy.2020.00089, 2020.

Fu, H., E.E. Grigorenko, C. Gabrielse, C. Liu, S. Lu, K.J. Hwang, X. Zhou, Z. Wang and F. Chen, Magnetotail dipolarization fronts and particle acceleration: a review, *Sci. China Earth Sci.*, 63, 235–256, doi:10.1007/s11430-019-9551-y, 2020.

Greco, A., Perrone D., Lavraud B. and Chasapis A., Editorial: Improving the Understanding of Kinetic Processes in Solar Wind and Magnetosphere: From CLUSTER to Magnetospheric Multiscale Mission, *Front. Astron. Space Sci.*, 7:549935; doi: 10.3389/fspas.2020.549935, 2020.

Hesse, M., and P.A. Cassak, Magnetic reconnection in the space sciences: Past, present, and future, *J. Geophys. Res. Space Phys.*, 125, e2018JA025935, doi:10.1029/2018JA025935, 2020.

Karlsson, T., L. Andersson, L., D.M. Gillies, K. Lynch, O. Marghitu, N. Partamies, N. Sivadas and J. Wu, Quiet, Discrete auroral arcs observations, *Space Sci. Rev.*, 216, 16, Discrete auroral arcs observations, doi:10.1007/s11214-020- 0641-7, 2020.

Lysak, R., Echim, M., Karlsson, T.O. Marghitu, R. Rankin, Y. Song, and T.-H. Watanabe, Quiet, Discrete Auroral Arcs: Acceleration Mechanisms, *Space Sci. Rev.*, 216, 92, doi:10.1007/s11214-020- 00715-5, 2020.

Pitout, F., Marchaudon, A., Trattner, K.J., Berchem, J., Laakso, H., and Escoubet, C.P., Simultaneous Polar and Cluster observations in the northern and southern middle-altitude polar cusps around equinox, *J. Geophys. Res. Space Phys.*, 125, e2020JA028346, doi:10.1029/2020JA028346, 2020.