

■研究業績 (2015 年度)

○論文

- [1] S. Matsuda, Y. Kasahara, and C. A. Kletzing, Variation in crossover frequency of EMIC waves in plasmasphere estimated from ion cyclotron whistler waves observed by Van Allen Probe A, *Geophys. Res. Lett.*, doi:10.1002/2015GL066893, 43(1), 28–34, 2016.1.
- [2] K. Hashimoto, Y. Goto, Y. Kasahara, H. Matsumoto, and R. R. Anderson, Auroral Kilometric Radiation, : Polarization and Spectra Observed far from the Earth, American Geophysical Union Monograph (eds Y. Zhang and L. J. Paxton), John Wiley & Sons, Inc, Hoboken, NJ. doi:10.1002/9781118978719.ch17, 2015.11.
- [3] M. Ota, Y. Kasahara, and Y. Goto, A new method for direction finding based on Markov random field model, *Radio Science*, doi:10.1002/2014RS005635, 50(7), 598–613, 2015.7. (IF=1.44)
- [4] S. Matsuda, Y. Kasahara, and Y. Goto, M/Q = 2 Ion Distribution in the Inner Magnetosphere Estimated from Ion Cyclotron Whistler Waves Observed by the Akebono Satellite, *Journal of Geophysical Research*, doi:10.1002/2014JA020972, 120(4), 2783–2795, 2015.4. (IF=3.43)
- [5] Ozaki, M., S. Yagitani, K. Sawai, K. Shiokawa, Y. Miyoshi, R. Kataoka, A. Ieda, Y. Ebihara, M. Connors, I. Schofield, Y. Katoh, Y. Otsuka, N. Sunagawa and V.K. Jordanova, “A direct link between chorus emissions and pulsating aurora on timescales from milliseconds to minutes: A case study at subauroral latitudes,” *J. Geophys. Res. Space Physics*, 120, 9617-9631, doi:10.1002/2015JA021381, 2015.
- [6] Martinez, C., K. Shiokawa, Y. Miyoshi, M. Ozaki, I. Schofield, and M. Connors, “Statistical study of ELF/VLF emissions at subauroral latitudes in Athabasca, Canada,” *J. Geophys. Res. Space Physics*, 120, 8455-8469, doi:10.1002/2015JA021347, 2015.
- [7] Zushi, T., H. Kojima, K. Onishi, M. Ozaki, S. Yagitani, S. Shimizu, and H. Yamakawa, “Small sensor probe for measuring plasma waves in space,” *Earth, Planets Space*, 67:127, doi 10.1186/s40623-015-0298-8, 2015.
- [8] T. Sawano, D. Yonetoku, T. Mihara et al., *Space Takumi Journal*, in press (2015)
- [9] Y. Kagawa, D. Yonetoku, T. Sawano et al., *ApJ*, 811, 4 (2015)
- [10] R. Imatani, H. Tomida, S. Nakahira et al., *PASJ*, 237 (2015)
- [11] Hishi et al., *J. Low Temp. Phys.* in press (DOI 10.1007/s10909-016-1581-1)

○招待講演

- [1] 笠原 禎也、特別講演「ソフトウェア電磁波受信機による宇宙プラズマ環境の計測」、電

気学会計測研究会、金沢市文化ホール、2015年6月26日

- [2] Y. Yonetoku, New Era of Cosmic Distance Scale (2015/06/29--07/03, 東京大学)
 - [3] 米徳大輔, GRB 研究会 (2015/08/31--09/02, 理研)
 - [4] 米徳大輔, 初代星・初代銀河研究会 (2015/11/30--12/02, 草津セミナーハウス)
 - [5] 米徳大輔, HSC 時間領域天文学 (2016/03/04--05, 国立天文台)
- HSC = すばる望遠鏡の Hyper Suprime Cam の略称

○受賞

- [1] 尾崎光紀, Nagoya Section Young Research Award, IEEE, 5 December, 2015. (受賞理由) 2012~2015年のIEEEでの優れた研究実績
- [2] 尾崎光紀, パワーアカデミー萌芽研究優秀賞、2016年3月16日 (受賞理由) 電気工学分野への発展に貢献が期待される