

Publications 2003

Refereed papers, published

Amm, O., A. Aikio, J.-M. Bosqued, M. Dunlop, A. Fazakerley, P. Janhunen, K. Kauritsie, M. Lester, I. Sillanpää, M. G. G. Taylor, A. Vonrat-Rebeberac and **M. André**, Mesoscale structure of a morning sector ionospheric shear flow region determined by conjugate Cluster and MIRACLE ground-based observations, *Ann. Geophys.*, 1737-1751, 2003.

Bale S.D., F. S. Mozer and T. S. Horbury, Density-transition scale at quasi-perpendicular collisionless shocks, *Phys. Rev. Lett.*, 91(26), doi10.1103/PhysRevLett.91.265004, 2003.

Balikhin, M. A., O. A. Pokhotelov, S. N. Walker and **M. André**, Identification of low frequency waves in the vicinity of the terrestrial bow shock, *Planetary and Space Science*, 51, 693-702, 2003.

Balikhin, M. A., O. A. Pokhotelov, S. N. Walker, E. Amata, **M. André**, M. Dunlop and H. S. C. K. Alleyne, Minimum variance free wave identification: Application to Cluster electric field data in the magnetosheath, *Geophys. Res. Lett.*, 30(10), 1508, 2003.

Behlke, R., M. André, S. C. Buchert, A. Vaivads, A. I. Eriksson, E. Lucek, and A. Balogh, Multi-point electric field measurements of Short Large-Amplitude Magnetic Structures (SLAMS) at the Earth's quasi-parallel bow shock, *Geophys. Res. Lett.*, 30(4), 1177, doi: 10.1029/2002GL015871, 2003.

Cattell, C., C. Neiman, J. Dombeck, J. Crumley, J. Wygant, C. A. Kletzing, W. K. Peterson, F. S. Mozer and **M. André**, Large amplitude solitary waves in and near the Earth's magnetosphere, magnetopause and bow shock: Polar and Cluster observations, *Nonlinear Processes in Geophysics*, 10, 13-26, 2003.

Maksimovic, M., S. D. Bale, T. S. Horbury and **M. André**, Bow shock motions observed with Cluster, *Geophys. Res. Lett.*, 30(7), 1393, 2003.

Maynard, N. C., D. M. Ober, W. J. Burke, J. D. Scudder, M. Lester, M. Dunlop, J. A. Wild, A. Grocott, C. J. Farrugia, E. J. Lund, C. T. Russell, D. R. Weimer, K. D. Siebert, A. Balogh, **M. André** and H. Rème, Polar, Cluster and SuperDARN evidence for high-latitude merging during southward IMF: temporal/spatial evolution, *Ann. Geophysicae*, 21, 2233-2258, 2003.

Sergeev, V. A., Sauvaud, J.-A., H. Rème, A. Balogh, P. Daly, Q.-G. Zong, V. Angelopoulos, **M. André and A. Vaivads**, Sharp boundary between the inner magnetosphere and active outer plasma sheet, *Geophys. Res. Lett.*, 30, 1799, 10.1029/2003GL017095, 2003

Sergeev, V., A. Runov, W. Baumjohann, R. Nakamura, T. L. Zhang, M. Volwerk, A. Balogh, H. Rème, J. A. Sauvaud, **M. André** and B. Klecker, Current sheet flapping motion and structure observed by Cluster, *Geophys. Res. Lett.*, 30(6), 1327, 2003.

Stasiewicz, K., Shukla, P., K., **Gustafsson, G., Buchert, S.,** Lavraud, B., Thidé, B., and Klos, Z., Slow magnetosonic solitons detected by the Cluster spacecraft, *Phys. Rev. Lett.*, 90, 850, 2003.

Tjulin, A., A. I. Eriksson, and M. André, Lower hybrid cavities in the inner magnetosphere, *Geophys. Res. Lett.*, 30(7), 1364, doi: 10.1029/2003GL016915, 2003

Vaivads, A., M. André, S. Buchert, A. Eriksson, A. Olsson, J.-E. Wahlund,
P. Janhunnen, G. Marklund, L. M. Kistler, C. Mouikis, D. Winningham, A.
Fazakerley, P. Newell, What high altitude observations tell us about the auroral acceleration:
a Cluster/DMSP conjunction, *Geophys. Res. Lett.*, 30(3), 1106, doi:10.1029/2002GL016006,
2003.

Wahlund, J.-E., A. Yilmaz, M. Backrud, D. Sundkvist, A. Vaivads, D. Winningham, M. André, A. Balogh, J. Bonnell, S. Buchert, T. Carozzi, N. Cornilleau, M. Dunlop, A. I. Eriksson, A. Fazakerley, G. Gustafsson, M. Parrot, P. Robert, and A. Tjulin,
Observations of auroral broadband emissions by CLUSTER,
Geophys. Res. Lett., 30, 1563, doi: 10.1029/2002GL016335, 2003.