

## 出版論文リスト(2010年度) [宇宙プラズマ研究チーム]

- Fuminori Tsuchiya, Masato Kagitani, Naoki Terada, Yasumasa Kasaba, Ichiro Yoshikawa, GO Murakami, Kouichi Sakai, Tatsuro Homma, Kazuo Yoshioka, Atsushi Yamazaki, Kazunori uemizu, Tomoki Kimura, Munetaka ueno : Plan for Observing Magnetospheres of Outer Planets by using the EUV Spectrograph Onboard the SPRINT-A/EXCEED Mission : Advances in Geosciences : vol. 25, pp.57-72 : (2010)
- I.A.Sauvaud, A.Fedorov, C.Aoustin, H.C.Seran, E.LeComte, M.Petiot, J.Rouzaud, Y.Saito, J. Dandouras, C.Jacquey, P.Louam, C.Mazene, J. L.Medale : The Mercury Electron Analyzers for the Bepi COlombo Mission : Advances in Space Research : vol. 46 (9), pp.1139-1148 : (2010)
- M.J.Kalaei, Y.Katoh, A.Kumamoto, T.Ono, Y. Nishimura : Simulation of Mode Conversion Process from upper-hybrid Waves to LO-mode Waves in the vicinity of the Plasmopause : Annales Geophysicae : vol. 28 (6), pp.1289-1297 : (2010)
- Yugo Kitanoya, Takumi Abe, Andrew W. Yau, Tomoaki Hori, Nozomu Nishitani : Localized Electron Density Enhancements in the High-altitude POLar Ionosphere and Their Relationships with Storm-enhanced Density (SED) Plumes all d Polar Tongues of Ionization (TOI) :Annales Geophysicae : vol. 29 (2), pp.367-375 : (2011)
- M.Oka, T.-D.Phan, S.Krucker, M.Fujimoto, I. Shinohara : Electron Acceleration by Multi-Island Coalescence : Astrophysical Journal : vol. 714 (1), pp.915-926 : (2010)
- M.Kato, M.Fujimoto, S.Ida : Dust Concentration at the Boundary Between Steady Super/Sub-Keplerian Flow Created by Inhomogeneous Growth of Magneto-rotational Instability : Astrophysical Journal : vol. 714 (2), pp.1155-1169 : (2010)
- Seiji Kawamura, Masaki Ando, Naoki Seto, Shuichi Sato, Takashi Nakamura, Kimio Tsubono, Nobuyuki Kanda, Takahiro Tanaka, Junichi Yokoyama, Ikko Funaki, Kenji Numata, Kunihito Ioka, Takeshi Takashima, Kazuhiro Agatsuma, Tomotada Akutsu, Koh-suke Aoyanagi, Koji Arai, Akito Araya, Hideki Asada, Yoichi Aso, Dan Chen, Takeshi Chiba, Toshikazu Ebisuzaki, Yumiko Ejiri, Motohiro Enoki, Yoshiharu Eriguchi, Masa-Katsu Fujimoto, Ryuichi Fujita, Mitsuhiro Fukushima, Toshifumi Futamase, Tomohiro Harada, Tatsuaki Hashimoto, Kazuhiro Hayama, Wataru Hikida, Yoshiaki Himemoto, Hisashi Hirabayashi, Takashi Hiramatsu, Feng-Lei Hong, Hideyuki Horisawa, Mizuhiko Hosokawa, Kiyotomo Ichiki, Takeshi Ikegami, Kaiki T Inoue, Koji Ishidoshiro, Hideki Ishihara, Takehiko Ishikawa, Hideharu Ishizaki, Hiroyuki Ito, Yousuke Itoh, Kiwamu Izumi, Isao Kojima, Keiko Kokeyama, Wataru Kokuyama, Kei Kotake, Yoshihide Kozai, Hiroo Kunimori, Hitoshi Kuninaka, Kazuaki Kuroda, Sachiko Kuroyanagi, Kei-ichi Maeda, Hideo Matsuhara, Nobuyuki Matsumoto, Yuta Michimura, Osamu Miyakawa, Umpei Miyamoto, Shinji Miyoki, Mutsuko Y Morimoto, Toshiyuki Morisawa, Shigenori Moriwaki, Shinji Mukohyama, Mitsuru Musha, Shigeo Nagano, Isao Naito, Kouji Nakamura, Hiroyuki Nakano, Kenichi Nakao, Shinichi Nakasuka, Yoshinori Nakayama, Kazuhiro Nakazawa, Erina Nishida, Kazutaka Nishiyama, Atsushi Nishizawa, Yoshito Niwa, Taiga Noumi, Yoshiyuki Obuchi, Masatake Ohashi, Naoko Ohishi, Masashi Ohkawa, Kenshi Okada, Norio Okada, Kenichi Oohara, Norichika Sago, Motoyuki Saijo, Ryo Saito, Masaaki Sakagami, Shin-ichiro Sakai, Shihori Sakata, Misao Sasaki, Takashi Sato, Masaru Shibata, Hisaaki Shinkai, Ayaka Shoda, Kentaro Somiya, Hajime Sotani, Naoshi Sugiyama, Yudai Suwa, Rieko Suzuki, Hideyuki Tagoshi, Fuminobu Takahashi, Kakeru Takahashi, Keitaro Takahashi, Ryutaro Takahashi, Ryuichi Takahashi, Tadayuki Takahashi, Hirota Takahashi, Takamori Akiteru, Tadashi Takano, Nobuyuki Tanaka, Keisuke

- Taniguchi, Atsushi Taruya, Hiroyuki Tashiro, Yasuo Torii, Morio Toyoshima, Shinji Tsujikawa, Yoshiki Tsunesada, Akitoshi ueda, Ken-ichi ueda, Long Current Sheet : Two-fluid Simulations : Geophysical Research Letters : vol. 37, L02103 : (2010)
- Mitsuru Hikishima, Yoshiharu Omura, Danny Summers : Microburst Precipitation of Energetic Electrons Associated with Chorus Wave Generation : Geophysical Research Letters : vol. 37, L07103 : (2010)
- J.S.Pickett B. Grison, Y.Omura, M.J.Engebretson, I. Dandouras, A.Masson, M.L.Adrian, O.Santolik, P.M.E.Decreau, N.Cornilleau-Wehrin, D. Constantinescu : Cluster Observations of EMIC Triggered Emissions in Association with Pc1 Waves Near Earth's Plasmapause : Geophysical Research Letters : vol. 37, L09104 : (2010)
- M.N.Nishino, M.Fujimoto, Y.Saito, S.Yokota, Y. Kasahara, Y.Omura, Y.Goto, K.Hashimoto, A.Kumamoto, T.Ono, H.Tsunakawa, M. Matsushima, F.Takahashi, H.Shibuya, H.Shimizu, T.Terasawa : Effect of the Solar Wind Proton Entry into the Deepest Lunar Wake : Geophysical Research Letters : vol. 37, L12106 : (2010)
- H.Hasegawa, J.Wang, M.W.Dunlop, Z.Y.Pu, Q.-H.Zhang, B.Lavraud, M.G.G.T.Taylor, O.D. Constantinescu, J.Berchem, V.Angelopoulos, J.P. MCFadden, H.U.Frey, M.volwerk, E.V.Panov, Y.V.Bogdanova : Evidence for a Flux Transfer Event Generated by Multiple x-line Reconnection at the Magnetopause : Geophysical Research Letters : vol. 37, L16101 : (2010)
- Yuki Harada, Shinobu Machida, Yoshifumi Saito, Shoichiro Yokota, Kazushi Asamura, Masaki N. Nishino, Takaaki Tanaka, Hideo Tsunakawa, Hidetoshi Shibuya, Futoshi Takahashi, Masaki Matsushima, Hisayoshi Shimizu : Interaction Between Terrestrial Plasma Sheet Electrons and the Lunar Surface : SELENE (KAGUYA) Observations : Geophysical Research Letters : vol. 37, L19202 : (2010)
- K.Hashimoto, M.Hashitani, Y.Kasahara, Y.Omura, M.N.Nishino, Y.Saito, S.Yokota, T.Ono, H. Tsunakawa, H.Shiguya, M.Matsushima, H. Shimizu, F.Takahashi : Electrostatic SOLitary Waves Associated with Magnetic Anomalies and Wake Boundary of the Moon Observed by KAGUYA : Geophysical Research Letters : vol. 37, L19204 : (2010)
- Y.Sato, T.Ono, N.Sato, R.Fujii : MF/HF Auroral Radio Emissions Emanating from the Topside Ionosphere : Geophysical Research Letters : vol. 37, L14102 : (2010)
- Satoshi Kasahara, Takeshi Takashima, Kazushi Asamura, Takefumi Mitani : Development of an APD With Large Area and Thick Depletion Layer for Energetic Electron Measurements in Space : IEEE Transactions on Nuclear Science: vol. 57 (3), pp.1549-1555 : (2010)
- Kentaro G. Tanaka, Masaki Fujimoto, Iku Shinohara : Physics of Magnetopause Reconnection : A Study of the Combined Effects of Density Asymmetry, velocity Shear, and Guide Field : International Journal of Geophysics : vol. 2010, 202583 : (2010)
- N.Kitamura, Y.Nishimura, T.Ono, Y.Ebihara, N. Terada, A.Shinbori, A.Kumamoto, T.Abe, M. Yamada, S.Watanabe, A.Matsuoka, A.W.Yau : Observations of very-low-energy (<10 eV) Ion Outflows Dominated by O<sup>+</sup> Ions in the Region of Enhanced Electron Density in the Polar Cap Magnetosphere during Geomagnetic Storms : Journal of Geophysical Research. A : Space Physics : vol. 115, A00J06 : (2010)
- Y.Miyashita, K.Keika, K.Liou, S.Machida, Y.Kamide, Y.Miyoshi, Y.Matsumoto, I.Shinohara, Y.Saito, T. Mukai : Plasma Sheet Changes Caused by Sudden Enhancements of the Solar Wind Pressure : Journal of Geophysical Research. A : Space Physics : vol. 115, A05214 : (2010)
- Yoshiharu Omura, Jolene Pickett, Benjamin Grison, Ondrej Santolik, Iannis Dandouras, Mark Engebretson, Pierrette M.E.D6cr6au, Arnaud Masson : Theory and Observation of Electromagnetic Ion Cyclotron Triggered Emissions in the Magnetosphere : Journal of Geophysical Research. A : Space Physics : vol. 115, A07234 : (2010)

- M.Oka, M.Fujimoto, I.Shinohara, T.D.Phan : "Island Surfing" Mechanism of Electron Acceleration during Magnetic Reconnection : Journal of Geophysical Research. A : Space Physics : vol. 115, A08223 : (2010)
- I.Whittaker, G.Guymer, M.Grande, B.Pinter, S. Barabash, A.Federov, C.MazeUe, J.-A.Sauvaud, R.Lundin, C.RusseU, Y.Futaana, M.Franz, T. Zhang, H.Andersson, A.Grigoriev, M.Holmstrom, M.Yamauchi, K.Asamura, W.Baumjohann, H. Lammer, A.Coates, D.Kataria, D.R.Linder, C. Curtis, K.Hsieh, H.Koskinen, E.KaIIIo, P.Riihela, W.Schmidt, J.Kozyra, S.MCKenna-Lawlor, J. Thocaven, S.Orsini, R.Cerum-Irelli, A.Mura, A. MilIIIo, M.Maggi, E.Roelof, P.Brandt, R.Frahm,
- J.Sharber, P.Wurz, P.Bochsler : venusian Bow Shock as Seen by the ASPERA-4 Ion Instrument on venus Express : Journal of Geophysical Research. A : Space Physics : vol. 115, A09224 : (2010)
- T.Nakagawa, A.Matsuoka : Fitting a Toroidal Force — free Field to Multispacecraft Observations of a Magnetic Cloud : Journal of Geophysical Research. A : Space Physics : vol. 115, A10113 : (2010)
- Y.Futaana, S.Barabash, M.Wieser, M.Holmstrom, A. Bhardwaj, M.B.Dhanya, R.Sridharan, P.Wurz, A. Schaufelberger, K.Asamura : Protons in the Near-Lunar Wake Observed by the Sub-keV Atom Reflection Analyzer on Board Chandrayaan-1 : Journal of Geophysical Research. A : Space Physics : vol. 115, A10248 : (2010)
- Bengt U. O.Sonnerup, Hiroshi Hasegawa : On Slowly Evolving Grad-Shafranov Equilibria : Journal of Geophysical Research. A : Space Physics : vol. 115, A11218 : (2010)
- H.Hasegawa, B.U.O.Sonnerup, T.K.M.Nakamura : Recovery of Time Evolution of Grad-Shafranov Equilibria from Single-spacecraft Data : Benchmarking and Application to a Flux Transfer Event : Journal of Geophysical Research. A : Space Physics : vol. 115, A11219 : (2010)
- Y.Miyashita, S.Machida, A.Jeda, D.Nagata, Y. Kamide, M.Nose, K.Liou, T.Mukai, S.P.Christon, C.T.Russell, I.Shinohara, Y.Saito : Pressure Changes Associated with Substorm Depolarization in the Near-Earth Plasma Sheet : Journal of Geophysical Research. A : Space Physics : vol. 115, A12239 : (2010)
- Mitsuru Hikishima, Yoshiharu Omura, Danny Summers : Self-consistent Particle Simulation of Whistler Mode Triggered Emissions : Journal of Geophysical Research. A : Space Physics : vol. 115, A12246 : (2010)
- Junichi Kurihara, Yoshiko Koizumi — Kurihara, Naomoto Iwagami, Tomonori Suzuki, Atsushi Kumamoto, Takayuki Ono, Maho Nakamura, Mamoru Ishii, Ayako Matsuoka, Keigo Ishisaka, Takumi Abe, Satonori Nozawa : Horizontal Structure of Sporadic E layer Observed with a Rocket — Borne Magnesium Ion Imager : Journal of Geophysical Research. A : Space Physics : vol. 115, A12318 : (2010)
- D.A.Lorentzen, J.Moen, K.Oksavik, F.Sigernes, Y. Saito, M.G.Johnsen : In Situ Measurement of a newly Created Polar Cap Patch : Journal of Geophysical Research. A : Space Physics : vol. 115, A12323 : (2010)
- T.K.M.Nakamura, H.Hasegawa, I.Shinohara, M. Fujimoto : Evolution of an MHD-scale Kelvin-Helmholtz vortex Accompanied by Magnetic Reconnection : Two-dimensional Particle Simulations : Journal of Geophysical Research. A : Space Physics : vol. 116, A03227 : (2011)
- Y.V.Khotyaintsev, A.vaivads, M.Andre, M. Fujimoto, A.Retin6, C.J.Owen : Observations of Slow Electron HOles at a Magnetic Reconnection Site : Physical Review Letters : vol. 105 (16), pp.165002-1-165002-4 : (2010)
- Kentaro G. Tanaka, Tsubasa Yumura, Masaki Fujimoto, Iku Shinohara, Sarah v. Badman, Adrian Grocott : Merging of Magnetic Islands as an Efficient Accelerator of Electrons : Physics of Plasmas : vol. 17 (10), 102902 : (2010)

- T.K.M.Nakamura, H.Hasegawa, I.Shinohara :  
Kinetic Effects on the Kelvin-Helmholtz Instability  
in Ion-to-magnetohydrodynamic Scale Transverse  
velocity Shear Layers : Particle Simulations :  
Physics of Plasmas : vol. 17 (4), 042119 : (2010)
- Masaki N. Nishino, Xiao-Dong Wang, Masaki  
Fujimoto, Hideo Tsunakawa, Yoshifumi Saito,  
Shoichiro Yokota, Wei Bian, Chun-Lai Li, Masaki  
Matsushima, Hidetoshi Shibuya, Hisayoshi Shimizu,  
Futoshi Takahashi, Toshio Terasawa : Anomalous  
Deformation of the Earth's Bow Shock in the  
Lunar Wake : Joint Measurement by Chang'E-1  
and SELENE : Planetary and Space Science : vol.  
59 (5-6), pp.378-386 : (2011)
- A.Milillo, M.Fujimoto, E.Kallio, S.Kameda, F.Leblanc,  
Y.Narita, G.Cremonese, H.Laakso, M.Laurenza,  
S.Masseti, S.MCKenna-Lawlor, A.Mura, R.  
Nakamura, Y.Omura, D.A.Rothery, K.Seki, M.  
Storini, P.Wurz, W.Baumjohann, E.J.Bunce, Y.  
  
Environment WG members : The BepiColombo  
Mission : An Outstanding Tool for Investigating  
the Hermean Environment : Planetary and Space  
Science : vol. 58 (1-2), pp.40-60 : (2010)
- Masaki N. Nishino, Hiroshi Hasegawa, Masaki  
Fujimoto, Yoshifumi Saito, Toshifumi Mukai, Iannis  
Dandouras, Henri Rame, Alessandro Retin6, Rumi  
Nakamura, Elizabeth Lucek, Steven J. Schwartz :  
A Case Study of Kelvin-Helmholtz vortices on  
both Flanks of the Earth's Magnetotail : Planetary  
and Space Science: vol. 59 (7), pp.502-509: (2011)
- K.G.Tanaka, M.Fujimoto, I.Shinohara : On the  
Peak Level of Tearing Instability in an Ion-scale  
Current Sheet : The Effects of Ion Temperature  
Anisotropy : Planetary and Space Science : vol.  
59 (7), pp.510-516 : (2011)
- Y.Kasaba, J.-L.Bougeret, L.G.Blomberg, H.Kojima,  
S.Yagitani, M.Moncuquet, J.-G.Troignon,  
G.Chanteur, A.Kumamoto, Y.Kasahara,  
J.Lichtenberger, Y.Omura, K.Ishisaka, H.  
Matsumoto : The Plasma Wave Investigation  
(PWI) onboard the BepiColombo/MMO : First  
Measurement of Electric Fields, Electromagnetic  
Waves, and Radio Waves around Mercury :  
Planetary and Space Science : vol. 58 (1-2), 238-  
278 : (2010)
- Ayako Matsuoka, C.T.Russell : Foreword : Space  
Science Reviews : vol. 154 (14), pp.1-2 : (2010)
- T.Ono, A.Kumamoto, Y.Kasahara, Y.Yamaguchi, A.  
Yamaji, T.Kobayashi, S.Oshigami, H.Nakagawa,  
Y.Goto, K.Hashimoto, Y.Omura, T.Imachi, H.  
Matsumoto, H.Oya : The Lunar Radar Sounder  
(LRS) Onboard the KAGUYA (SELENE)  
Spacecraft: Space Science Reviews: vol. 154 (1-4),  
pp.145-192 : (2010)
- Hideo Tsunakawa, Hidetoshi Shibuya, Futoshi  
Takahashi, Hisayoshi Shimizu, Masaki Matsushima,  
Ayako Matsuoka, Satoru Nakazawa, Hisashi Otake,  
Yuichi Iijima : Lunar Magnetic Field Observation  
and Initial Global Mapping of Lunar Magnetic  
Anomalies by MAP-LMAG Onboard SELENE  
(Kaguya) : Space Science Reviews: vol. 154 (1-4),  
pp.219-251 : (2010)
- Masaki Matsushima, Hideo Tsunakawa, Yu-ichi  
Iijima, Satoru Nakazawa, Ayako Matsuoka,  
Shingo Ikegami, Tomoaki Ishikawa, Hidetoshi  
Shibuya, Hisayoshi Shimizu, Futoshi Takahashi :  
Magnetic Cleanliness Program under Control of  
Electromagnetic Compatibility for the SELENE  
(Kaguya) Spacecraft : Space Science Reviews :  
vol.154 (14), pp.253-264 : (2010)
- Yoshifumi Saito, Shoichiro Yokota, Kazushi Asamura,  
Takaaki Tanaka, Masaki N. Nishino, Tadateru  
Yamamoto, Yuta Terakawa, Masaki Fujimoto,  
Hiroshi Hasegawa, Hajime Hayakawa, Masafumi  
Hirahara, Masahiro Hoshino, Shinobu Machida,  
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Nakamura, Koh-ichiro Oyama, Eiichi Sagawa,  
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Toshio Terasawa, Hideo Tsunakawa, Hidetoshi  
Shibuya, Masaki Matsushima, Hisayoshi Shimizu,  
  
Futoshi Takahashi : In-flight Performance and  
Initial Results of Plasma Energy Angle and  
Composition Experiment (PACE) on SELENE  
(Kaguya) : Space Science Reviews: vol. 154 (1-4),  
pp.265-303 : (2010)

山田 学, 小郷原一智, 神山 徹, はしもとじょーじ,  
高木征弘, 山崎 敦, 山本幸生, 今村 剛:  
一番星へ行こう 1 日本の金星探査機の挑戦その  
11～科学データ地上処理系～: 日本惑星科学会誌  
「遊・星・人」:vol.19 (2), pp.157-160: (2010)

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らの雷放電と高高度発光現象の観測: 電気学会論  
文誌A基礎・材料・共通部門誌) :vol.131 (1),  
pp.16-20: (2011)