

Number	Full reference	Acknowledge to PWING	Authors	Title	Journal	Vol.	Doi	Year
1	Zou, Y., Y. Nishimura; J. K. Burchill, D. J. Knudsen, L. R. Lyons, K. Shiokawa, S. Buchert, S. Chen, M. J. Nicolls, J. M. Ruohoniemi; K. A. McWilliams, and N. Nishitani, Localized Field-aligned Currents in the Polar Cap Associated with Airglow Patches, <i>J. Geophys. Res.</i> , 121, doi: 10.1002/2016JA022665, 2016.	yes	Zou, Y., Y. Nishimura; J. K. Burchill, D. J. Knudsen, L. R. Lyons, K. Shiokawa, S. Buchert, S. Chen, M. J. Nicolls, J. M. Ruohoniemi; K. A. McWilliams, and N. Nishitani	Localized Field-aligned Currents in the Polar Cap Associated with Airglow Patches	<i>J. Geophys. Res.</i>	121	10.1002/2016JA022665	2016
2	Tsurutani, B. T., R. Hajra, T. Tanimori, A. Takada, B. Remya, A. J. Mannucci, G. S. Lakhina, J. U. Kozyra, K. Shiokawa, L. C. Lee, E. Echer, R. V. Reddy, and W. D. Gonzalez, Heliospheric Plasma Sheet (HPS) Impingement onto the Magnetosphere as a Cause of Relativistic Electron Dropouts (REDs) via Coherent EMIC Wave Scattering with Possible Consequences for Climate Change Mechanisms, <i>J. Geophys. Res.</i> , 121, doi: 10.1002/2016JA022499, 2016.	yes	Tsurutani, B. T., R. Hajra, T. Tanimori, A. Takada, B. Remya, A. J. Mannucci, G. S. Lakhina, J. U. Kozyra, K. Shiokawa, L. C. Lee, E. Echer, R. V. Reddy, and W. D. Gonzalez	Heliospheric Plasma Sheet (HPS) Impingement onto the Magnetosphere as a Cause of Relativistic Electron Dropouts (REDs) via Coherent EMIC Wave Scattering with Possible Consequences for Climate Change Mechanisms	<i>J. Geophys. Res.</i>	121	10.1002/2016JA022499	2016
3	Tsuda, T., M. Yamamoto, H. Hashiguchi, K. Shiokawa, Y. Ogawa, S. Nozawa, H. Miyaoka, and A. Yoshikawa, A proposal on the study of solar-terrestrial coupling processes with atmospheric radars and ground-based observation network, <i>Radio Sci.</i> , 51, doi: 10.1002/2016RS006035, 2016.	yes	Tsuda, T., M. Yamamoto, H. Hashiguchi, K. Shiokawa, Y. Ogawa, S. Nozawa, H. Miyaoka, and A. Yoshikawa	A proposal on the study of solar-terrestrial coupling processes with atmospheric radars and ground-based observation network	<i>Radio Sci.</i>	51	10.1002/2016RS006035	2016
4	Rout D.D. Chakrabarty, R. Sekar, G. D. Reeves, J. M. Ruohoniemi, Tarun K. Pant B. Veenadhari, and K. Shiokawa, An evidence for prompt electric field disturbance driven by changes in the solar wind density under northward IMF Bz condition, <i>J. Geophys. Res.</i> , 121, doi: 10.1002/2016JA022475, 2016.	yes	Rout D.D. Chakrabarty, R. Sekar, G. D. Reeves, J. M. Ruohoniemi, Tarun K. Pant B. Veenadhari, and K. Shiokawa	An evidence for prompt electric field disturbance driven by changes in the solar wind density under northward IMF Bz condition	<i>J. Geophys. Res.</i>	121	10.1002/2016JA022475	2016
5	Ozaki, M., K. Shiokawa, Y. Miyoshi, R. Kataoka, S. Yagitani, T. Inoue, Y. Ebihara, C.-W. Jun, R. Nomura, K. Sakaguchi, Y. Otsuka, M. Shoji, I. Schofield, M. Connors, and V. K. Jordanova, Fast modulations of pulsating proton aurora related to subpacket structures of Pc1 geomagnetic pulsations at subauroral latitudes, <i>Geophys. Res. Lett.</i> , 43, doi:10.1002/2016GL070008, 2016.	yes	Ozaki, M., K. Shiokawa, Y. Miyoshi, R. Kataoka, S. Yagitani, T. Inoue, Y. Ebihara, C.-W. Jun, R. Nomura, K. Sakaguchi, Y. Otsuka, M. Shoji, I. Schofield, M. Connors, and V. K. Jordanova	Fast modulations of pulsating proton aurora related to subpacket structures of Pc1 geomagnetic pulsations at subauroral latitudes	<i>Geophys. Res. Lett.</i>	43	10.1002/2016GL070008	2016
6	Martinez-Calderon, C., K. Shiokawa, Y. Miyoshi, K. Keika, M. Ozaki, I. Schofield, M. Connors, C. Kletzing, M. Hanzelka, O. Santolik, and W. Kurth, ELF/VLF propagation at subauroral latitudes: Conjugate observation between the ground and Van Allen Probes A, <i>J. Geophys. Res.</i> , 121, doi: 10.1002/2015JA022264, 2016.	yes	Martinez-Calderon, C., K. Shiokawa, Y. Miyoshi, K. Keika, M. Ozaki, I. Schofield, M. Connors, C. Kletzing, M. Hanzelka, O. Santolik, and W. Kurth	ELF/VLF propagation at subauroral latitudes: Conjugate observation between the ground and Van Allen Probes A	<i>J. Geophys. Res.</i>	121	10.1002/2015JA022264	2016
7	Kim, K.-H., Y. Omura, J.-S. Park, K. Shiokawa, D.-H. Lee, H. Jin, E. Lee, and H.-J. Kwon, Spectral characteristics of steady quiet-time EMIC waves observed at geosynchronous orbit, <i>J. Geophys. Res.</i> , 121, doi: 10.1002/2016JA022957, 2016.	yes	Kim, K.-H., Y. Omura, J.-S. Park, K. Shiokawa, D.-H. Lee, H. Jin, E. Lee, and H.-J. Kwon	Spectral characteristics of steady quiet-time EMIC waves observed at geosynchronous orbit	<i>J. Geophys. Res.</i>	121	10.1002/2016JA022957	2016
8	Fukuda, Y., R. Kataoka, H. A. Uchida, Y. Miyoshi, D. Hampton, K. Shiokawa, Y. Ebihara, D. Whiter, N. Iwagami, and K. Seki, First evidence of patchy flickering aurora modulated by multi-ion electromagnetic ion cyclotron waves, <i>Geophys. Res. Lett.</i> , 44, doi: 10.1002/2017GL072956, 2017.	yes	Fukuda, Y., R. Kataoka, H. A. Uchida, Y. Miyoshi, D. Hampton, K. Shiokawa, Y. Ebihara, D. Whiter, N. Iwagami, and K. Seki	First evidence of patchy flickering aurora modulated by multi-ion electromagnetic ion cyclotron waves	<i>Geophys. Res. Lett.</i>	44	10.1002/2017GL072956	2017
9	Zou, Y., Y. Nishimura, L. R. Lyons, and K. Shiokawa, Localized Polar Cap Precipitation in Association with Non-storm Time Airglow Patches, <i>Geophys. Res. Lett.</i> , 44, doi: 10.1002/2016GL071168, 2017.	yes	Zou, Y., Y. Nishimura, L. R. Lyons, and K. Shiokawa	Localized Polar Cap Precipitation in Association with Non-storm Time Airglow Patches	<i>Geophys. Res. Lett.</i>	44	10.1002/2016GL071168	2017
10	Nakamura, Y., K. *Shiokawa, Y. Otsuka, S.-I. Oyama, S. Nozawa, T. Komolmis, S. Komonjida, D. Neudegg, C. Yuile, J. Meriwether, H. Shinagawa, and H. Jin, Measurement of thermospheric temperatures using OMTI Fabry-Perot interferometers with 70mm etalon, <i>Earth, Planets and Space</i> , 69, doi: 10.1186/s40623-017-0643-1, 2017.	yes	Nakamura, Y., K. *Shiokawa, Y. Otsuka, S.-I. Oyama, S. Nozawa, T. Komolmis, S. Komonjida, D. Neudegg, C. Yuile, J. Meriwether, H. Shinagawa, and H. Jin	Measurement of thermospheric temperatures using OMTI Fabry-Perot interferometers with 70mm etalon	<i>Earth Planets Space</i>	69	10.1186/s40623-017-0643-1	2017
11	Figueiredo, C.A., C. Wrasse, H. Takahashi, Y. Otsuka, K. Shiokawa, and D. Silva, Large-scale traveling ionospheric disturbances observed by GPS DTEC maps over north and south America on Saint Patrick's day storm in 2015, <i>J. Geophys. Res.</i> , 122, doi: 10.1002/2016JA023417, 2017.	yes	Figueiredo, C.A., C. Wrasse, H. Takahashi, Y. Otsuka, K. Shiokawa, and D. Silva	Large-scale traveling ionospheric disturbances observed by GPS DTEC maps over north and south America on Saint Patrick's day storm in 2015	<i>J. Geophys. Res.</i>	122	10.1002/2016JA023417	2017
12	Balan, N., S. S. Tulasiram, Y. Kamide, I. S. Batista, K. Shiokawa, P. K. Rajesh, and N. J. Victor, Automatic selection of Dst storms and their seasonal variations in two versions of Dst in 50 years, <i>Earth Planets Space</i> , 69, doi: 10.1186/s40623-017-0642-2, 2017.	yes	Balan, N., S. S. Tulasiram, Y. Kamide, I. S. Batista, K. Shiokawa, P. K. Rajesh, and N. J. Victor	Automatic selection of Dst storms and their seasonal variations in two versions of Dst in 50 years	<i>Earth Planets and Space</i>	69	10.1186/s40623-017-0642-2	2017
13	Miyoshi, Y., Y. Kasaba, I. Shinohara, T. Takashima, K. Asamura, H. Matsumoto, N. Higashio, T. Mitani, S. Kasahara, S. Yokota, S. Wang, Y. Kazama, Y. Kasahara, S. Yagitani, A. Matsuoka, H. Kojima, Y. Katoh, K. Shiokawa, K. Seki, M. Fujimoto, T. Ono, and ERG project group, Geospace exploration project: Arase (ERG), <i>IOP Conf. Series: J. Phys.: Conf. Series</i> , 869, doi:10.1088/1742-6596/869/1/012095, 2017.	no	Miyoshi, Y., Y. Kasaba, I. Shinohara, T. Takashima, K. Asamura, H. Matsumoto, N. Higashio, T. Mitani, S. Kasahara, S. Yokota, S. Wang, Y. Kazama, Y. Kasahara, S. Yagitani, A. Matsuoka, H. Kojima, Y. Katoh, K. Shiokawa, K. Seki, M. Fujimoto, T. Ono, and ERG project group	Geospace exploration project: Arase (ERG)	<i>IOP Conf. Series: J. Phys.: Conf. Series</i>	869	10.1088/1742-6596/869/1/012095	2017
14	Keika, K., Y. Miyoshi, S. Machida, A. Ieda, K. Seki, T. Hori, Y. Miyashita, M. Shoji, I. Shinohara, V. Angelopoulos, J. W. Lewis, and A. Flores, A visualization tool for three-dimensional plasma velocity distributions (ISEE_3D) as a plug-in tool for SPEDAS, <i>Earth Planets Space</i> , 69:170, doi:10.1186/s40623-017-0761-9, 2017.	no	Keika, K., Y. Miyoshi, S. Machida, A. Ieda, K. Seki, T. Hori, Y. Miyashita, M. Shoji, I. Shinohara, V. Angelopoulos, J. W. Lewis, and A. Flores	A visualization tool for three-dimensional plasma velocity distributions (ISEE_3D) as a plug-in tool for SPEDAS	<i>J. Geophys. Res.</i>	122	10.0002/2017JA024025	2017
15	Yonezu, Y., K. Shiokawa, M. Connors, M. Ozaki, J. K. Manninen, H. Yamagishi, and M. Okada, Simultaneous observations of magnetospheric ELF/VLF emissions in Canada, Finland, and Antarctica, <i>J. Geophys. Res.</i> , 122, doi: 10.0002/2017JA024211, 2017.	yes	Yonezu, Y., K. Shiokawa, M. Connors, M. Ozaki, J. K. Manninen, H. Yamagishi, and M. Okada	Simultaneous observations of magnetospheric ELF/VLF emissions in Canada, Finland, and Antarctica	<i>J. Geophys. Res.</i>	122	10.0002/2017JA024211	2017

16	Xu, H., K. Shiokawa, and D. Frühauff, Statistical analysis of severe magnetic fluctuations in the near-Earth plasma sheet observed by THEMIS-E. <i>Ann. Geophys.</i> , 35, doi:10.5194/angeo-35-1131-2017, 10.5194/angeo-35-1131-2017-corrigendum, 2017	yes	Xu, H., K. Shiokawa, and D. Frühauff	Statistical analysis of severe magnetic fluctuations in the near-Earth plasma sheet observed by THEMIS-E	Ann. Geophys.	35	10.5194/angeo-35-1131-2017	2017
17	Tan, L. M., K. Shiokawa, N. N. Thu and T. Q. Ha, Density variability of nighttime D-region ionosphere in Vietnamese and Japanese sectors, <i>J. Geophys. Res.</i> , 122, doi:10.0002/2017JA024025, 2017.	yes	Tan, L. M., K. Shiokawa, N. N. Thu and T. Q. Ha	Density variability of nighttime D-region ionosphere in Vietnamese and Japanese sectors	J. Geophys. Res.	122	10.0002/2017JA024025	2017
18	Takeo, D., K. Shiokawa, H. Fujinami, Y. Otsuka, T. S. Matsuda, M. K. Ejiri, T. Nakamura and M. Yamamoto, Sixteen-year variation of horizontal phase velocity and propagation direction of mesospheric and thermospheric waves in airglow images at Shigaraki, Japan, <i>J. Geophys. Res.</i> , 122, doi: 10.0002/2017JA023919, 2017.	yes	Takeo, D., K. Shiokawa, H. Fujinami, Y. Otsuka, T. S. Matsuda, M. K. Ejiri, T. Nakamura and M. Yamamoto	Sixteen-year variation of horizontal phase velocity and propagation direction of mesospheric and thermospheric waves in airglow images at Shigaraki, Japan	J. Geophys. Res.	122	10.0002/2017JA023919	2017
19	Takahashi, N., Y. Kasaba, Y. Nishimura, A. Shinbori, T. Kikuchi, T. Hori, Y. Ebihara, and N. Nishitani, Propagation and evolution of electric fields associated with solar wind pressure pulses based on spacecraft and ground-based observations, <i>J. Geophys. Res.</i> , 122, doi:10.1002/2017JA023990, 2017.	yes	Takahashi, N., Y. Kasaba, Y. Nishimura, A. Shinbori, T. Kikuchi, T. Hori, Y. Ebihara, and N. Nishitani	Propagation and evolution of electric fields associated with solar wind pressure pulses based on spacecraft and ground-based observations	J. Geophys. Res.	44	10.1002/2017JA023990	2017
20	Shoji, M., Y. Miyoshi, Y. Katoh, K. Keika, V. Angelopoulos, S. Kasahara, K. Asamura, S. Nakamura, and Y. Omura, Ion hole formation and nonlinear generation of Electromagnetic Ion Cyclotron waves: THEMIS observations, <i>Geophysical Research Letters</i> , 44, doi:10.1023/2017GL074254, 2017.	no	Shoji, M., Y. Miyoshi, Y. Katoh, K. Keika, V. Angelopoulos, S. Kasahara, K. Asamura, S. Nakamura, and Y. Omura	Ion hole formation and nonlinear generation of Electromagnetic Ion Cyclotron waves: THEMIS observations	Geophys. Res. Lett.	44	10.1023/2017GL074254	2017
21	Shiokawa, K., Y. Kato, Y. Hamaguchi, Y. Yamamoto, T. Adachi, M. Ozaki, S.-I. Oyama, M. Nosé, et al., Ground-based instruments of the PWING project to investigate dynamics of the inner magnetosphere at subauroral latitudes as a part of the ERG-ground coordinated observation network, <i>Earth Planets Space</i> , 69:160, doi: 10.1186/s40623-017-0745-9, 2017	yes	Shiokawa, K., Y. Kato, Y. Hamaguchi, Y. Yamamoto, T. Adachi, M. Ozaki, S.-I. Oyama, M. Nosé, et al.	Ground-based instruments of the PWING project to investigate dynamics of the inner magnetosphere at subauroral latitudes as a part of the ERG-ground coordinated observation network	Earth Planets Space	69	10.1186/s40623-017-0745-9	2017
22	Shinbori, A., Y. Koyama, M. Nosé, T. Hori, and Y. Otsuka, Characteristics of seasonal variation and solar activity dependence of the geomagnetic solar quiet daily variation, <i>J. Geophys. Res.</i> , 122, doi: 10.1002/2017JA024342, 2017.	yes	Shinbori, A., Y. Koyama, M. Nosé, T. Hori, and Y. Otsuka	Characteristics of seasonal variation and solar activity dependence of the geomagnetic solar quiet daily variation	J. Geophys. Res.	122	10.1002/2017JA024342	2017
23	Sato, N., A. S. Yukimatu, Y.-M. Tanaka, Y.-M. and T. Hori, Morphologies of omega band auroras, <i>Earth Planets Space</i> , 69:103, doi:10.1186/s40623-017-0688-1, 2017.	no	Sato, N., A. S. Yukimatu, Y.-M. Tanaka, Y.-M. and T. Hori	Simultaneous FPI and TMA measurements of the lower thermospheric wind in the vicinity of the poleward expanding aurora after substorm onset	Earth Planets Space	69	10.1186/s40623-017-0688-1	2017
24	Oyama, S., K. Kubota, T. Morinaga, T. T. Tsuda, J. Kurihara, M. F. Larsen, M. Yamamoto, and L. Cai, Simultaneous FPI and TMA measurements of the lower thermospheric wind in the vicinity of the poleward expanding aurora after substorm onset, <i>J. Geophys. Res.</i> , 122, doi: 10.1002/2017JA024613, 2017.	yes	Oyama, S., K. Kubota, T. Morinaga, T. T. Tsuda, J. Kurihara, M. F. Larsen, M. Yamamoto, and L. Cai	Simultaneous FPI and TMA measurements of the lower thermospheric wind in the vicinity of the poleward expanding aurora after substorm onset	J. Geophys. Res.	122	10.1002/2017JA024613	2017
25	Oyama, S., A. Kero, C. J. Rodger, M. A. Clilverd, Y. Miyoshi, N. Partamies, E. Turunen, T. Raita, P. T. Verronen, and S. Saito, Energetic electron precipitation and auroral morphology at the substorm recovery phase, <i>J. Geophys. Res.</i> , 122, doi:10.1002/2016JA023484, 2017	yes	Oyama, S., A. Kero, C. J. Rodger, M. A. Clilverd, Y. Miyoshi, N. Partamies, E. Turunen, T. Raita, P. T. Verronen, and S. Saito	Energetic electron precipitation and auroral morphology at the substorm recovery phase	J. Geophys. Res.	122	10.1002/2016JA023484	2017
26	Nosé, M., M. Uyeshima, J. Kawai, and H. Hase, Ionospheric Alfvén resonator observed at low-latitude ground station, Muroto, <i>J. Geophys. Res.</i> , 122, doi:10.1002/2017JA024204, 2017.	yes	Nosé, M., M. Uyeshima, J. Kawai, and H. Hase	Ionospheric Alfvén resonator observed at low-latitude ground station	J. Geophys. Res.	122	10.1002/2017JA024204	2017
27	Nishi, K., K. Shiokawa, and D. Frühauff, Conjugate observation of auroral finger-like structures by ground-based all-sky cameras and THEMIS satellites, <i>J. Geophys. Res.</i> , 122, doi:10.0002/2016JA023774, 2017.	yes	Nishi, K., K. Shiokawa, and D. Frühauff	Conjugate observation of auroral finger-like structures by ground-based all-sky cameras and THEMIS satellites	J. Geophys. Res.	122	10.0002/2016JA023774	2017
28	Kawai, J., M. Miyamoto, M. Kawabata, M. Nosé, Y. Haruta, and G. Uehara, Characterization and demonstration results of a SQUID magnetometer system developed for geomagnetic field measurements, <i>Superconductor Science and Technology</i> , 30, doi:10.1088/1361-6668/aa733f, 2017.	no	Kawai, J., M. Miyamoto, M. Kawabata, M. Nosé, Y. Haruta, and G. Uehara	Characterization and demonstration results of a SQUID magnetometer system developed for geomagnetic field	Superconductor Science and Technology	30	10.1088/1361-6668/aa733f	2017
29	Kasaba, Y., K. Ishisaka, Y. Kasahara, T. Imachi, S. Yagitani, H. Kojima, S. Matsuda, M. Shoji, S. Kurita, T. Hori, A. Shinbori, M. Teramoto, Y. Miyoshi, T. Nakagawa, N. Takahashi, Y. Nishimura, A. Matsuoka, A. Kumamoto, F. Tsuchiya, and R. Nomura, Wire probe antenna (WPT) and electric field detector (EFD) of plasma wave experiment (PWE) aboard the Arase satellite: specifications and initial evaluation results, <i>Earth. Planets. Space.</i> , 69:174, doi: 10.1186/s40623-017-0760-x, 2017.	no	Kasaba, Y., K. Ishisaka, Y. Kasahara, T. Imachi, S. Yagitani, H. Kojima, S. Matsuda, M. Shoji, S. Kurita, T. Hori, A. Shinbori, M. Teramoto, Y. Miyoshi, T. Nakagawa, N. Takahashi, Y. Nishimura, A. Matsuoka, A. Kumamoto, F. Tsuchiya, and R. Nomura	Wire probe antenna (WPT) and electric field detector (EFD) of plasma wave experiment (PWE) aboard the Arase satellite: specifications and initial evaluation results	Earth Planets Space	69:174	10.1186/s40623-017-0760-x	2017
30	Jayachandran, P. T., A. M. Hamza, K. Hosokawa, H. Mezoui, and K. Shiokawa, GPS amplitude and phase scintillation associated with polar cap auroral forms, <i>J. Atmos. Solar-Terr. Phys.</i> , 164, doi:10.1016/j.jastp.2017.08.030, 2017.	yes	Jayachandran, P. T., A. M. Hamza, K. Hosokawa, H. Mezoui, and K. Shiokawa	GPS amplitude and phase scintillation associated with polar cap auroral forms	J. Atmos. Solar-Terr. Phys.	164	10.1016/j.jastp.2017.08.030	2017
31	Hui, D., D. Chakrabarty, R. Sekar, G. D. Reeves, A. Yoshikawa, and K. Shiokawa, Contribution of Storm-Time Substorms to the Prompt Electric Field Disturbances in the Equatorial Ionosphere, <i>J. Geophys. Res.</i> , 122, doi:10.0002/2016JA023754, 2017.	yes	Hui, D., D. Chakrabarty, R. Sekar, G. D. Reeves, A. Yoshikawa, and K. Shiokawa	Contribution of Storm-Time Substorms to the Prompt Electric Field Disturbances in the Equatorial Ionosphere	J. Geophys. Res.	122	10.0002/2016JA023754	2017

32	Grandin, M.A. Kero, N. Partamies, D. McKay, D. Whiter, A. Kozlovsky, Y. Miyoshi, Observation of pulsating aurora signatures in cosmic noise absorption data, <i>Geophys. Res. Lett.</i> , 44, doi:10.1002/2017GL073901, 2017.	yes	Grandin, M.A. Kero, N. Partamies, D. McKay, D. Whiter, A. Kozlovsky, and Y. Miyoshi	Observation of pulsating aurora signatures in cosmic noise absorption data	Geophys. Res. Lett.	44	10.1002/2017GL073901	2017
33	Seki, K., Y. Miyoshi, Y. Ebihara, Y. Katoh, T. Amano, S. Saito, M. Shoji, A. Nakamizo, K. Keika, T. Hori, S. Nakano, S. Watanabe, K. Kamiya, N. Takahashi, Y. Omura, M. Nosé, M.-C. Fok, T. Tanaka, A. Ieda, and A. Yoshikawa, Theory, modeling, and integrated studies in the Arase (ERG) project, <i>Earth Planets Space</i> , 70:17, 10.1186/s40623-018-0785-9, 2018.	yes	Seki, K., Y. Miyoshi, Y. Ebihara, Y. Katoh, T. Amano, S. Saito, M. Shoji, A. Nakamizo, K. Keika, T. Hori, S. Nakano, S. Watanabe, K. Kamiya, N. Takahashi, Y. Omura, M. Nosé, M.-C. Fok, T. Tanaka, A. Ieda, and A. Yoshikawa	Theory, modeling, and integrated studies in the Arase (ERG) project	Earth Planets Space	13	Dr13-3- 9026	2018
34	Kamiya, K., K. Seki, S. Saito, T. Amano, and Y. Miyoshi, Formation of butterfly pitch angle distributions of relativistic electrons in the outer radiation belt with a monochromatic Pc5 wave, <i>J. Geophys. Res.</i> , 123, doi:10.1002/2017JA024764, 2018.	yes	Kamiya, K., K. Seki, S. Saito, T. Amano, and Y. Miyoshi	Formation of butterfly pitch angle distributions of relativistic electrons in the outer radiation belt with a monochromatic Pc5 wave	J. Geophys. Res.	123	10.1002/2017JA024764	2018
35	Tsuda, T. T., M. T. Rietveld, M. J. Kosch, S. Oyama, K. Hosokawa, S. Nozawa, T. Kawabata, A. Mizuno and Y. Ogawa, Survey of conditions for artificial aurora experiments at EISCAT Tromsø using dynasonde data, <i>Earth Planets Space</i> , 70:40, doi:10.1186/s40623-018-0805-9, 2018.	yes	Tsuda, T. T., M. T. Rietveld, M. J. Kosch, S. Oyama, K. Hosokawa, S. Nozawa, T. Kawabata, A. Mizuno and Y. Ogawa	Survey of conditions for artificial aurora experiments at EISCAT Tromsø using dynasonde data	Earth Planets Space	3	10.1186/s40623-018-0805-9	2018
36	Takahashi, K., S. Oimatsu, M. Nosé, K. Min, S. G. Claudepierre, A. Chan, J. Wygant, and H. Kim, Van Allen Probes observations of second harmonic poloidal standing Alfvén waves, <i>J. Geophys. Res.</i> , 123, doi:10.1002/2017JA024869, 2018.	no	Takahashi, K., S. Oimatsu, M. Nosé, K. Min, S. G. Claudepierre, A. Chan, J. Wygant, and H. Kim	Van Allen Probes observations of second harmonic poloidal standing Alfvén waves	J. Geophys. Res.	123	10.1002/2017JA024869	2018
37	Oimatsu, S., M. Nosé, K. Takahashi, K. Yamamoto, K. Keika, C. A. Kletzing, C. W. Smith, R. J. MacDowall, and D. G. Mitchell, Van Allen Probes observations of drift-bounce resonance and energy transfer between energetic ring current protons and poloidal Pc4 wave, <i>J. Geophys. Res.</i> , 123, doi:10.1029/2017JA025087, 2018.	yes	Oimatsu, S., M. Nosé, K. Takahashi, K. Yamamoto, K. Keika, C. A. Kletzing, C. W. Smith, R. J. MacDowall, and D. G. Mitchell	Van Allen Probes observations of drift-bounce resonance and energy transfer between energetic ring current protons and poloidal Pc4 wave	J. Geophys. Res.	123	10.1029/2017JA025087	2018
38	Matsuoka, A., M. Teramoto, R. Nomura, M. Nosé, A. Fujimoto, Y. Tanaka, M. Shinohara, T. Nagatsuma, K. Shiokawa, Y. Obana, Y. Miyoshi, M. Mita, T. Takashima, and I. Shinohara, The ARASE (ERG) magnetic field investigation, <i>Earth, Planets, and Space</i> , 70:43, doi: 10.1186/s40623-018-0800-1, 2018.	no	Matsuoka, A., M. Teramoto, R. Nomura, M. Nosé, A. Fujimoto, Y. Tanaka, M. Shinohara, T. Nagatsuma, K. Shiokawa, Y. Obana, Y. Miyoshi, M. Mita, T. Takashima, and I. Shinohara	The ARASE (ERG) magnetic field investigation	Earth, Planets and Space	70:43	10.1186/s40623-018-0800-1	2018
39	Keika, K., K. Seki, M. Nosé, Y. Miyoshi, L. J. Lanzerotti, D. G. Mitchell, M. Gkioulidou, and J. W. Manweiler, Three-step buildup of the 17 March 2015 storm ring current: Implication for the cause of the unexpected storm intensification, <i>J. Geophys. Res.</i> , 123, doi:10.1002/2017JA024462, 2018.	no	Keika, K., K. Seki, M. Nosé, Y. Miyoshi, L. J. Lanzerotti, D. G. Mitchell, M. Gkioulidou, and J. W. Manweiler	Three-step buildup of the 17 March 2015 storm ring current: Implication for the cause of the unexpected storm intensification	J. Geophys. Res.	123	10.1002/2017JA024462	2018
40	Kasahara, S., Y. Miyoshi, S. Yokota, T. Mitani, Y. Kasahara, S. Matsuda, A. Kumamoto, A. Matsuoka, Y. Kazama, H.U. Frey, V. Anvelopoulos, S. Kurita, K. Keika, K. Seki, and I. Shinohara, Pulsating aurora from electron scattering by chorus waves, <i>Nature</i> , 554, doi:10.1038/nature25505, 2018.	yes	Kasahara, S., Y. Miyoshi, S. Yokota, T. Mitani, Y. Kasahara, S. Matsuda, A. Kumamoto, A. Matsuoka, Y. Kazama, H.U. Frey, V. Anvelopoulos, S. Kurita, K. Keika, K. Seki, and I. Shinohara	Pulsating aurora from electron scattering by chorus waves	Nature	554	10.1038/nature25505	2018
41	Ieda, A., K. Kauristie, Y. Nishimura, Y. Miyashita, H. U. Frey, L. Juusola, D. Whiter, M. Nosé, M. O. Fillingim, F. Honary, N. C. Rogers, Y. Miyoshi, T. Miura, T. Kawashima, and S. Machida, Simultaneous observation of auroral substorm onset in Polar satellite global images and ground-based allsky images, <i>Earth, Planets and Space</i> , 70, doi:10.1186/s40623-018-0843-3, 2018.	no	Ieda, A., K. Kauristie, Y. Nishimura, Y. Miyashita, H. U. Frey, L. Juusola, D. Whiter, M. Nosé, M. O. Fillingim, F. Honary, N. C. Rogers, Y. Miyoshi, T. Miura, T. Kawashima, and S. Machida	Simultaneous observation of auroral substorm onset in Polar satellite global images and ground-based allsky images	Earth, Planets and Space	70	10.1186/s40623-018-0843-3	2018
42	Figueiredo, C. A. O. B., H. Takahashi, C. M. Wrasse, Y. Otsuka, K. Shiokawa, and D. Barros, Medium scale traveling ionospheric disturbances observed by detrended total electron content maps over Brazil, <i>J. Geophys. Res.</i> , 123, doi:10.0002/2017JA025021, 2018.	yes	Figueiredo, C. A. O. B., H. Takahashi, C. M. Wrasse, Y. Otsuka, K. Shiokawa, and D. Barros	Medium scale traveling ionospheric disturbances observed by detrended total electron content maps over Brazil	J. Geophys. Res.	123	10.0002/2017JA025021	2018
43	Ozaki, M., K. Shiokawa, Y. Miyoshi, R. Kataoka, M. Connors, T. Inoue, S. Yagitani, Y. Ebihara, C.-W. Jun, R. Nomura, K. Sakaguchi, Y. Otsuka, H.A. Uchida, I. Schofield, and D.W. Danskin, Discovery of 1-Hz range modulation of isolated proton aurora at subauroral latitudes, <i>Geophys. Res. Lett.</i> , 45, doi:10.0002/2017GL076486, 2018.	yes	Ozaki, M., K. Shiokawa, Y. Miyoshi, R. Kataoka, M. Connors, T. Inoue, S. Yagitani, Y. Ebihara, C.-W. Jun, R. Nomura, K. Sakaguchi, Y. Otsuka, H.A. Uchida, I. Schofield, and D.W. Danskin	Discovery of 1-Hz range modulation of isolated proton aurora at subauroral latitude	Geophys. Res. Lett.	45	10.0002/2017GL076486	2018
44	Tsuda, T. T., M. T. Rietveld, M. J. Kosch, S. Oyama, Y. Ogawa, K. Hosokawa, S. Nozawa, T. Kawabata, and A. Mizuno, Survey of conditions for artificial aurora experiments by the second electron gyro-harmonic at EISCAT Tromsø using dynasonde data, <i>Earth, Planets, Space</i> , 70:94, doi:10.1186/s40623-018-0864-y, 2018	yes	Tsuda, T. T., M. T. Rietveld, M. J. Kosch, S. Oyama, Y. Ogawa, K. Hosokawa, S. Nozawa, T. Kawabata, and A. Mizuno	Survey of conditions for artificial aurora experiments by the second electron gyro-harmonic at EISCAT Tromsø using dynasonde data	Earth, Planets, Space	70:94	10.1186/s40623-018-0864-y	2018
45	Oyama, S., T. T. Tsuda, K. Hosokawa, Y. Ogawa, Y. Miyoshi, S. Kurita, A. E. Kero, R. Fujii, Y. Tanaka, A. Mizuno, T. Kawabata, B. Gustavsson, and T. Leyser, Auroral molecular-emission effects on the atomic oxygen line at 777.4 nm, <i>Earth, Planets and Space</i> , 70:166, doi:10.1186/s40623-018-0936-z, 2018.	yes	Oyama, S., T. T. Tsuda, K. Hosokawa, Y. Ogawa, Y. Miyoshi, S. Kurita, A. E. Kero, R. Fujii, Y. Tanaka, A. Mizuno, T. Kawabata, B. Gustavsson, and T. Leyser	Auroral molecular-emission effects on the atomic oxygen line at 777.4 nm	Earth, Planets and Space	70:166	10.1186/s40623-018-0936-z	2018
46	Yamamoto, K., M. Nosé, S. Kasahara, S. Yokota, K. Keika, A. Matsuoka, M. Teramoto, K. Takahashi, S. Oimatsu, R. Nomura, M. Vellante, B. Heilig, A. Fujimoto, Y. Tanaka, M. Shinohara, and Y. Miyoshi, Giant pulsations excited by a steep earthward gradient of proton phase space density: Arase observation, <i>Geophys. Res. Lett.</i> , 45, doi:10.1029/2018GL078293, 2018.	yes	Yamamoto, K., M. Nosé, S. Kasahara, S. Yokota, K. Keika, A. Matsuoka, M. Teramoto, K. Takahashi, S. Oimatsu, R. Nomura, M. Vellante, B. Heilig, A. Fujimoto, Y. Tanaka, M. Shinohara, and Y. Miyoshi	Giant pulsations excited by a steep earthward gradient of proton phase space density: Arase observation	Geophys. Res. Lett.	45	10.1029/2018GL078293	2018
47	Tsugawa, T., M. Nishioka, M. Ishii, K. Hozumi, S. Saito, A. Shinbori, Y. Otsuka, A. Saito, S. M. Buhari, M. Abdullah, and P. Supnithi, Total electron content observations by dense regional and worldwide international networks of GNSS, <i>Journal of Disaster Research</i> , 13, doi:10.20965/jdr.2018.p0535, 2018	yes	Tsugawa, T., M. Nishioka, M. Ishii, K. Hozumi, S. Saito, A. Shinbori, Y. Otsuka, A. Saito, S. M. Buhari, M. Abdullah, and P. Supnithi	Total electron content observations by dense regional and worldwide international networks of GNSS	J. Disaster Res.	13	10.20965/jdr.2018.p0535	2018
48	Tsuchiya, S., K. Shiokawa, H. Fujinami, Y. Otsuka, T. Nakamura, and M. Yamamoto, Statistical analysis of the phase velocity distribution of mesospheric and ionospheric waves observed in airglow images over a 16-year period: comparison between Rikubetsu and Shigaraki, Japan, <i>J. Geophys. Res.</i> , 123, doi:10.1029/2018JA025585, 2018.	yes	Tsuchiya, S., K. Shiokawa, H. Fujinami, Y. Otsuka, T. Nakamura, and M. Yamamoto	Statistical analysis of the phase velocity distribution of mesospheric and ionospheric waves observed in airglow images over a 16-year period: comparison between Rikubetsu and Shigaraki, Japan	J. Geophys. Res.	123	10.1029/2018JA025585	2018

49	Tsuchiya, F., A. Hirai, T. Obara, H. Misawa, S. Kurita, Y. Miyoshi, K. Shiokawa, M. Connors, M. Ozaki, Y. Kasahara, A. Kumamoto, Y. Kasaba, A. Matsuoka, M. Shoji, and I. Shinohara, Energetic electron precipitation associated with pulsating aurora observed by VLF radio propagation during the recovery phase of a substorm on 27 March 2017, <i>Geophys. Res. Lett.</i> , 45, doi:10.1029/2018GL080222, 2018.	yes	Tsuchiya, F., A. Hirai, T. Obara, H. Misawa, S. Kurita, Y. Miyoshi, K. Shiokawa, M. Connors, M. Ozaki, Y. Kasahara, A. Kumamoto, Y. Kasaba, A. Matsuoka, M. Shoji, and I. Shinohara	Energetic electron precipitation associated with pulsating aurora observed by VLF radio propagation during the recovery phase of a substorm on 27 March 2017	Geophys. Res. Lett.	45	10.1029/2018GL080222	2018
50	Takahashi, N., K. Seki, M. Teramoto, M.-C. Fok, Y. Zheng, A. Matsuoka, N. Higashio, K. Shiokawa, D. Baishev, A. Yoshikawa, and T. Nagatsuma, Global distribution of ULF waves during magnetic storms: Comparison of Arase, ground observations and BATSRUS+CRCM simulation, <i>Geophys. Res. Lett.</i> , 45, doi:10.1029/2018GL078857, 2018.	yes	Takahashi, N., K. Seki, M. Teramoto, M.-C. Fok, Y. Zheng, A. Matsuoka, N. Higashio, K. Shiokawa, D. Baishev, A. Yoshikawa, and T. Nagatsuma	Global distribution of ULF waves during magnetic storms: Comparison of Arase, ground observations and BATSRUS+CRCM simulation	Geophys. Res. Lett.	45	10.1029/2018GL078857	2018
51	Takahashi, K., R. Denton, T. Motoba, A. Matsuoka, Y. Kasaba, Y. Kasahara, M. Teramoto, M. Shoji, N. Takahashi, Y. Miyoshi, M. Nosé, A. Kumamoto, F. Tsuchiya, R. Redmon, and J. Rodriguez, Impulsively Excited Nightside Ultralow Frequency Waves Simultaneously Observed On and Off the Magnetic Equator, <i>Geophys. Res. Lett.</i> , 45, doi:10.1029/2018GL078731, 2018.	yes	Takahashi, K., R. Denton, T. Motoba, A. Matsuoka, Y. Kasaba, Y. Kasahara, M. Teramoto, M. Shoji, N. Takahashi, Y. Miyoshi, M. Nosé, A. Kumamoto, F. Tsuchiya, R. Redmon, and J. Rodriguez,	Impulsively Excited Nightside Ultralow Frequency Waves Simultaneously Observed On and Off the Magnetic Equator	Geophys. Res. Lett.	45	10.0002/2018JA02510.1029/2018GL078731261	2018
52	Takagi, Y., K. *Shiokawa, Y. Otsuka, M. Connors, and I. Schofield, Statistical analysis of SAR arc detachment from the main oval based on 11-year, all-sky imaging observation at Athabasca, Canada, <i>Geophys. Res. Lett.</i> , 45, doi:10.1029/2018GL079615, 2018	yes	Takagi, Y., K. *Shiokawa, Y. Otsuka, M. Connors, and I. Schofield	Statistical analysis of SAR arc detachment from the main oval based on 11-year, all-sky imaging observation at Athabasca, Canada	Geophys. Res. Lett.	45	10.1029/2018GL079615	2018
53	Shoji, M., Y. Miyoshi, Y. Omura, L.M. Kistler, Y. Kasaba, S. Matsuda, Y. Kasahara, A. Matsuoka, R. Nomura, K. Ishisaka, A. Kumamoto, F. Tsuchiya, S. Yagitani, M. Teramoto, K. Asamura, T. Takashima, and I. Shinohara, Instantaneous Frequency Analysis on Nonlinear EMIC Emissions: Arase Observation, <i>Geophys. Res. Lett.</i> , 45, doi:10.1029/2018GL079765, 2018.	yes	Shoji, M., Y. Miyoshi, Y. Omura, L.M. Kistler, Y. Kasaba, S. Matsuda, Y. Kasahara, A. Matsuoka, R. Nomura, K. Ishisaka, A. Kumamoto, F. Tsuchiya, S. Yagitani, M. Teramoto, K. Asamura, T. Takashima, and I. Shinohara	Instantaneous Frequency Analysis on Nonlinear EMIC Emissions: Arase Observation	Geophys. Res. Lett.	45	10.1029/2018GL079765	2018
54	Shinbori, A., Y. Otsuka, T. Tsugawa, M. Nishioka, A. Kumamoto, F. Tsuchiya, S. Matsuda, Y. Kasahara, A. Matsuoka, J. M. Ruohoniemi, S. G. Shepherd, and N. Nishitani, Temporal and spatial variations of storm time midlatitude ionospheric trough based on global GNSS-TEC and Arase satellite observations, <i>Geophys. Res. Lett.</i> , 45, doi:10.1029/2018GL078723, 2018.	yes	Shinbori, A., Y. Otsuka, T. Tsugawa, M. Nishioka, A. Kumamoto, F. Tsuchiya, S. Matsuda, Y. Kasahara, A. Matsuoka, J. M. Ruohoniemi, S. G. Shepherd, and N. Nishitani	Temporal and spatial variations of storm time midlatitude ionospheric trough based on global GNSS-TEC and Arase satellite observations	Geophys. Res. Lett.	45	10.1029/2018GL078723	2018
55	Perwitasari, S., T. Nakamura, M. Kogure, Y. Tomikawa, M. K. Ejiri, and K. Shiokawa, Comparison of gravity wave propagation direction observed by mesospheric airglow imaging at three different latitudes by using M-transform, <i>Ann. Geophys.</i> , 36, doi:10.5194/angeo-36-1597-2018, 2018.	yes	Perwitasari, S., T. Nakamura, M. Kogure, Y. Tomikawa, M. K. Ejiri, and K. Shiokawa	Comparison of gravity wave propagation direction observed by mesospheric airglow imaging at three different latitudes by using M-transform	Ann. Geophys.	36	10.5194/angeo-36-1597-2018	2018
56	Ozaki, M., K. Shiokawa, Y. Miyoshi, K. Hosokawa, S. Oyama, S. Yagitani, Y. Kasahara, Y. Kasaba, S. Matsuda, R. Kataoka, Y. Ebihara, Y. Ogawa, Y. Otsuka, S. Kurita, R. C. Moore, Y.-M. Tanaka, M. Nosé, T. Nagatsuma, M. Connors, N. Nishitani, Y. Katoh, M. Hikishima, A. Kumamoto, F. Tsuchiya, A. Kadokura, T. Nishiyama, T. Inoue, K. Imamura, A. Matsuoka, and I. Shinohara, Microscopic observations of pulsating aurora associated with chorus element structures: Coordinated Arase satellite-PWING observations, <i>Geophys. Res. Lett.</i> , 45, doi:10.1029/2018GL079812, 2018.	yes	Ozaki, M., K. Shiokawa, Y. Miyoshi, K. Hosokawa, S. Oyama, S. Yagitani, Y. Kasahara, Y. Kasaba, S. Matsuda, R. Kataoka, Y. Ebihara, Y. Ogawa, Y. Otsuka, S. Kurita, R. C. Moore, Y.-M. Tanaka, M. Nosé, T. Nagatsuma, M. Connors, N. Nishitani, Y. Katoh, M. Hikishima, A. Kumamoto, F. Tsuchiya, A. Kadokura, T. Nishiyama, T. Inoue, K. Imamura, A. Matsuoka, and I. Shinohara	Microscopic observations of pulsating aurora associated with chorus element structures: Coordinated Arase satellite-PWING observations	Geophys. Res. Lett.	45	10.1029/2018GL079812	2018
57	Oimatsu, S., M. Nosé, M. Teramoto, K. Yamamoto, A. Matsuoka, S. Kasahara, S. Yokota, K. Keika, G. Le, R. Nomura, A. Fujimoto, D. Sormakov, O. Troshichev, Y.-M. Tanaka, M. Shinohara, I. Shinohara, Y. Miyoshi, J. A. Slavin, R. E. Ergun, and P.-A. Lindqvist, Drift-bounce resonance between Pc5 pulsations and ions at multiple energies in the nightside magnetosphere: Arase and MMS observations, <i>Geophys. Res. Lett.</i> , 45, doi:10.1029/2018GL078961, 2018.	yes	Oimatsu, S., M. Nosé, M. Teramoto, K. Yamamoto, A. Matsuoka, S. Kasahara, S. Yokota, K. Keika, G. Le, R. Nomura, A. Fujimoto, D. Sormakov, O. Troshichev, Y.-M. Tanaka, M. Shinohara, I. Shinohara, Y. Miyoshi, J. A. Slavin, R. E. Ergun, and P.-A. Lindqvist	Drift-bounce resonance between Pc5 pulsations and ions at multiple energies in the nightside magnetosphere: Arase and MMS observations	Geophys. Res. Lett.	45	10.1029/2018GL078961	2018
58	Nosé, M., A. Matsuoka, S. Kasahara, S. Yokota, M. Teramoto, K. Keika, K. Yamamoto, R. Nomura, A. Fujimoto, N. Higashio, H. Koshiishi, S. Imajo, S. Oimatsu, Y.-M. Tanaka, M. Shinohara, I. Shinohara, and Y. Miyoshi, Magnetic field dipolarization and its associated ion flux variations in the dawnside deep inner magnetosphere: Arase observations, <i>Geophys. Res. Lett.</i> , 45, doi:10.1029/2018GL078825, 2018.	yes	Nosé, M., A. Matsuoka, S. Kasahara, S. Yokota, M. Teramoto, K. Keika, K. Yamamoto, R. Nomura, A. Fujimoto, N. Higashio, H. Koshiishi, S. Imajo, S. Oimatsu, Y.-M. Tanaka, M. Shinohara, I. Shinohara, and Y. Miyoshi	Magnetic field dipolarization and its associated ion flux variations in the dawnside deep inner magnetosphere: Arase observations	Geophys. Res. Lett.	45	10.1029/2018GL078825	2018
59	Nosé, M., A. Matsuoka, A. Kumamoto, Y. Kasahara, J. Goldstein, M. Teramoto, F. Tsuchiya, S. Matsuda, M. Shoji, S. Imajo, S. Oimatsu, K. Yamamoto, Y. Obana, R. Nomura, A. Fujimoto, I. Shinohara, Y. Miyoshi, W. S. Kurth, C. A. Kletzing, C. W. Smith, and R. J. MacDowall, Longitudinal structure of oxygen torus in the inner magnetosphere: Simultaneous observations by Arase and Van Allen Probe A, <i>Geophys. Res. Lett.</i> , 45, doi:10.1029/2018GL080122, 2018.	yes	Nosé, M., A. Matsuoka, A. Kumamoto, Y. Kasahara, J. Goldstein, M. Teramoto, F. Tsuchiya, S. Matsuda, M. Shoji, S. Imajo, S. Oimatsu, K. Yamamoto, Y. Obana, R. Nomura, A. Fujimoto, I. Shinohara, Y. Miyoshi, W. S. Kurth, C. A. Kletzing, C. W. Smith, and R. J. MacDowall	Longitudinal structure of oxygen torus in the inner magnetosphere: Simultaneous observations by Arase and Van Allen Probe A	Geophys. Res. Lett.	45	10.1029/2018GL080122	2018
60	Nosé, M., A. Matsuoka, S. Kasahara, S. Yokota, M. Teramoto, K. Keika, K. Yamamoto, R. Nomura, A. Fujimoto, N. Higashio, H. Koshiishi, S. Imajo, S. Oimatsu, and Y.-M. Tanaka, Magnetic Field Dipolarization and Its Associated Ion Flux Variations in the Dawnside Deep Inner Magnetosphere: Arase Observations, <i>Geophys. Res. Lett.</i> , 45, doi:10.1029/2018GL078825, 2018.	yes	Nosé, M., A. Matsuoka, S. Kasahara, S. Yokota, M. Teramoto, K. Keika, K. Yamamoto, R. Nomura, A. Fujimoto, N. Higashio, H. Koshiishi, S. Imajo, S. Oimatsu, and Y.-M. Tanaka	Magnetic Field Dipolarization and Its Associated Ion Flux Variations in the Dawnside Deep Inner Magnetosphere: Arase Observations	Geophys. Res. Lett.	45	10.1029/2018GL078825	2018
61	Nishi, K., K. Shiokawa, K.-H. Glassmeier, and J. Z. D. Mieth, Statistical study of phase relationship between magnetic and plasma pressures in the near-earth nightside magnetosphere using the THEMIS-E satellite, <i>J. Geophys. Res.</i> , 123, doi:10.1029/2018JA025846, 2018.	yes	Nishi, K., K. Shiokawa, K.-H. Glassmeier, and J. Z. D. Mieth	Statistical study of phase relationship between magnetic and plasma pressures in the near-earth nightside magnetosphere using the THEMIS-E satellite	J. Geophys. Res.	123	10.1029/2018JA025846	2018
62	Nishi, K., K. Shiokawa, and H. Spence, Magnetospheric source region of auroral finger-like structures observed by the RBSP-A satellite, <i>J. Geophys. Res.</i> , 123, doi:10.1029/2018JA025480, 2018	yes	Nishi, K., K. Shiokawa, and H. Spence	Magnetospheric source region of auroral finger-like structures observed by the RBSP-A satellite	J. Geophys. Res.	123	10.1029/2018JA025480	2018

63	Narayanan, V. L., K. Shiokawa, Y. Otsuka, and D. Neudegg, On the role of thermospheric winds and sporadic E layers in the formation and evolution of Electrified Medium-Scale Traveling Ionospheric Disturbances (EMSTIDs) in geomagnetic conjugate regions, <i>J. Geophys. Res.</i> , 123, doi:10.1029/2018JA025261, 2018.	yes	Narayanan, V. L., K. Shiokawa, Y. Otsuka, and D. Neudegg	On the role of thermospheric winds and sporadic E layers in the formation and evolution of Electrified Medium-Scale Traveling Ionospheric Disturbances (EMSTIDs) in geomagnetic conjugate regions	J. Geophys. Res.	123	10.1029/2018JA025261	2018
64	Miyoshi, Y., T. Hori, M. Shoji, M. Teramoto, T.-F. Chang, T. Segawa, N. Umemura, S. Matsuda, S. Kurita, K. Keika, Y. Miyashita, K. Seki, Y. Tanaka, N. Nishitani, S. Kasahara, S. Yokota, A. Matsuoka, Y. Kasahara, K. Asamura, T. Takashima, and I. Shinohara, The ERG Science Center, <i>Earth, Planets, Space</i> , 70, doi:10.1186/s40623-018-0867-8, 2018.	yes	Miyoshi, Y., T. Hori, M. Shoji, M. Teramoto, T.-F. Chang, T. Segawa, N. Umemura, S. Matsuda, S. Kurita, K. Keika, Y. Miyashita, K. Seki, Y. Tanaka, N. Nishitani, S. Kasahara, S. Yokota, A. Matsuoka, Y. Kasahara, K. Asamura, T. Takashima, and I. Shinohara	The ERG Science Center	Earth, Planets, Space	70	10.1186/s40623-018-0867-8	2018
65	Miyoshi, Y., I. Shinohara, T. Takashima, K. Asamura, N. Higashio, T. Mitani, S. Kasahara, S. Yokota, Y. Kazama, S.-Y. Wang, S. W. Y. Tam, P.T.P. Ho, Y. Kasahara, Y. Kasaba, S. Yagitani, A. Matsuoka, H. Kojima, Y. Katoh, K. Shiokawa, and K. Seki, Geospace Exploration Project ERG, <i>Earth Planets and Space</i> , 70, doi:10.1186/s40623-018-0862-0, 2018.	yes	Miyoshi, Y., I. Shinohara, T. Takashima, K. Asamura, N. Higashio, T. Mitani, S. Kasahara, S. Yokota, Y. Kazama, S.-Y. Wang, S. W. Y. Tam, P.T.P. Ho, Y. Kasahara, Y. Kasaba, S. Yagitani, A. Matsuoka, H. Kojima, Y. Katoh, K. Shiokawa, and K. Seki	Geospace Exploration Project ERG	Earth Planets and Space	70	10.1186/s40623-018-0862-0	2018
66	Matsuda, S., Y. Kasahara, Y. Miyoshi, R. Nomura, M. Shoji, A. Matsuoka, Y. Kasaba, S. Kurita, M. Teramoto, and K. Ishisaka, Spatial distribution of fine-structured and unstructured EMIC waves observed by the Arase satellite, <i>Geophys. Res. Lett.</i> , 45, doi:10.1029/2018GL080109, 2018.	yes	Matsuda, S., Y. Kasahara, Y. Miyoshi, R. Nomura, M. Shoji, A. Matsuoka, Y. Kasaba, S. Kurita, M. Teramoto, and K. Ishisaka	Spatial distribution of fine-structured and unstructured EMIC waves observed by the Arase satellite	Geophys. Res. Lett.	45	10.1029/2018GL080109	2018
67	Kurita, S., Y. Miyoshi, S. Kasahara, S. Yokota, Y. Kasahara, S. Matsuda, A. Kumamoto, A. Matsuoka, and I. Shinohara, Deformation of electron pitch angle distributions caused by upper-band chorus observed by the Arase satellite, <i>Geophys. Res. Lett.</i> , 45, 10.1029/2018GL079104, 2018.	yes	Kurita, S., Y. Miyoshi, S. Kasahara, S. Yokota, Y. Kasahara, S. Matsuda, A. Kumamoto, A. Matsuoka, and I. Shinohara	Deformation of electron pitch angle distributions caused by upper-band chorus observed by the Arase satellite	Geophys. Res. Lett.	45	10.1029/2018GL079104	2018
68	Kurita, S., Y. Miyoshi, K. Shiokawa, N. Higashio, T. Mitani, T. Takashima, A. Matsuoka, I. Shinohara, C. A. Kletzing, J. B. Blake, S. G. Claudepierre, M. Connors, S. Oyama, T. Nagatsuma, K. Sakaguchi, D. Baishev, and Y. Otsuka, Rapid loss of relativistic electrons by EMIC waves in the outer radiation belt observed by Arase, Van Allen Probes, and the PWING ground stations, <i>Geophys. Res. Lett.</i> , 45, doi:10.1029/2018GL080262, 2018.	yes	Kurita, S., Y. Miyoshi, K. Shiokawa, N. Higashio, T. Mitani, T. Takashima, A. Matsuoka, I. Shinohara, C. A. Kletzing, J. B. Blake, S. G. Claudepierre, M. Connors, S. Oyama, T. Nagatsuma, K. Sakaguchi, D. Baishev, and Y. Otsuka	Rapid loss of relativistic electrons by EMIC waves in the outer radiation belt observed by Arase, Van Allen Probes, and the PWING ground stations	Geophys. Res. Lett.	45	10.1029/2018GL080262	2018
69	Kurita, S., Y. Miyoshi, J. B. Blake, and R. H. Friedel, Response of relativistic electron microbursts to the arrival of high speed solar wind streams and its relation to flux variation of trapped radiation belt electrons, <i>J. Geophys. Res.</i> , 123, doi:10.1029/2018JA025675, 2018.	yes	Kurita, S., Y. Miyoshi, J. B. Blake, and R. H. Friedel	Response of relativistic electron microbursts to the arrival of high speed solar wind streams and its relation to flux variation of trapped radiation belt electrons	J. Geophys. Res.	123	10.1029/2018JA025675	2018
70	Shiokawa, K., M. Ozaki, A. Kadokura, Y. Endo, T. Sakanoi, S. Kurita, Y. Miyoshi, S.-I. Oyama, M. Connors, I. Schofield, J. Michael Ruohoniemi, M. Nosé, T. Nagatsuma, K. Sakaguchi, D. G. Baishev, A. Pashinin, R. Rakhmatulin, B. Shevtsov, I. Poddelsky, M. Engebretson, Tero Raita, Y.-M. Tanaka, A. Matsuoka, M. Teramoto, R. Nomura, A. Fujimoto, A. Matsuoka, N. Higashio, T. Takashima, I. Shinohara, and Jay M. Albert, Purple auroral rays and global Pc1 pulsations observed at the CIR-associated solar wind density enhancement on March 21, 2017, <i>Geophys. Res. Lett.</i> , 45, doi:10.1029/2018GL079103, 2018.	yes	Shiokawa, K., M. Ozaki, A. Kadokura, Y. Endo, T. Sakanoi, S. Kurita, Y. Miyoshi, S.-I. Oyama, M. Connors, I. Schofield, J. Michael Ruohoniemi, M. Nosé, T. Nagatsuma, K. Sakaguchi, D. G. Baishev, A. Pashinin, R. Rakhmatulin, B. Shevtsov, I. Poddelsky, M. Engebretson, Tero Raita, Y.-M. Tanaka, M. Shinohara, M. Teramoto, R. Nomura, A. Fujimoto, A. Matsuoka, N. Higashio, T. Takashima, I. Shinohara, and Jay M. Albert	Purple auroral rays and global Pc1 pulsations observed at the CIR-associated solar wind density enhancement on March 21, 2017	Geophys. Res. Lett.	45	10.1029/2018GL079103	2018
71	Kotov, D. V., P. G. Richards, V. Truklik, O. V. Bogomaz, M. O. Shulha, N. Maruyama, M. Hairston, Y. Miyoshi, Y. Kasahara, A. Kumamoto, F. Tsuchiya, A. Matsuoka, I. Shinohara, M. Hernandez-Pajares, I. F. Dominin, T. G. Zhivolup, L. Ya. Emelianov, and Ya. M. Chepurnyy, Coincident observations by the Kharkiv IS radar and ionosonde, DMSP and Arase(ERG) satellites, and FLIP model simulations: Implications for the NRLMSISE-00 hydrogen density, plasmasphere and ionosphere, <i>Geophys. Res. Lett.</i> , 45, doi:10.1029/2018GL079206, 2018.	yes	Kotov, D. V., P. G. Richards, V. Truklik, O. V. Bogomaz, M. O. Shulha, N. Maruyama, M. Hairston, Y. Miyoshi, Y. Kasahara, A. Kumamoto, F. Tsuchiya, A. Matsuoka, I. Shinohara, M. Hernandez-Pajares, I. F. Dominin, T. G. Zhivolup, L. Ya. Emelianov, and Ya. M. Chepurnyy	Coincident observations by the Kharkiv IS radar and ionosonde, DMSP and Arase(ERG) satellites, and FLIP model simulations: Implications for the NRLMSISE-00 hydrogen density, plasmasphere and ionosphere	Geophys. Res. Lett.	45	10.1029/2018GL079206	2018
72	Kitamura, N., M. Kitahara, M. Shoji, Y. Miyoshi, H. Hasegawa, S. Nakamura, Y. Katoh, Y. Saito, S. Yokota, D. J. Gershman, A. F. Vinas, B. L. Giles, T. E. Moore, W. R. Paterson, C. J. Pollock, C. T. Russell, R. J. Strangeway, S. A. Fuselier, and J. L. Burch, Direct measurements of two-way wave-particle energy transfer in a collisionless space plasma, <i>Science</i> , 361, doi:10.1126/science.aap8730, 2018.	yes	Kitamura, N., M. Kitahara, M. Shoji, Y. Miyoshi, H. Hasegawa, S. Nakamura, Y. Katoh, Y. Saito, S. Yokota, D. J. Gershman, A. F. Vinas, B. L. Giles, T. E. Moore, W. R. Paterson, C. J. Pollock, C. T. Russell, R. J. Strangeway, S. A. Fuselier, and J. L. Burch	Direct measurements of two-way wave-particle energy transfer in a collisionless space plasma	Science	361	10.1126/science.aap8730	2018
73	Kim, H., J. Hwang, J. Park, Y. Miyashita, K. Shiokawa, I. R. Mann, T. Raita, and J. Lee, Large scale ducting of Pc1 pulsations observed by Swarm satellites and multiple ground networks, <i>Geophys. Res. Lett.</i> , 45, doi:10.1029/2018GL080693, 2018.	yes	Kim, H., J. Hwang, J. Park, Y. Miyashita, K. Shiokawa, I. R. Mann, T. Raita, and J. Lee	Large scale ducting of Pc1 pulsations observed by Swarm satellites and multiple ground networks	Geophys. Res. Lett.	45	10.1029/2018GL080693	2018
74	Keika, K., S. Kasahara, S. Yokota, M. Hoshino, K. Seki, M. Nosé, T. Amano, Y. Miyoshi, and I. Shinohara, Ion Energies Dominating Energy Density in the Inner Magnetosphere: Spatial Distributions and Composition, Observed by Arase/MEP-i, <i>Geophys. Res. Lett.</i> , 45, doi:10.1029/2018GL080047, 2018.	yes	Keika, K., S. Kasahara, S. Yokota, M. Hoshino, K. Seki, M. Nosé, T. Amano, Y. Miyoshi, and I. Shinohara	Ion Energies Dominating Energy Density in the Inner Magnetosphere: Spatial Distributions and Composition, Observed by Arase/MEP-i	Geophys. Res. Lett.	45	10.1029/2018GL080047	2018
75	Kazama, Y., H. Kojima, Y. Miyoshi, Y. Kasahara, H. Usui, B.-J. Wang, S.-Y. Wang, S.W.Y. Tam, T.-F. Chang, P.T.P. Ho, K. Asamura, A. Kumamoto, F. Tsuchiya, Y. Kasaba, S. Matsuda, M. Shoji, A. Matsuoka, M. Teramoto, T. Takashima, and I. Shinohara, Density depletions associated with enhancements of electron cyclotron harmonic emissions: An ERG observation, <i>Geophys. Res. Lett.</i> , 45, doi:10.1029/2018GL080117, 2018.	yes	Kazama, Y., H. Kojima, Y. Miyoshi, Y. Kasahara, H. Usui, B.-J. Wang, S.-Y. Wang, S.W.Y. Tam, T.-F. Chang, P.T.P. Ho, K. Asamura, A. Kumamoto, F. Tsuchiya, Y. Kasaba, S. Matsuda, M. Shoji, A. Matsuoka, M. Teramoto, T. Takashima, and I. Shinohara	Density depletions associated with enhancements of electron cyclotron harmonic emissions: An ERG observation	Geophys. Res. Lett.	45	10.1029/2018GL080117	2018

76	Imajo, S., M. Nosé, A. Matsuoka, S. Kasahara, S. Yokota, M. Teramoto, K. Keika, T. Motoba, B. Anderson, R. Nomura, A. Fujimoto, I. Shinohara, and Y. Miyoshi, Magnetosphere-ionosphere connection of storm-time Region-2 field-aligned current and ring current: Arase and AMPERE observations, <i>J. Geophys. Res.</i> , 123, doi:10.1029/2018JA025865, 2018	yes	Imajo, S., M. Nosé, A. Matsuoka, S. Kasahara, S. Yokota, M. Teramoto, K. Keika, T. Motoba, B. Anderson, R. Nomura, A. Fujimoto, I. Shinohara, and Y. Miyoshi	Magnetosphere-ionosphere connection of storm-time Region-2 field-aligned current and ring current: Arase and AMPERE observations	J. Geophys. Res.	123	10.1029/2018JA025865	2018
77	Hori, T., N. Nishitani, S. G. Shepherd, J. M. Ruohoniemi, M. Connors, M. Teramoto, S. Nakano, K. Seki, N. Takahashi, S. Kasahara, S. Yokota, T. Mitani, T. Takashima, N. Higashio, A. Matsuoka, K. Asamura, Y. Kazama, S.-Y. Wang, S. W. Y. Tam, T.-F. Chang, B.-J. Wang, Y. Miyoshi, and I. Shinohara, Substorm-associated ionospheric flow fluctuations during the 27 March 2017 magnetic storm: SuperDARN-Arase conjunction, <i>Geophys. Res. Lett.</i> , 45, doi:10.1029/2018GL079777, 2018.	yes	Hori, T., N. Nishitani, S. G. Shepherd, J. M. Ruohoniemi, M. Connors, M. Teramoto, S. Nakano, K. Seki, N. Takahashi, S. Kasahara, S. Yokota, T. Mitani, T. Takashima, N. Higashio, A. Matsuoka, K. Asamura, Y. Kazama, S.-Y. Wang, S. W. Y. Tam, T.-F. Chang, B.-J. Wang, Y. Miyoshi, and I. Shinohara	Substorm-associated ionospheric flow fluctuations during the 27 March 2017 magnetic storm: SuperDARN-Arase conjunction	Geophys. Res. Lett.	45	10.1029/2018GL079777	2018
78	Hirai A., F. Tsuchiya, T. Obara, Y. Kasaba, Y. Katoh, H. Misawa, K. Shiokawa, Y. Miyoshi, S. Kurita, S. Matsuda, M. Connors, T. Nagatsuma, K. Sakaguchi, Y. Kasahara, A. Kumamoto, A. Matsuoka, M. Shoji, I. Shinohara and J. M. Albert, Temporal and Spatial Correspondence of Pc1/EMIC Waves and Relativistic Electron Precipitations Observed with Ground-Based Multi-Instruments on 27 March 2017, <i>Geophys. Res. Lett.</i> , 45, doi:10.1029/2018GL080126, 2018.	yes	Hirai A., F. Tsuchiya, T. Obara, Y. Kasaba, Y. Katoh, H. Misawa, K. Shiokawa, Y. Miyoshi, S. Kurita, S. Matsuda, M. Connors, T. Nagatsuma, K. Sakaguchi, Y. Kasahara, A. Kumamoto, A. Matsuoka, M. Shoji, I. Shinohara and J. M. Albert	Temporal and Spatial Correspondence of Pc1/EMIC Waves and Relativistic Electron Precipitations Observed with Ground-Based Multi-Instruments on 27 March 2017	Geophys. Res. Lett.	45	10.1029/2018GL080126	2018
79	Fukizawa, M., T. Sakanoi, Y. Miyoshi, K. Hosokawa, K. Shiokawa, Y. Katoh, Y. Kazama, A. Kumamoto, F. Tsuchiya, Y. Miyashita, Y.-M. Tanaka, Y. Kasahara, M. Ozaki, A. Matsuoka, S. Matsuda, M. Hikishima, S. Oyama, Y. Ogawa, S. Kurita, and R. Fujii, Electrostatic electron cyclotron harmonic waves as a candidate to cause pulsating auroras, <i>Geophys. Res. Lett.</i> , 45, doi:10.1029/2018GL080145, 2018.	yes	Fukizawa, M., T. Sakanoi, Y. Miyoshi, K. Hosokawa, K. Shiokawa, Y. Katoh, Y. Kazama, A. Kumamoto, F. Tsuchiya, Y. Miyashita, Y.-M. Tanaka, Y. Kasahara, M. Ozaki, A. Matsuoka, S. Matsuda, M. Hikishima, S. Oyama, Y. Ogawa, S. Kurita, and R. Fujii	Electrostatic electron cyclotron harmonic waves as a candidate to cause pulsating auroras	Geophys. Res. Lett.	45	10.1029/2018GL080145	2018
80	Figueiredo C. A. O. B., H. Takahashi, C. M. Wrasse, Y. Otsuka, K. Shiokawa and D. Barros, Investigation of nighttime MSTIDs observed by optical thermosphere imagers at low latitudes: Morphology, propagation direction, and wind filtering, <i>J. Geophys. Res.</i> , 123, doi:10.1029/2018JA025438, 2018.	yes	Figueiredo C. A. O. B., H. Takahashi, C. M. Wrasse, Y. Otsuka, K. Shiokawa and D. Barros	Investigation of nighttime MSTIDs observed by optical thermosphere imagers at low latitudes: Morphology, propagation direction, and wind filtering	J. Geophys. Res.	123	10.1029/2018JA025438	2018
81	Engebretson, M., J. Posch, D. Braun, W. Li, Q. Ma, A. Kellerman, C.-L. Huang, S. Kanekal, C. Kletzing, J. Wygant, H. Spence, D. Baker, J. Fennell, V. Angelopoulos, H. Singer, M. Lessard, R. Horne, I. Mann, T. Raita, K. Shiokawa, R. Rakhmatulin, E. Dmitriev, and E. Ermakova, EMIC wave events during the four GEM QARBM challenge intervals, <i>J. Geophys. Res.</i> , 123, doi:10.1029/2018JA025505, 2018.	yes	Engebretson, M., J. Posch, D. Braun, W. Li, Q. Ma, A. Kellerman, C.-L. Huang, S. Kanekal, C. Kletzing, J. Wygant, H. Spence, D. Baker, J. Fennell, V. Angelopoulos, H. Singer, M. Lessard, R. Horne, I. Mann, T. Raita, K. Shiokawa, R. Rakhmatulin, E. Dmitriev, and E. Ermakova	EMIC wave events during the four GEM QARBM challenge intervals	J. Geophys. Res.	123	10.1029/2018JA025505	2018
82	Walia, N. K., K. Seki, M. Hoshino, T. Amano, N. Kitamura, Y. Saito, S. Yokota, C. J. Pollock, B. L. Giles, T. E. Moore, R. B. Torbert, C. T. Russell, and J. L. Burch, A statistical study of slow-mode shocks observed by MMS in the dayside magnetopause, <i>Geophys. Res. Lett.</i> , 45, doi:10.1029/2018GL077580, 2018.	yes	Walia, N. K., K. Seki, M. Hoshino, T. Amano, N. Kitamura, Y. Saito, S. Yokota, C. J. Pollock, B. L. Giles, T. E. Moore, R. B. Torbert, C. T. Russell, and J. L. Burch	A statistical study of slow-mode shocks observed by MMS in the dayside magnetopause	Geophys. Res. Lett.	45	10.1029/2018GL077580	2018
83	Mitani, K., K. Seki, K. Keika, M. Gkioulidou, L. J. Lanzerotti, D. G. Mitchell, and C. A. Kletzing, Radial transport of higher-energy oxygen ions into the deep inner magnetosphere observed by Van Allen Probes, <i>Geophys. Res. Lett.</i> , 45, doi:10.1029/2018GL077500, 2018.	yes	Mitani, K., K. Seki, K. Keika, M. Gkioulidou, L. J. Lanzerotti, D. G. Mitchell, and C. A. Kletzing	Radial transport of higher-energy oxygen ions into the deep inner magnetosphere observed by Van Allen Probes	Geophys. Res. Lett.	45	10.1029/2018GL077500	2018
84	Yamamoto, K., S. Oimatsu, M. Nosé, A. Matsuoka, M. Teramoto, and S. Imajo, DC component of spacecraft-origin magnetic field noise at the Arase/MGF sensor: (1) Evaluation with Tsyganenko 89 model, JAXA Research and Development Report, JAXA-RR-18-005E, 18, 10.20637/JAXA-RR-18-005E/0004, 2019	yes	Yamamoto, K., S. Oimatsu, M. Nosé, A. Matsuoka, M. Teramoto, and S. Imajo	DC component of spacecraft-origin magnetic field noise at the Arase/MGF sensor: (1) Evaluation with Tsyganenko 89 model, JAXA Research and Development Report	JAXA Research and Development Report	18	10.20637/JAXA-RR-18-005E/0004	2019
85	Yamakawa, T., K. Seki, T. Amano, N. Takahashi, and Y. Miyoshi, Excitation of storm-time Pc5 ULF waves by ring current ions based on the drift-kinetic simulation, <i>Geophys. Res. Lett.</i> , 46, doi:10.1029/2018GL081573, 2019	yes	Yamakawa, T., K. Seki, T. Amano, N. Takahashi, and Y. Miyoshi	Excitation of storm-time Pc5 ULF waves by ring current ions based on the drift-kinetic simulation	Geophys. Res. Lett.	46	10.1029/2018GL081573	2019
86	Vichare, G., N. Thomas, K. Shiokawa, A. Bhaskar, and A. Kumar Sinha, Spatial gradients in geomagnetic storm-time currents observed by Swarm multi-spacecraft mission, <i>J. Geophys. Res.</i> , 124, doi:10.1029/2018JA025692, 2019.	yes	Vichare, G., N. Thomas, K. Shiokawa, A. Bhaskar, and A. Kumar Sinha	Spatial gradients in geomagnetic storm-time currents observed by Swarm multi-spacecraft mission	J. Geophys. Res.	124	10.1029/2018JA025692	2019
87	Thomas, N., K. Shiokawa, and G. Vichare, Comprehensive study of low-latitude Pi2 pulsations using observations from multi-satellite Swarm mission and global network of ground observatories, <i>J. Geophys. Res.</i> , 124, doi:10.1029/2018JA026094, 2019.	yes	Thomas, N., K. Shiokawa, and G. Vichare	Comprehensive study of low-latitude Pi2 pulsations using observations from multi-satellite Swarm mission and global network of ground observatories	J. Geophys. Res.	124	10.1029/2018JA026094	2019
88	Ozaki M., Y. Miyoshi, K. Shiokawa, K. Hosokawa, S.-I. Oyama, R. Kataoka, Y. Ebihara, Y. Ogawa, Y. Kasahara, S. Yagitani, Y. Kasaba, A. Kumamoto, F. Tsuchiya, S. Matsuda, Y. Katoh, M. Hikishima, S. Kurita, Y. Otsuka, R. C. Moore, Y. Tanaka, M. Nosé, T. Nagatsuma, N. Nishitani, A. Kadokura, M. Connors, T. Inoue, A. Matsuoka, and I. Shinohara, Visualization of rapid electron precipitation via chorus element wave-particle interactions, <i>Nature Communications</i> , 10, doi:10.1038/s41467-018-07996-z, 2019	yes	Ozaki M., Y. Miyoshi, K. Shiokawa, K. Hosokawa, S.-I. Oyama, R. Kataoka, Y. Ebihara, Y. Ogawa, Y. Kasahara, S. Yagitani, Y. Kasaba, A. Kumamoto, F. Tsuchiya, S. Matsuda, Y. Katoh, M. Hikishima, S. Kurita, Y. Otsuka, R. C. Moore, Y. Tanaka, M. Nosé, T. Nagatsuma, N. Nishitani, A. Kadokura, M. Connors, T. Inoue, A. Matsuoka, and I. Shinohara	Visualization of rapid electron precipitation via chorus element wave-particle interactions	Nature Communications	10	10.1038/s41467-018-07996-z	2019

89	Oimatsu, S., K. Yamamoto, M. Nosé, A. Matsuoka, M. Teramoto, and S. Imajo, DC component of spacecraft-origin magnetic field noise at the Arase/MGF sensor: (2) Evaluation with Tsyganenko-Sitnov 04 model. JAXA Research and Development Report, JAXA-RR-18-005E, 18, doi:10.20637/JAXA-RR-18-005E/0005, 2019.	yes	Oimatsu, S., K. Yamamoto, M. Nosé, A. Matsuoka, M. Teramoto, and S. Imajo	DC component of spacecraft-origin magnetic field noise at the Arase/MGF sensor: (2) Evaluation with Tsyganenko-Sitnov 04 model	JAXA Research and Development Report	18	10.20637/JAXA-RR-18-005E/0005	2019
90	Nakagawa, Y., S. Nozawa, and A. Shinbori, Relationship between the low-latitude coronal hole area, solar wind velocity, and geomagnetic activity during solar cycles 23 and 24. Earth, Planets, Space, 71:24, doi:10.1186/s40623-019-1005-y, 2019.	yes	Nakagawa, Y., S. Nozawa, and A. Shinbori	Relationship between the low-latitude coronal hole area, solar wind velocity, and geomagnetic activity during solar cycles 23 and 24	Earth, Planets, Space	71:24	10.1186/s40623-019-1005-y	2019
91	Kawamura, S., K. Hosokawa, S. Kurita, S. Oyama, Y. Miyoshi, Y. Kasahara, M. Ozaki, S. Matsuda, A. Matsuoka, B. Kozelov, Y. Kawamura, and I. Shinohara. Tracking the region of high correlation between pulsating aurora and chorus : simultaneous observations with Arase satellite and ground-based all-sky imager in Russia. J. Geophys. Res., 124, 10.1029/2019JA026496, 2019.	yes	Kawamura, S., K. Hosokawa, S. Kurita, S. Oyama, Y. Miyoshi, Y. Kasahara, M. Ozaki, S. Matsuda, A. Matsuoka, B. Kozelov, Y. Kawamura, and I. Shinohara	Tracking the region of high correlation between pulsating aurora and chorus : simultaneous observations with Arase satellite and ground-based all-sky imager in Russia	J. Geophys. Res.	124	10.1186/s40623-019-1005-y	2019
92	Kataoka, R. T. Nishiyama, Y. Tanaka, A. Kadokura, H. A. Uchida, Y. Ebihara, M. K. Ejiri, Y. Tomikawa, M. Tsutsumi, K. Sato, Y. Miyoshi, K. Shiokawa, S. Kurita, Y. Kasahara, M. Ozaki, K. Hosokawa, S. Matsuda, I. Shinohara, T. Takashima, T. Sato, T. Mitani, T. Hori, and N. Higashio, Transient ionization of the mesosphere during auroral breakup: Arase satellite and ground-based conjugate observations at Syowa Station. Earth Planets Space, 71:9, doi:10.1186/s40623-019-0989-7, 2019.	yes	Nakagawa, Y., S. Nozawa, and A. Shinbori	Relationship between the low-latitude coronal hole area, solar wind velocity, and geomagnetic activity during solar cycles 23 and 24	Earth, Planets, Space	71:9	10.1186/s40623-019-0989-7	2019
93	Huang, F., Y. Otsuka, J. Lei, X. Luan, X. Dou, and G. Li, Daytime periodic wave-like structures in the ionosphere observed at low latitudes over the Asian-Australian sector using total electron content from Beidou geostationary satellites. J. Geophys. Res., 124, doi:10.1029/2018JA026443, 2019.	yes	Huang, F., Y. Otsuka, J. Lei, X. Luan, X. Dou, and G. Li	Daytime periodic wave-like structures in the ionosphere observed at low latitudes over the Asian-Australian sector using total electron content from Beidou geostationary satellites	J. Geophys. Res.	124	10.1029/2018JA026443	2019
94	Chang, T.-Z., C.-Z. Cheng, S. W.-Y. Tam, C.-Y. Chiang, Y. Miyoshi, T. Hori, T. Mitahi, T. Takashima, A. Matsuoka, M. Teramoto, and I. Shinohara, ERG observations of drift echoes during a unique period of the satellite mission. Earth, Planets, Space, 71, doi:10.1186/s40623-019-0999-5, 2019.	yes	Chang, T.-Z., C.-Z. Cheng, S. W.-Y. Tam, C.-Y. Chiang, Y. Miyoshi, T. Hori, T. Mitahi, T. Takashima, A. Matsuoka, M. Teramoto, and I. Shinohara	ERG observations of drift echoes during a unique period of the satellite mission	Earth, Planets, Space	71	10.1186/s40623-019-0999-5	2019
95	Angelopoulos, V., P. Cruce, A. Drozdov, E. W. Grimes, N. Hatzigeorgiu, D. A. King, D. Larson, J. W. Lewis, J. M. McTiernan, D. A. Roberts, C. L. Russell, T. Hori, Y. Kasahara, A. Kumamoto, A. Matsuoka, Y. Miyashita, Y. Miyoshi, I. Shinohara, M. Teramoto, J. B. Faden, A. J. Halford, M. McCarthy, R. M. Millan, J. G. Sample, D. M. Smith, L. A. Woodger, A. Masson, A. A. Narock, K. Asamura, T. F. Chang, C.-Y. Chiang, Y. Kazama, K. Keika, S. Matsuda, T. Segawa, K. Seki, M. Shoji, S. W. Y. Tam, N. Umemura, B.-J. Wang, S.-Y. Wang, R. Redmon, J. V. Rodriguez, H. J. Singer, J. Vandegriff, S. Abe, M. Nosé, A. Shinbori, Y.-M. Tanaka, S. UeNo, L. Andersson, P. Dunn, C. Fowler, J. S. Halekas, T. Hara, Y. Harada, C. O. Lee, R. Lillis, D. L. Mitchell, M. R. Argall, K. Bromund, J. L. Burch, I. J. Cohen, M. Galloy, B. Giles, A. N. Jaynes, O. Le Contel, M. Oka, T. D. Phan, B. M. Walsh, J. Westlake, F. D. Wilder, S. D. Bale, R. Livi, M. Pulupa, P. Whittlesey, A. DeWolfe, B. Harter, E. Lucas, U. Auster, J. W. Bonnell, C. M. Cully, E. Donovan, R. E. Ergun, H. U. Frey, B. Jackel, A. Keiling, H. Korth, J. P. McFadden, Y. Nishimura, F. Plaschke, P. Robert, D. L. Turner, J. M. Weygand, R. M. Candey, R. C. Johnson, T. Kovalick, M. H. Liu, R. E. McGuire, A. Breneman, K. Kersten, and P. Schroeder, The Space Physics Environment Data Analysis System (SPEDAS). Space Sci. Rev., 215, doi:10.1007/s11214-018-0576-4, 2019	yes	Angelopoulos, V., P. Cruce, A. Drozdov, E. W. Grimes, N. Hatzigeorgiu, D. A. King, D. Larson, J. W. Lewis, J. M. McTiernan, D. A. Roberts, C. L. Russell, T. Hori, Y. Kasahara, A. Kumamoto, A. Matsuoka, Y. Miyashita, Y. Miyoshi, I. Shinohara, M. Teramoto, J. B. Faden, A. J. Halford, M. McCarthy, R. M. Millan, J. G. Sample, D. M. Smith, L. A. Woodger, A. Masson, A. A. Narock, K. Asamura, T. F. Chang, C.-Y. Chiang, Y. Kazama, K. Keika, S. Matsuda, T. Segawa, K. Seki, M. Shoji, S. W. Y. Tam, N. Umemura, B.-J. Wang, S.-Y. Wang, R. Redmon, J. V. Rodriguez, H. J. Singer, J. Vandegriff, S. Abe, M. Nosé, A. Shinbori, Y.-M. Tanaka, S. UeNo, L. Andersson, P. Dunn, C. Fowler, J. S. Halekas, T. Hara, Y. Harada, C. O. Lee, R. Lillis, D. L. Mitchell, M. R. Argall, K. Bromund, J. L. Burch, I. J. Cohen, M. Galloy, B. Giles, A. N. Jaynes, O. Le Contel, M. Oka, T. D. Phan, B. M. Walsh, J. Westlake, F. D. Wilder, S. D. Bale, R. Livi, M. Pulupa, P. Whittlesey, A. DeWolfe, B. Harter, E. Lucas, U. Auster, J. W. Bonnell, C. M. Cully, E. Donovan, R. E. Ergun, H. U. Frey, B. Jackel, A. Keiling, H. Korth, J. P. McFadden, Y. Nishimura, F. Plaschke, P. Robert, D. L. Turner, J. M. Weygand, R. M. Candey, R. C. Johnson, T. Kovalick, M. H. Liu, R. E. McGuire, A. Breneman, K. Kersten, and P. Schroeder	The Space Physics Environment Data Analysis System (SPEDAS)	Space Sci. Rev.	215	10.1007/s11214-018-0576-4	2019
96	Mitani, K., K. Seki, K. Keika, M. Gkioulidou, L. J. Lanzerotti, D. G. Mitchell, C. A. Kletzing, A. Yoshikawa, and Y. Obana, Statistical study of selective oxygen increase in high-energy ring current ions during magnetic storms. J. Geophys. Res., 124, doi:10.1029/2018JA026168, 2019.	yes	Mitani, K., K. Seki, K. Keika, M. Gkioulidou, L. J. Lanzerotti, D. G. Mitchell, C. A. Kletzing, A. Yoshikawa, and Y. Obana	Statistical study of selective oxygen increase in high-energy ring current ions during magnetic storms	J. Geophys. Res.	124	10.1029/2018JA026168	2019
97	Nishitani, N. J.M. Ruohoniemi, M. Lester, J.B.H. Baker, A.V. Koustov, S.G. Shepherd, G. Chisham, T. Hori, E.G. Thomas, R.A. Makarevich, A. Marchaudon, P. Ponomarenko, J.A. Wild, S.E. Milan, W.A. Bristow, J. Devlin, E. Miller, R.A. Greenwald, T. Ogawa, and T. Kikuchi, Review of the accomplishments of Mid-latitude Super Dual Auroral Radar Network (SuperDARN) HF Radars, Progress in Earth and Planetary Science, doi:10.1186/s40645-019-0270-5, 6:27, 2019.	yes	Nishitani, N. J.M. Ruohoniemi, M. Lester, J.B.H. Baker, A.V. Koustov, S.G. Shepherd, G. Chisham, T. Hori, E.G. Thomas, R.A. Makarevich, A. Marchaudon, P. Ponomarenko, J.A. Wild, S.E. Milan, W.A. Bristow, J. Devlin, E. Miller, R.A. Greenwald, T. Ogawa, and T. Kikuchi	Review of the accomplishments of the accomplishments of Mid-latitude Super Dual Auroral Radar Network (SuperDARN) HF Radars	Progress in Earth and Planetary Science	6:27	10.1186/s40645-019-0270-5	2019
98	Miyoshi Y., S. Matsuda, S. Kurita, K. Nomura, K. Keika, M. Shoji, N. Kitamura, Y. Kasahara, A. Matsuoka, I. Shinohara, K. Shiokawa, S. Machida, O. Santolik, S. A. Boardsen, R. B. Horne, and J. F. Wygant, EMIC waves converted from equatorial noise due 1 to M/Q=2 ions in the plasmasphere : Observations from Van Allen Probes and Arase. Geophys. Res. Lett., 46, doi:10.1029/2019GL083024, 2019.	yes	Miyoshi Y., S. Matsuda, S. Kurita, K. Nomura, K. Keika, M. Shoji, N. Kitamura, Y. Kasahara, A. Matsuoka, I. Shinohara, K. Shiokawa, S. Machida, O. Santolik, S. A. Boardsen, R. B. Horne, and J. F. Wygant	EMIC waves converted from equatorial noise due 1 to M/Q=2 ions in the plasmasphere : Observations from Van Allen Probes and Arase	Geophys. Res. Lett.	46	10.1029/2019GL083024	2019

99	Obana, Y., N. Maruyama, A. Shinbori, K. K. Hashimoto, M. Fedrizzi, M. Nosé, Y. Otsuka, N. Nishitani, T. Hori, A. Kumamoto, F. Tsuchiya, S. Matsuda, A. Matsuoka, Y. Kasahara, A. Yoshikawa, Y. Miyoshi, and I. Shinohara, Response of the Ionosphere-Plasmasphere Coupling to the September 2017 Storm: What Erodes the Plasmasphere so Severely?, <i>Space Weather</i> , 17, doi:10.1029/2019SW002168, 2019.	yes	Obana, Y., N. Maruyama, A. Shinbori, K. K. Hashimoto, M. Fedrizzi, M. Nosé, Y. Otsuka, N. Nishitani, T. Hori, A. Kumamoto, F. Tsuchiya, S. Matsuda, A. Matsuoka, Y. Kasahara, A. Yoshikawa, Y. Miyoshi, and I. Shinohara	Response of the Ionosphere-Plasmasphere Coupling to the September 2017 Storm: What Erodes the Plasmasphere so Severely?	Space Weather	17	10.1029/2019SW002168	2019
100	Cai, L., S. Oyama, A. Aikio, H. Vanhamäki, and I. Virtanen, Fabry-Perot interferometer observations of thermospheric horizontal winds during magnetospheric substorms, <i>J. Geophys. Res.</i> , 124, doi:10.1029/2018JA026241, 2019.	yes	Cai, L., S. Oyama, A. Aikio, H. Vanhamäki, and I. Virtanen	Fabry-Perot interferometer observations of thermospheric horizontal winds during magnetospheric substorms	J. Geophys. Res.	17	10.1029/2018JA026241	2019
101	Hendry, A. T., O. Santolik, C. A. Kletzing, C. J. Rodger, K. Shiokawa, and D. Baishev, Multi-instrument observation of nonlinear EMIC-driven electron precipitation at sub-MeV energies, <i>Geophys. Res. Lett.</i> , 46, doi:10.1029/2019GL082401, 2019.	yes	Hendry, A. T., O. Santolik, C. A. Kletzing, C. J. Rodger, K. Shiokawa, and D. Baishev	Multi-instrument observation of nonlinear EMIC-driven electron precipitation at sub-MeV energies	Geophys. Res. Lett.	46	10.1029/2019GL082401	2019
102	Imajo, S., M. Nosé, S. Kasahara, S. Yokota, A. Matsuoka, K. Keika, T. Hori, M. Teramoto, K. Yamamoto, S. Oimatsu, R. Nomura, A. Fujimoto, I. Shinohara, and Y. Miyoshi, Meridional distribution of middle-energy protons and pressure-driven currents in the nightside inner magnetosphere: Arase observations, <i>J. Geophys. Res.</i> , 124, doi:10.1029/2019JA026682, 2019.	yes	Imajo, S., M. Nosé, S. Kasahara, S. Yokota, A. Matsuoka, K. Keika, T. Hori, M. Teramoto, K. Yamamoto, S. Oimatsu, R. Nomura, A. Fujimoto, I. Shinohara, and Y. Miyoshi	Meridional distribution of middle-energy protons and pressure-driven currents in the nightside inner magnetosphere: Arase observations	J. Geophys. Res.	124	10.1029/2019JA026682	2019
103	Koval, A., Y. Chen, T. Tsugawa, Y. Otsuka, A. Shinbori, M. Nishioka, A. Brazhenko, A. Stanislavsky, A. Konvalenko, Q.-H. Zhang, C. Monstein, and R. Gorgutsa, Direct Observations of Traveling Ionospheric Disturbances as Focusers of Solar Radiation: Spectral Caustics, <i>Ap. J.</i> , 877:98, doi:10.3847/1538-4357/ab1b52, 2019.	yes	Koval, A., Y. Chen, T. Tsugawa, Y. Otsuka, A. Shinbori, M. Nishioka, A. Brazhenko, A. Stanislavsky, A. Konvalenko, Q.-H. Zhang, C. Monstein, and R. Gorgutsa	Direct Observations of Traveling Ionospheric Disturbances as Focusers of Solar Radiation: Spectral Caustics	Ap. J.	877:98	10.3847/1538-4357/ab1b52	2019
104	Panasenko, S. V., Y. Otsuka, M. van de Kamp, L. F. Chernogor, A. Shinbori, T. Tsugawa, M. Nishioka, Observation and characterization of traveling ionospheric disturbances induced by solar eclipse of 20 March 2015 using incoherent scatter radars and GPS networks, <i>J. Atmos. Sol.-Terr. Phys.</i> , 61, doi: 10.1016/j.jastp.2019.05.015, 2019.	yes	Panasenko, S. V., Y. Otsuka, M. van de Kamp, L. F. Chernogor, A. Shinbori, T. Tsugawa, M. Nishioka	Observation and characterization of traveling ionospheric disturbances induced by solar eclipse of 20 March 2015 using incoherent scatter radars and GPS networks	J. Atmos. Sol.-Terr. Phys.	61	10.1016/j.jastp.2019.05.015	2019
105	Xu, H., K. Shiokawa, S.-I. Oyama, and Y. Otsuka, Thermospheric wind variations observed by a Fabry-Perot interferometer at Tromsø, Norway, at substorm onsets, <i>Earth, Planets Space</i> , 71:93, doi: 10.1186/s40623-019-1072-0, 2019.	yes	Xu, H., K. Shiokawa, S.-I. Oyama, and Y. Otsuka	Thermospheric wind variations observed by a Fabry-Perot interferometer at Tromsø, Norway, at substorm onsets	Earth, Planets Space	71:93	10.1186/s40623-019-1072-0	2019
106	Xu, H., K. Shiokawa, S.-I. Oyama, and S. Nozawa, High-latitude thermospheric wind study using a Fabry-Perot interferometer at Tromsø in Norway: averages and variations during quiet times, <i>Earth, Planets Space</i> , 71:110, doi: 10.1186/s40623-019-1093-8, 2019.	yes	Xu, H., K. Shiokawa, S.-I. Oyama, and S. Nozawa	High-latitude thermospheric wind study using a Fabry-Perot interferometer at Tromsø in Norway: averages and variations during quiet times	Earth, Planets Space	71:110	10.1186/s40623-019-1093-8	2019
107	Goodwin, L. V., Y. Nishimura, Y. Zou, K. Shiokawa, and P. T. Jayachandran, Mesoscale convection structures associated with airglow patches characterized using Cluster-imager conjunctions, <i>J. Geophys. Res.</i> , 124, 7513-7532, doi: 10.1029/2019JA026611, 2019.	yes	Goodwin, L. V., Y. Nishimura, Y. Zou, K. Shiokawa, and P. T. Jayachandran	Mesoscale convection structures associated with airglow patches characterized using Cluster-imager conjunctions	J. Geophys. Res.	124	10.1029/2019JA026611	2019
108	Tanaka, Y.-M., T. Nishiyama, A. Kadokura, M. Ozaki, Y. Miyoshi, K. Shiokawa, S.-I. Oyama, R. Kataoka, M. Tsutsumi, K. Nishimura, K. Sato, Y. Kasahara, A. Kumamoto, F. Tsuchiya, M. Fukizawa, M. Hikishima, S. Matsuda, A. Matsuoka, I. Shinohara, M. Nosé, T. Nagatsuma, M. Shinohara, A. Fujimoto, M. Teramoto, R. Nomura, A. Sessai Yukimatu, K. Hosokawa, M. Shoji, and R. Latteck, Direct comparison between magnetospheric plasma waves and polar mesosphere winter echoes in both hemispheres, <i>J. Geophys. Res.</i> , 124, 9626-9639, doi: 10.1029/2019JA026891, 2019.	yes	Tanaka, Y.-M., T. Nishiyama, A. Kadokura, M. Ozaki, Y. Miyoshi, K. Shiokawa, S.-I. Oyama, R. Kataoka, M. Tsutsumi, K. Nishimura, K. Sato, Y. Kasahara, A. Kumamoto, F. Tsuchiya, M. Fukizawa, M. Hikishima, S. Matsuda, A. Matsuoka, I. Shinohara, M. Nosé, T. Nagatsuma, M. Shinohara, A. Fujimoto, M. Teramoto, R. Nomura, A. Sessai Yukimatu, K. Hosokawa, M. Shoji, and R. Latteck	A. Sessai Yukimatu, K. Hosokawa, M. Shoji, and R. Latteck, Direct comparison between magnetospheric plasma waves and polar mesosphere winter echoes in both hemispheres	J. Geophys. Res.	124	10.1029/2019JA026891	2019
109	Sori, T., A. Shinbori, Y. Otsuka, T. Tsugawa, and M. Nishioka, Characteristics of GNSS total electron content enhancements over the midlatitudes during a geomagnetic storm on 7 and 8 November 2004, <i>J. Geophys. Res.</i> , 124, 10,376-10,394, doi: 10.1029/2019JA026713, 2019.	yes	Sori, T., A. Shinbori, Y. Otsuka, T. Tsugawa	Characteristics of GNSS total electron content enhancements over the midlatitudes during a geomagnetic storm on 7 and 8 November 2004	J. Geophys. Res.	124	10.1029/2019JA026713	2019
110	Shiokawa, K., Y. Otsuka, and M. Connors, Statistical study of auroral/resonant-scattering 427.8-nm emission observed at subauroral latitudes over 14 years, <i>J. Geophys. Res.</i> , 124, 9293-9301, doi: 10.1029/2019JA026704, 2019.	yes	Shiokawa, K., Y. Otsuka, and M. Connors	Statistical study of auroral/resonant-scattering 427.8-nm emission observed at subauroral latitudes over 14 years		124	10.1029/2019JA026704	2019

111	Tsuchiya, S., K. Shiokawa, H. Fujinami, Y. Otsuka, T. Nakamura, M. Connors, I. Schofield, B. Shevtsov, and I. Poddelsky, Three-dimensional Fourier analysis of the phase velocity distributions of mesospheric and ionospheric waves based on airglow images collected over 10 years: Comparison of Magadan, Russia, and Athabasca, Canada, <i>J. Geophys. Res.</i> , 124, 8110–8124, doi: 10.1029/2019JA026783, 2019.	yes	Tsuchiya, S., K. Shiokawa, H. Fujinami, Y. Otsuka, T. Nakamura, M. Connors, I. Schofield, B. Shevtsov, and I. Poddelsky	Three-dimensional Fourier analysis of the phase velocity distributions of mesospheric and ionospheric waves based on airglow images collected over 10 years: Comparison of Magadan, Russia, and Athabasca, Canada	J. Geophys. Res.	124	10.1029/2019JA026783	2019
112	Takeshita, Y., K. Shiokawa, M. Ozaki, J. Manninen, S.-I. Oyama, M. Connors, D. Baishev, V. Kurkin, and A. Oinats, Longitudinal extent of magnetospheric ELF/VLF waves using multipoint PWING ground stations at subauroral latitudes, <i>J. Geophys. Res.</i> , 124, 9881–9892, doi: 10.1029/2019JA026810, 2019.	yes	Takeshita, Y., K. Shiokawa, M. Ozaki, J. Manninen, S.-I. Oyama, M. Connors, D. Baishev, V. Kurkin, and A. Oinats	Longitudinal extent of magnetospheric ELF/VLF waves using multipoint PWING ground stations at subauroral latitudes	J. Geophys. Res.	124	10.1029/2019JA026810	2019
113	Martinez-Calderon, C., Y. Katoh, J. Manninen, Y. Kasahara, S. Matsuda, A. Kumamoto, F. Tsuchiya, A. Matsuoka, Masafumi Shoji, M. Teramoto, I. Shinohara, K. Shiokawa, and Y. Miyoshi, Conjugate observations of dayside and nightside VLF chorus and QP emissions between Arase (ERG) and Kannuslehto, Finland, <i>J. Geophys. Res.</i> , 125, e2019JA026663, doi: 10.1029/2019JA026663, 2020.	yes	Martinez-Calderon, C., Y. Katoh, J. Manninen, Y. Kasahara, S. Matsuda, A. Kumamoto, F. Tsuchiya, A. Matsuoka, Masafumi Shoji, M. Teramoto, I. Shinohara, K. Shiokawa, and Y. Miyoshi	Conjugate observations of dayside and nightside VLF chorus and QP emissions between Arase (ERG) and Kannuslehto, Finland	J. Geophys. Res.	125	10.1029/2019JA026663	2020
114	Kistler, L. M., C. G. Moukik, K. Asamura, S. Yokota, S. Kasahara, Y. Miyoshi, K. Keika, A. Matsuoka, I. Shinohara, T. Hori, N. Kitamura, S. M. Petrinc, I. J. Cohen, and D. C. Delcourt, Cusp and nightside auroral sources of O ⁺ in the plasma sheet, <i>J. Geophys. Res.</i> , 124, 10,036–10,047, doi: 10.1029/2019JA027061, 2019.	yes	Kistler, L. M., C. G. Moukik, K. Asamura, S. Yokota, S. Kasahara, Y. Miyoshi, K. Keika, A. Matsuoka, I. Shinohara, T. Hori, N. Kitamura, S. M. Petrinc, I. J. Cohen, and D. C. Delcourt	Cusp and nightside auroral sources of O ⁺ in the plasma sheet	J. Geophys. Res.	124	10.1029/2019JA027061	2019
115	Kasahara, S., Y. Miyoshi, S. Kurita, S. Yokota, K. Keika, T. Hori, Y. Kasahara, S. Matsuda, A. Kumamoto, A. Matsuoka, K. Seki, and I. Shinohara, Strong diffusion of energetic electrons by equatorial chorus waves in the midnight-to-dawn sector, <i>Geophys. Res. Lett.</i> , 46, 12,685–12,692, doi: 10.1029/2019GL085499, 2019.	yes	Kasahara, S., Y. Miyoshi, S. Kurita, S. Yokota, K. Keika, T. Hori, Y. Kasahara, S. Matsuda, A. Kumamoto, A. Matsuoka, K. Seki, and I. Shinohara	Strong diffusion of energetic electrons by equatorial chorus waves in the midnight-to-dawn sector	Geophys. Res. Lett.	47	10.1029/2019GL085499	2019
116	Teramoto, M., T. Hori, S. Saito, Y. Miyoshi, S. Kurita, N. Higashio, A. Matsuoka, Y. Kasahara, Y. Kasaba, T. Takashima, R. Nomura, M. Nosé, A. Fujimoto, Y.-M. Tanaka, M. Shoji, Y. Tsugawa, M. Shinohara, I. Shinohara, J. B. Blake, J. F. Fennell, S. G. Claudepierre, D. L. Turner, C. A. Kletzing, D. Sormakov, and O. Troshichev, Remote detection of drift resonance between energetic electrons and ultralow frequency waves: Multisatellite coordinated observation by Arase and Van Allen Probes, <i>Geophys. Res. Lett.</i> , 46, doi: 10.1029/2019GL084379, 2019.	yes	Teramoto, M., T. Hori, S. Saito, Y. Miyoshi, S. Kurita, N. Higashio, A. Matsuoka, Y. Kasahara, Y. Kasaba, T. Takashima, R. Nomura, M. Nosé, A. Fujimoto, Y.-M. Tanaka, M. Shoji, Y. Tsugawa, M. Shinohara, I. Shinohara, J. B. Blake, J. F. Fennell, S. G. Claudepierre, D. L. Turner, C. A. Kletzing, D. Sormakov, and O. Troshichev	Remote detection of drift resonance between energetic electrons and ultralow frequency waves: Multisatellite coordinated observation by Arase and Van Allen Probes	Geophys. Res. Lett.	47	10.1029/2019GL084379	2019
117	Kozlovsky, A., S. Shalimov, S. Oyama, K. Hosokawa, M. Lester, Y. Ogawa and C. Hall, Ground Echoes Observed by the Meteor Radar and High-Speed Auroral Observations in the Substorm Growth Phase, <i>J. Geophys. Res.</i> , 124, doi:10.1029/2019JA026829, 2019.	yes	Kozlovsky, A., S. Shalimov, S. Oyama, K. Hosokawa, M. Lester, Y. Ogawa and C. Hall	Ground Echoes Observed by the Meteor Radar and High-Speed Auroral Observations in the Substorm Growth Phase	J. Geophys. Res.	124	10.1029/2019JA026829	2019
118	Balan, N., Qing-He Zhang, Zanyang Xing, R. Skoug, K. Shiokawa, H. Lühr, S. Tulasi Ram, Y. Otsuka, and Lingxin Zhao, Capability of Geomagnetic Storm Parameters to Identify Severe Space Weather, <i>Astrophysical Journal</i> , 887:51, doi:10.3847/1538-4357/ab5113, 2019	yes	Balan, N., Qing-He Zhang, Zanyang Xing, R. Skoug, K. Shiokawa, H. Lühr, S. Tulasi Ram, Y. Otsuka, and Lingxin Zhao	Capability of Geomagnetic Storm Parameters to Identify Severe Space Weather	Astrophysical Journal	887	10.3847/1538-4357/ab5113	2019
119	Harada, Y., S. Ruhunusiri, J. S. Halekas, J. Espley, G. A. DiBraccio, J. P. McFadden, D. L. Mitchell, C. Mazelle, G. Collinson, D. A. Brain, T. Hara, M. Nosé, S. Oimatsu, K. Yamamoto, and B. M. Jakosky, Locally generated ULF waves in the Martian magnetosphere: MAVEN observations, <i>J. Geophys. Res.</i> , 124, doi:10.1029/2019JA027312, 2019.	yes	Harada, Y., S. Ruhunusiri, J. S. Halekas, J. Espley, G. A. DiBraccio, J. P. McFadden, D. L. Mitchell, C. Mazelle, G. Collinson, D. A. Brain, T. Hara, M. Nosé, S. Oimatsu, K. Yamamoto, and B. M. Jakosky	Locally generated ULF waves in the Martian magnetosphere: MAVEN observations	J. Geophys. Res.	124	10.1029/2019JA027312	2019

120	Yamamoto, K., M. Nosé, K. Keika, D. P. Hartley, C. W. Smith, R. J. MacDowall, L. J. Lanzerotti, D. G. Mitchell, H. E. Spence, G. D. Reeves, J. R. Wygant, J. W. Bonnell, and S. Oimatsu, Eastward propagating second harmonic poloidal waves triggered by temporary outward gradient of proton phase space density: Van Allen Probe A observation, <i>J. Geophys. Res.</i> , 124, 9904-9923, doi: 10.1029/2019JA027158, 2019.	yes	Yamamoto, K., M. Nosé, K. Keika, D. P. Hartley, C. W. Smith, R. J. MacDowall, L. J. Lanzerotti, D. G. Mitchell, H. E. Spence, G. D. Reeves, J. R. Wygant, J. W. Bonnell, and S. Oimatsu	Eastward propagating second harmonic poloidal waves triggered by temporary outward gradient of proton phase space density: Van Allen Probe A observation	J. Geophys. Res.	124	10.1029/2019JA027158	2019
121	Balan, N., Q.-H. Zhang, K. Shiokawa, R. Skoug, Z. Xing, S. Tulasi Ram, Y. Otsuka, IpsDst of Dst storms applied to ionosphere-thermosphere storms and low latitude aurora, <i>J. Geophys. Res.</i> , 124, 9552-9565, doi: 10.1029/2019JA027080, 2019.	yes	Balan, N., Q.-H. Zhang, K. Shiokawa, R. Skoug, Z. Xing, S. Tulasi Ram, Y. Otsuka	IpsDst of Dst storms applied to ionosphere-thermosphere storms and low latitude aurora	J. Geophys. Res.	124	10.1029/2019JA027080	2019
122	Tulasi Ram, S., B. Nilam, N. Balan, Q. Zhang, K. Shiokawa, D. Chakrabarty, Z. Xing, K. Venkatesh, B. Veenadhari, and A. Yoshikawa, Three different episodes of prompt equatorial electric field perturbations under steady southward IMF Bz during St. Patrick's Day storm, <i>J. Geophys. Res.</i> , 124, 10,428-10,443, doi:10.1029/2019JA027069, 2019.	yes	Ram, S. Tulasi, B. Nilam, N. Balan, Q. Zhang, K. Shiokawa, D. Chakrabarty, Z. Xing, K. Venkatesh, B. Veenadhari, and A. Yoshikawa	Three different episodes of prompt equatorial electric field perturbations under steady southward IMF Bz during St. Patrick's Day storm	J. Geophys. Res.	124	10.1029/2019JA027069	2019
123	Hasegawa, T., S. Matsuda, A. Kumamoto, F. Tsuchiya, Y. Kasahara, Y. Miyoshi, Y. Kasaba, A. Matsuoka, I. Shinohara, Automatic electron density determination by using a convolutional neural network, <i>IEEE Access</i> , 7, 163,384 - 163,394, doi: 10.1109/ACCESS.2019.2951916, 2019.	yes	Hasegawa, T., S. Matsuda, A. Kumamoto, F. Tsuchiya, Y. Kasahara, Y. Miyoshi, Y. Kasaba, A. Matsuoka, I. Shinohara	Automatic electron density determination by using a convolutional neural network	IEEE Access	7	10.1109/ACCESS.2019.2951916	2019
124	Okoh, D., G. Seemala, B. Rabi, J. B. Habarulema, S. Jin, K. Shiokawa, Y. Otsuka, M. Aggarwal, J. Uwamahoro, P. Mungufeni, B. Segun, A. Obafaye, N. Ellahony, C. Okonkwo, M. Tshishungu, and D. Shetti, A neural network-based ionospheric model over Africa from Constellation Observing System for Meteorology, Ionosphere, and Climate and Ground Global Positioning System observations, <i>J. Geophys. Res.</i> , 124, 10,512-10,532, doi: 10.1029/2019JA027065, 2019.	yes	Okoh, D., G. Seemala, B. Rabi, J. B. Habarulema, S. Jin, K. Shiokawa, Y. Otsuka, M. Aggarwal, J. Uwamahoro, P. Mungufeni, B. Segun, A. Obafaye, N. Ellahony, C. Okonkwo, M. Tshishungu, and D. Shetti	A neural network-based ionospheric model over Africa from Constellation Observing System for Meteorology, Ionosphere, and Climate and Ground Global Positioning System observations	J. Geophys. Res.	124	10.1029/2019JA027065	2019
125	Fukui, K., Y. Miyashita, S. Machida, Y. Miyoshi, A. Ieda, Y. Nishimura, and V. Angelopoulos, A statistical study of near-Earth magnetotail evolution during pseudosubstorms and substorms with THEMIS data, <i>J. Geophys. Res.</i> , 125, e2019JA026642, doi: 10.1029/2019JA026642, 2020.	yes	Fukui, K., Y. Miyashita, S. Machida, Y. Miyoshi, A. Ieda, Y. Nishimura, and V. Angelopoulos	A statistical study of near-Earth magnetotail evolution during pseudosubstorms and substorms with THEMIS data	J. Geophys. Res.	125	10.1029/2019JA026642	2020
126	Zhou, S., K. Shiokawa, I. Poddelsky, Y. Chen, and J. Zhang, Probing afternoon detached aurora and high-latitude trough based on DMSP observations, <i>Adv. Space Res.</i> , 65, 214, 220, doi:10.1016/j.asr.2019.10.003, 2020.	yes	Zhou, S., K. Shiokawa, I. Poddelsky, Y. Chen, and J. Zhang	Probing afternoon detached aurora and high-latitude trough based on DMSP observations	Adv. Space Res.	65	10.1016/j.asr.2019.10.003	2020
127	Liu, N., Z. Su, Z. Gao, H. Zheng, Y. Wang, S. Wang, Y. Miyoshi, I. Shinohara, Y. Kasahara, F. Tsuchiya, A. Kumamoto, S. Matsuda, M. Shoji, T. Mitani, T. Takashima, Y. Kazama, B.-J. Wang, S.-Y. Wang, C.-W. Jun, T.-F. Chang, S. W. Y. Tam, S. Kasahara, S. Yokota, K. Keika, T. Hori, and A. Matsuoka, Comprehensive observations of substorm-enhanced plasmaspheric hiss generation, propagation, and dissipation, <i>Geophys. Res. Lett.</i> , 47, e2019GL086040, doi: 10.1029/2019GL086040, 2020.	yes	Liu, N., Z. Su, Z. Gao, H. Zheng, Y. Wang, S. Wang, Y. Miyoshi, I. Shinohara, Y. Kasahara, F. Tsuchiya, A. Kumamoto, S. Matsuda, M. Shoji, T. Mitani, T. Takashima, Y. Kazama, B.-J. Wang, S.-Y. Wang, C.-W. Jun, T.-F. Chang, S. W. Y. Tam, S. Kasahara, S. Yokota, K. Keika, T. Hori, and A. Matsuoka	Comprehensive observations of substorm-enhanced plasmaspheric hiss generation, propagation, and dissipation	Geophys. Res. Lett.	47	10.1029/2019GL086040	2020
128	Tsuchiya S., K. Shiokawa Kazuo, Y. Otsuka, T. Nakamura, M. Yamamoto Mamoru, M. Connors, I. Schofield, B. Shevtsov, and I. Poddelsky, Wavenumber spectra of atmospheric gravity waves and medium-scale traveling ionospheric disturbances based on more than 10-year airglow images in Japan, Russia, and Canada, <i>J. Geophys. Res.</i> , 125, e2019JA026807, doi: 10.1029/2019JA026807, 2020.	yes	Tsuchiya S., K. Shiokawa Kazuo, Y. Otsuka, T. Nakamura, M. Yamamoto Mamoru, M. Connors, I. Schofield, B. Shevtsov, and I. Poddelsky	Wavenumber spectra of atmospheric gravity waves and medium-scale traveling ionospheric disturbances based on more than 10-year airglow images in Japan, Russia, and Canada	J. Geophys. Res.	125	10.1029/2019JA026807	2020
129	Oimatsu, S., M. Nosé, G. Le, S. A. Fuselier, R. E. Ergun, P.-A. Lindqvist, and D. Sormakov, Selective acceleration of O+ by drift-bounce resonance in the Earth's magnetosphere: MMS observations, <i>J. Geophys. Res.</i> , 125, e2019JA027686, doi: 10.1029/2019JA027686, 2020.	yes	Oimatsu, S., M. Nosé, G. Le, S. A. Fuselier, R. E. Ergun, P.-A. Lindqvist, and D. Sormakov	Selective acceleration of O+ by drift-bounce resonance in the Earth's magnetosphere: MMS observations	J. Geophys. Res.	125	10.1029/2019JA027686	2020

130	Yadav, S., K. Shiokawa, S. Oyama, and Y. Otsuka, Multievent analysis of oscillatory motion of medium-scale traveling ionospheric disturbances observed by a 630nm airglow imager over Tromsø, <i>J. Geophys. Res.</i> , 125, e2019JA027598, doi:10.1029/2019JA027598, 2020.	yes	Yadav, S., K. Shiokawa, S. Oyama, and Y. Otsuka	Multievent analysis of oscillatory motion of medium-scale traveling ionospheric disturbances observed by a 630-nm airglow imager over Tromsø	J. Geophys. Res.	125	10.1029/2019JA027598	2020
131	Nanjo, S., Y. Hozumi, K. Hosokawa, R. Kataoka, Y. Miyoshi, and S.-I. Oyama, Fine-scale visualization of aurora in a wide area using color digital camera images from the International Space Station, <i>J. Geophys. Res.</i> , 125, e2019JA027729, doi:10.1029/2019JA027729, 2020.	yes	Nanjo, S., Y. Hozumi, K. Hosokawa, R. Kataoka, Y. Miyoshi, and S.-I. Oyama	Fine-scale visualization of aurora in a wide area using color digital camera images from the International Space Station	J. Geophys. Res.	125	10.1029/2019JA027729	2020
132	Ogawa, Y., Y. Tanaka, A. Kadokura, K. Hosokawa, Y. Ebihara, T. Motoba, B. Gustavsson, U. Brändström, Y. Sato, S. Oyama, M. Ozaki, T. Raita, F. Sigernes, S. Nozawa, K. Kosch, S. Nozawa, K. Shiokawa, M. Kosch, K. Kauristi, C. Hall, S. Suzuki, Y. Miyoshi, A. Gerrard, H. Miyaoka, and R. Fujii, Development of low-cost multi-wavelength imager system for studies of aurora and airglow, <i>Polar Science</i> , 23, doi:10.1016/j.polar.2019.100501, 2020	yes	Ogawa, Y., Y. Tanaka, A. Kadokura, K. Hosokawa, Y. Ebihara, T. Motoba, B. Gustavsson, U. Brändström, Y. Sato, S. Oyama, M. Ozaki, T. Raita, F. Sigernes, S. Nozawa, K. Kosch, K. Kauristi, C. Hall, S. Suzuki, Y. Miyoshi, A. Gerrard, H. Miyaoka, and R. Fujii	Development of low-cost multi-wavelength imager system for studies of aurora and airglow	Polar Science	23	10.1016/j.polar.2019.100501	2020
133	Nishimura, Y., Lessard, M.R., Katoh, Y., Yoshizumi Miyoshi, Eric Grono, N. Partamies, N. Sivadras, K. Hosokawa, M. Fukizawa, M. Samara, R. G. Michell, R. Kataoka, T. Sakanoi, D. K. Whiter, S. Oyama, Y. Ogawa, and S. Kurita, Diffuse and Pulsating Aurora, <i>Space Sci. Rev.</i> , 216, doi:10.1007/s11214-019-0629-3, 2020	yes	Nishimura, Y., Lessard, M.R., Katoh, Y., Yoshizumi Miyoshi, Eric Grono, N. Partamies, N. Sivadras, K. Hosokawa, M. Fukizawa, M. Samara, R. G. Michell, R. Kataoka, T. Sakanoi, D. K. Whiter, S. Oyama, Y. Ogawa, S. Kurita	Diffuse and Pulsating Aurora	Space Sci Rev	216	10.1007/s11214-019-0629-3	2020
134	Miyashita, Y., K. Seki, K. Sakaguchi, Y. Hiraki, M. Nosé, S. Machida, Y. Saito, and W. Paterson, On the transition between the inner and outer plasma sheet in the Earth's magnetotail, <i>J. Geophys. Res.</i> , 125, doi:10.1029/2019JA027561, 2020	yes	Miyashita, Y., K. Seki, K. Sakaguchi, Y. Hiraki, M. Nosé, S. Machida, Y. Saito, and W. Paterson	On the transition between the inner and outer plasma sheet in the Earth's magnetotail	J. Geophys. Res.	125	10.1029/2019JA027561	2020
135	Kim, H., K. Shiokawa, J. Park, Y. Miyoshi, J. Hwang, and A. Kadokura, Modulation of Pc1 wave ducting by equatorial plasma bubble, <i>Geophys. Res. Lett.</i> , 47, doi:10.1029/2020GL08805, 2020.	yes	Kim, H., K. Shiokawa, J. Park, Y. Miyoshi, J. Hwang, and A. Kadokura	Modulation of Pc1 wave ducting by equatorial plasma bubble	Geophys. Res. Lett.	47	10.1029/2020GL088054	2020
136	Hosokawa, K., Y. Miyoshi, M. Ozaki, S.-I. Oyama, Y. Ogawa, S. Kurita, Y. Kasahara, Y. Kasaba, S. Yagitani, S. Matsuda, F. Tsuchiya, A. Kumamoto, R. Kataoka, K. Shiokawa, T. Raita, E. Turunen, T. Takashima, I. Shinohara, and R. Fujii, Multiple time-scale beats in aurora: precise orchestration via magnetospheric chorus waves, <i>Nature Sci. Rep.</i> , 10, doi:10.1038/s41598-020-59642-8, 2020	yes	Hosokawa, K., Y. Miyoshi, M. Ozaki, S.-I. Oyama, Y. Ogawa, S. Kurita, Y. Kasahara, Y. Kasaba, S. Yagitani, S. Matsuda, F. Tsuchiya, A. Kumamoto, R. Kataoka, K. Shiokawa, T. Raita, E. Turunen, T. Takashima, I. Shinohara, and R. Fujii	Multiple time-scale beats in aurora: precise orchestration via magnetospheric chorus waves	Nature Sci. Rep.	10	10.1038/s41598-020-59642-8	2020
137	Baron, P., Ochiai, S., Dupuy, E., Larsson, R., Liu, H., Manago, N., Murtagh, D., Oyama, S., Sagawa, H., Saito, A., Sakazaki, T., Shiotani, M., and Suzuki, M, Potential for the measurement of MLT wind, temperature, density and geomagnetic field with Superconducting Submillimeter-Wave Limb-Emission Sounder-2 (SMILES-2), <i>Atmos. Meas. Tech. Discuss.</i> , 13, doi:10.5194/amt-2019-217, 2020	yes	Baron, P., Ochiai, S., Dupuy, E., Larsson, R., Liu, H., Manago, N., Murtagh, D., Oyama, S., Sagawa, H., Saito, A., Sakazaki, T., Shiotani, M., and Suzuki, M	Potential for the measurement of MLT wind, temperature, density and geomagnetic field with Superconducting Submillimeter-Wave Limb-Emission Sounder-2 (SMILES-2)	Atmos. Meas. Tech. Discuss.	13	10.5194/amt-2019-217	2020
138	Sarudin, I., N. S. A. Hamid, M. Abdullah, S. M. Buhari, K. Shiokawa, Y. Otsuka, and C. Y. Yatini, Equatorial Plasma Bubble Zonal Drift Velocity Variations in Response to Season, Local Time, and Solar Activity across Southeast Asia, <i>J. Geophys. Res.</i> , 125, doi:10.1029/2019JA027521, 2020	yes	Sarudin, I., N. S. A. Hamid, M. Abdullah, S. M. Buhari, K. Shiokawa, Y. Otsuka, and C. Y. Yatini	Equatorial Plasma Bubble Zonal Drift Velocity Variations in Response to Season, Local Time, and Solar Activity across Southeast Asia	J. Geophys. Res.	125	10.1029/2019JA027521	2020
139	Shinbori, A., Y. Otsuka, T. Sori, T. Tsugawa, and M. Nishioka, Temporal and spatial variations of total electron content enhancements during a geomagnetic storm on 27 and 28 September 2017, <i>J. Geophys. Res.</i> , 125, doi:10.1029/2019JA026873, 2020	yes	Shinbori, A., Y. Otsuka, T. Sori, T. Tsugawa, and M. Nishioka,	Temporal and spatial variations of total electron content enhancements during a geomagnetic storm on 27 and 28 September 2017	J. Geophys. Res.	125	10.1029/2019JA026873	2020
140	Shiokawa, K., M. Nosé, S. Imajo, Y. Tanaka, Y. Miyoshi, K. Hosokawa, M. Connors, M. Engebretson, Y. Kazama, S.-Y. Wang, S. W. Y. Tam, Tzu-Fang Chang, Bo-Jhou Wang, K. Asamura, S. Kasahara, S. Yokota, T. Hori, K. Keika, Y. Kasaba, M. Shoji, Y. Kasahara, A. Matsuoka, and I. Shinohara, Arase observation of the source region of auroral arcs and diffuse auroras in the inner magnetosphere, <i>J. Geophys. Res.</i> , 125, doi:10.1029/2019JA027310, 2020.	yes	Shiokawa, K., M. Nosé, S. Imajo, Y. Tanaka, Y. Miyoshi, K. Hosokawa, M. Connors, M. Engebretson, Y. Kazama, S.-Y. Wang, S. W. Y. Tam, Tzu-Fang Chang, Bo-Jhou Wang, K. Asamura, S. Kasahara, S. Yokota, T. Hori, K. Keika, Y. Kasaba, M. Shoji, Y. Kasahara, A. Matsuoka, and I. Shinohara	Arase observation of the source region of auroral arcs and diffuse auroras in the inner magnetosphere	J. Geophys. Res.	125	10.1029/2019JA027310	2020

141	Kataoka, R., Y. Asaoka, S. Torii, S. Nakahira, H. Ueno, S. Miyake, Y. Miyoshi, S. Kurita, M. Shoji, Y. Kasahara, M. Ozaki, S. Matsuda, A. Matsuoka, Y. Kasaba, I. Shinohara, K. Hosokawa, H. A. Uchida, K. Murase, and Y. Tanaka, Plasma waves causing relativistic electron precipitation events at International Space Station: Lessons from conjunction observations with Arase satellite, <i>J. Geophys. Res.</i> , 125, e2020JA027875, doi:10.1029/2020JA027875, 2020.	yes	Kataoka, R., Y. Asaoka, S. Torii, S. Nakahira, H. Ueno, S. Miyake, Y. Miyoshi, S. Kurita, M. Shoji, Y. Kasahara, M. Ozaki, S. Matsuda, A. Matsuoka, Y. Kasaba, I. Shinohara, K. Hosokawa, H. A. Uchida, K. Murase, and Y. Tanaka	Plasma waves causing relativistic electron precipitation events at International Space Station: Lessons from conjunction observations with Arase satellite	J. Geophys. Res.	125	10.1029/2020JA027875	2020
142	Kawamura, K., K. Hosokawa, S. Nozawa, Y. Ogawa, T. Kawabata, S.-I. Oyama, Y. Miyoshi, S. Kurita, and R. Fujii, Estimation of the emission altitude of pulsating aurora using the five-wavelength photometer, <i>Earth Planets Space</i> 72, 96, doi:10.1186/s40623-020-01229-8, 2020.	yes	Kawamura, K., K. Hosokawa, S. Nozawa, Y. Ogawa, T. Kawabata, S.-I. Oyama, Y. Miyoshi, S. Kurita, and R. Fujii	Estimation of the emission altitude of pulsating aurora using the five-wavelength photometer	Earth Planets Space	72	10.1186/s40623-020-01229-8	2020
143	Martinez-Calderon, C., Y. Katoh, J. Manninen, Y. Kasahara, S. Matsuda, A. Kumamoto, F. Tsuchiya, A. Matsuoka, M. Shoji, M. Teramoto, I. Shinohara, K. Shiokawa, and Y. Miyoshi, Conjugate observations of dayside and nightside VLF chorus and QP emissions between Arase (ERG) and Kannuslehto, Finland, <i>J. Geophys. Res.</i> , 125, e2019JA026663, doi:10.1029/2019JA026663, 2020.	yes	Martinez-Calderon, C., Y. Katoh, J. Manninen, Y. Kasahara, S. Matsuda, A. Kumamoto, F. Tsuchiya, A. Matsuoka, M. Shoji, M. Teramoto, I. Shinohara, K. Shiokawa, and Y. Miyoshi	Conjugate observations of dayside and nightside VLF chorus and QP emissions between Arase (ERG) and Kannuslehto, Finland	J. Geophys. Res.	125	10.1029/2019JA026663	2020
144	Miyoshi, Y., S. Saito, S. Kurita, K. Asamura, K. Hosokawa, T. Sakanoi, T. Mitani, Y. Ogawa, S. Oyama, F. Tsuchiya, S. L. Jones, A. N. Jaynes, and J. B. Blake, Relativistic electron microbursts as high-energy tail of pulsating aurora electrons, <i>Geophys. Res. Lett.</i> , 47, e2020GL090360, doi:10.1029/2020GL090360, 2020	yes	Miyoshi, Y., S. Saito, S. Kurita, K. Asamura, K. Hosokawa, T. Sakanoi, T. Mitani, Y. Ogawa, S. Oyama, F. Tsuchiya, S. L. Jones, A. N. Jaynes, and J. B. Blake	Relativistic electron microbursts as high-energy tail of pulsating aurora electrons	Geophys. Res. Lett.	47	10.1029/2020GL090360	2020
145	Martinez-Calderon, C., F. Němec, Y. Katoh, K. Shiokawa, C. Kletzing, G. Hospodarsky, O. Santolik, Y. Kasahara, S. Matsuda, A. Kumamoto, F. Tsuchiya, A. Matsuoka, M. Shoji, M. Teramoto, S. Kurita, Y. Miyoshi, M. Ozaki, N. Nishitani, A. V. Oinats, and V. I. Kurkin, Spatial extent of quasiperiodic emissions simultaneously observed by Arase and Van Allen Probes on 29 November 2018, <i>J. Geophys. Res.</i> , 125, e2020JA028126, doi:10.1029/2020JA028126, 2020.	yes	Martinez-Calderon, C., F. Němec, Y. Katoh, K. Shiokawa, C. Kletzing, G. Hospodarsky, O. Santolik, Y. Kasahara, S. Matsuda, A. Kumamoto, F. Tsuchiya, A. Matsuoka, M. Shoji, M. Teramoto, S. Kurita, Y. Miyoshi, M. Ozaki, N. Nishitani, A. V. Oinats, and V. I. Kurkin	Spatial extent of quasiperiodic emissions simultaneously observed by Arase and Van Allen Probes on 29 November 2018	J. Geophys. Res.	125	10.1029/2020JA028126	2020
146	Tulasi Ram, S., K. K. Ajith, T. Yokoyama, M. Yamamoto, K. Hozumi, K. Shiokawa, Y. Otsuka, and G. Li, Dilatory and downward development of 3-m scale irregularities in the Funnel-Like region of a rapidly rising equatorial plasma bubble, <i>Geophys. Res. Lett.</i> , 47, e2020GL087256, doi:10.1029/2020GL087256, 2020.	yes	Tulasi Ram, S., K. K. Ajith, T. Yokoyama, M. Yamamoto, K. Hozumi, K. Shiokawa, Y. Otsuka, and G. Li	Dilatory and downward development of 3-m scale irregularities in the Funnel-Like region of a rapidly rising equatorial plasma bubble	Geophys. Res. Lett.	47	10.1029/2020GL087256	2020
147	Uchida, H. A., R. Kataoka, A. Kadokura, K. Murase, A. S. Yukimatu, Y. Miyoshi, K. Shiokawa, Y. Ebihara, K. Hosokawa, A. Matsuoka, S. Kurita, S. Fujita, and I. Shinohara, Asymmetric development of auroral surges in the northern and southern hemispheres, <i>Geophys. Res. Lett.</i> , 47, e2020GL088750, doi:10.1029/2020GL088750, 2020.	yes	Uchida, H. A., R. Kataoka, A. Kadokura, K. Murase, A. S. Yukimatu, Y. Miyoshi, K. Shiokawa, Y. Ebihara, K. Hosokawa, A. Matsuoka, S. Kurita, S. Fujita, and I. Shinohara	Asymmetric development of auroral surges in the northern and southern hemispheres	Geophys. Res. Lett.	47	10.1029/2020GL088750	2020
148	Xu, H., and K. Shiokawa, Severe magnetic fluctuations in the near-earth magnetotail: Spectral analysis and dependence on solar activity, <i>J. Geophys. Res.</i> , 125, e2020JA027834, doi:10.1029/2020JA027834, 2020.	yes	Xu, H., and K. Shiokawa	Severe magnetic fluctuations in the near-earth magnetotail: Spectral analysis and dependence on solar activity	J. Geophys. Res.	125	10.1029/2020JA027834	2020
149	Kim, H., K. Shiokawa, J. Park, Y. Miyoshi, Y. Miyashita, C. Stolle, K.-H. Kim, J. Matzka, S. Buchert, T. Fromm, and J. Hwang, Ionospheric Plasma Density Oscillation Related to EMIC Pc1 Waves, <i>Geophys. Res. Lett.</i> , 47, e2020GL089000, doi:10.1029/2020GL089000, 2020.	yes	Kim, H., K. Shiokawa, J. Park, Y. Miyoshi, Y. Miyashita, C. Stolle, K.-H. Kim, J. Matzka, S. Buchert, T. Fromm, and J. Hwang	Ionospheric Plasma Density Oscillation Related to EMIC Pc1 Waves	Geophys. Res. Lett.	47	10.1029/2020GL089000	2020
150	Hendry, A. T., O. Santolik, Y. Miyoshi, A. Matsuoka, C. J. Rodger, M. A. Clilverd, C. A. Kletzing, M. Shoji, and I. Shinohara, A multi-instrument approach to determining the source-region extent of EEP-driving EMIC waves, <i>Geophys. Res. Lett.</i> , 47, e2019GL086599, doi:10.1029/2019GL086599, 2020.	yes	Hendry, A. T., O. Santolik, Y. Miyoshi, A. Matsuoka, C. J. Rodger, M. A. Clilverd, C. A. Kletzing, M. Shoji, and I. Shinohara	A multi-instrument approach to determining the source-region extent of EEP-driving EMIC waves	Geophys. Res. Lett.	47	10.1029/2019GL086599	2020
151	Wang, Y. B., L. M. Kistler, C. G. Mouikis, J. C. Zhang, J. Y. Lu, D. Welling, L. Rastaetter, S. Bingham, Y. W. Jin, L. Wang, and Y. Miyoshi, Formation of the low-energy "Finger" ion spectral structure near the inner edge of the plasma sheet, <i>Geophys. Res. Lett.</i> , 47, e2020GL089875, doi:10.1029/2020GL089875, 2020.	yes	Wang, Y. B., L. M. Kistler, C. G. Mouikis, J. C. Zhang, J. Y. Lu, D. Welling, L. Rastaetter, S. Bingham, Y. W. Jin, L. Wang, and Y. Miyoshi	Formation of the low-energy "Finger" ion spectral structure near the inner edge of the plasma sheet	Geophys. Res. Lett.	47	10.1029/2020GL089875	2020

152	Oyama, S., A. Shinbori, Y. Ogawa, M. Kellinsalmi, T. Raita, A. Aikio, H. Vanhamäki, K. Shiokawa, I. Virtanen, L. Cai, A. B. Workayehu, M. Pedersen, K. Kauristie, T. T. Tsuda, B. Kozelov, A. Demekhov, A. Yahnin, F. Tsuchiya, A. Kumamoto, Y. Kasahara, A. Matsuoka, M. Shoji, M. Teramoto, and M. Lester, An ephemeral red arc appeared at 68° MLat at a pseudo breakup during geomagnetically quiet conditions, <i>J. Geophys. Res.</i> , 125, e2020JA028468, doi:10.1029/2020JA028468, 2020.	yes	Oyama, S., A. Shinbori, Y. Ogawa, M. Kellinsalmi, T. Raita, A. Aikio, H. Vanhamäki, K. Shiokawa, I. Virtanen, L. Cai, A. B. Workayehu, M. Pedersen, K. Kauristie, T. T. Tsuda, B. Kozelov, A. Demekhov, A. Yahnin, F. Tsuchiya, A. Kumamoto, Y. Kasahara, A. Matsuoka, M. Shoji, M. Teramoto, and M. Lester	An ephemeral red arc appeared at 68° MLat at a pseudo breakup during geomagnetically quiet conditions	J. Geophys. Res.	125	10.1029/2020JA028468	2020
153	Colpitts, C., Y. Miyoshi, Y. Kasahara, G. L. Delzanno, J. R. Wygant, C. A. Cattell, A. Breneman, C. Kletzing, G. Cunningham, M. Hikishima, S. Matsuda, Y. Katoh, J-F. Ripoll, I. Shinohara, and A. Matsuoka, First direct observations of propagation of discrete chorus elements from the equatorial source to higher latitudes, using the Van Allen Probes and Arase satellites, <i>J. Geophys. Res.</i> , 125, e2020JA028315, doi:10.1029/2020JA028315, 2020.	yes	Colpitts, C., Y. Miyoshi, Y. Kasahara, G. L. Delzanno, J. R. Wygant, C. A. Cattell, A. Breneman, C. Kletzing, G. Cunningham, M. Hikishima, S. Matsuda, Y. Katoh, J-F. Ripoll, I. Shinohara, and A. Matsuoka	First direct observations of propagation of discrete chorus elements from the equatorial source to higher latitudes, using the Van Allen Probes and Arase satellites	J. Geophys. Res.	125	10.1029/2020JA028315	2020
154	Sivakandan, M., S. Mondal, S. Sarkhel, D. Chakrabarty, M. V. Sunil Krishna, P. Pavan Chaitanya, A. K. Patra, R. K. Choudhary, T. K. Pant, A. K. Upadhyaya, and T. Sori, Midlatitude spread-F structures over the geomagnetic low-mid latitude transition region: An observational evidence <i>J. Geophys. Res.</i> , 125, e2019JA027531, doi:10.1029/2019JA027531, 2020.	yes	Sivakandan, M., S. Mondal, S. Sarkhel, D. Chakrabarty, M. V. Sunil Krishna, P. Pavan Chaitanya, A. K. Patra, R. K. Choudhary, T. K. Pant, A. K. Upadhyaya, and T. Sori	Mid-latitude spread-F structures over the geomagnetic low-mid latitude transition region: An observational evidence	J. Geophys. Res.	125	10.1029/2019JA027531	2020
155	Case, N. A., D. P. Hartley, A. Grocott, Y. Miyoshi, A. Matsuoka, S. Imajo, S. Kurita, I. Shinohara, and M. Teramoto, Inner magnetospheric response to the IMF By component: Van Allen Probes and Arase observations, <i>J. Geophys. Res.</i> , 126, e2020JA028765, doi:10.1029/2020JA028765, 2021.	yes	Case, N. A., D. P. Hartley, A. Grocott, Y. Miyoshi, A. Matsuoka, S. Imajo, S. Kurita, I. Shinohara, and M. Teramoto	Inner magnetospheric response to the IMF By component: Van Allen Probes and Arase observations	J. Geophys. Res.	126	10.1029/2020JA028765	2021
156	Kumar, S., B. Veenadhari, D. Chakrabarty, S. Tulasi Ram, T. Kikuchi, and Y. Miyoshi, Effects of IMF By on ring current asymmetry under southward IMF Bz conditions observed at ground magnetic stations: case studies, <i>J. Geophys. Res.</i> , 125, e2019JA027493, doi:10.1029/2019JA027493, 2020.	yes	Kumar, S., B. Veenadhari, D. Chakrabarty, S. Tulasi Ram, T. Kikuchi, and Y. Miyoshi	Effects of IMF By on ring current asymmetry under southward IMF Bz conditions observed at ground magnetic stations: case studies	J. Geophys. Res.	125	10.1029/2019JA027493	2020
157	Matsuda, S., T. Hasegawa, A. Kumamoto, F. Tsuchiya, Y. Kasahara, Y. Miyoshi, Y. Kasaba, A. Matsuoka, and I. Shinohara, Detection of UHR frequencies by a convolutional neural network from Arase/PWE data, <i>J. Geophys. Res.</i> , 125, e2020JA028075, doi:10.1029/2020JA028075, 2020.	yes	Matsuda, S., T. Hasegawa, A. Kumamoto, F. Tsuchiya, Y. Kasahara, Y. Miyoshi, Y. Kasaba, A. Matsuoka, and I. Shinohara	Detection of UHR frequencies by a convolutional neural network from Arase/PWE data	J. Geophys. Res.	125	10.1029/2020JA028075	2020
158	Kwona, J.-W., K.-H. Kim, H. Jin, H.-J. Kwon, G. Jee, K. Shiokawa, and M. Connors, Statistical study of EMIC Pc1-Pc2 waves observed at subauroral latitudes, <i>J. Atmos. Sol.-Terr. Phys.</i> , 205, doi:10.1016/j.jastp.2020.105292, 2020.	yes	Kwona, J.-W., K.-H. Kim, H. Jin, H.-J. Kwon, G. Jee, K. Shiokawa, and M. Connors	Statistical study of EMIC Pc1-Pc2 waves observed at subauroral latitudes	J. Atmos. Sol.-Terr. Phys.	205	10.1016/j.jastp.2020.105292	2020
159	Inaba, Y., K. Shiokawa, S.-I. Oyama, Y. Otsuka, A. Oksanen, A. Shinbori, A. Y. Golobolov, Y. Miyoshi, Y. Kazama, S-Yu Wang, S. W. Y. Tam, T.-F. Chang, B.-J. Wang, S. Yokota, S. Kasahara, K. Keika, T. Hori, A. Matsuoka, Y. Kasahara, A. Kumamoto, Y. Kasaba, F. Tsuchiya, M. Shoji, I. Shinohara, and C. Stolle, Plasma and field observations in the magnetospheric source region of a stable auroral red (SAR) arc by the Arase satellite on 28 March 2017, <i>J. Geophys. Res.</i> , 125, e2020JA028068, doi:10.1029/2020JA028068, 2020.	yes	Inaba, Y., K. Shiokawa, S.-I. Oyama, Y. Otsuka, A. Oksanen, A. Shinbori, A. Y. Golobolov, Y. Miyoshi, Y. Kazama, S-Yu Wang, S. W. Y. Tam, T.-F. Chang, B.-J. Wang, S. Yokota, S. Kasahara, K. Keika, T. Hori, A. Matsuoka, Y. Kasahara, A. Kumamoto, Y. Kasaba, F. Tsuchiya, M. Shoji, I. Shinohara, and C. Stolle	Plasma and field observations in the magnetospheric source region of a stable auroral red (SAR) arc by the Arase satellite on 28 March 2017	J. Geophys. Res.	125	10.1029/2020JA028068	2020
160	Nilam, B., S. Tulasi Ram, K. Shiokawa, N. Balan, and Q. Zhang, The solar wind density control on the prompt penetration electric field and equatorial electrojet, <i>J. Geophys. Res.</i> , 125, e2020JA027869, doi:10.1029/2020JA027869, 2020.	yes	Nilam, B., S. Tulasi Ram, K. Shiokawa, N. Balan, and Q. Zhang	The solar wind density control on the prompt penetration electric field and equatorial electrojet	J. Geophys. Res.	125	10.1029/2020JA027869	2020
161	Imajo, S., M. Nosé, M. Aida, N. Higashio, H. Matsumoto, K. Kiyokazu, C. Smith, R. J. MacDowall, and A. Yoshikawa, Evolution of field-aligned current in the meridional plane during substorm: multipoint observations from satellites and ground stations, <i>Earth Planets Space</i> , 72:58, doi:10.1186/s40623-020-01182-6, 2020.	yes	Imajo, S., M. Nosé, M. Aida, N. Higashio, H. Matsumoto, K. Kiyokazu, C. Smith, R. J. MacDowall, and A. Yoshikawa	Evolution of field-aligned current in the meridional plane during substorm: multipoint observations from satellites and ground stations	Earth Planets Space	72:58	10.1186/s40623-020-01182-6	2020
162	St.-Maurice, J. - P., and N. Nishitani, On the origin of faraspect angle irregularity regions seen by HF radars at 100km altitude, <i>J. Geophys. Res.</i> , 125, e2019JA027473, doi:10.1029/2019JA027473, 2020.	yes	St.-Maurice, J.-P., and N. Nishitani	On the origin of far-aspect angle irregularity regions seen by HF radars at 100-km altitude	J. Geophys. Res.	125	10.1029/2019JA027473	2020
163	Kim, G.-J., K.-H. Kim, H.-J. Kwon, K. Shiokawa, K. Takahashi, and J. Hwang, Long-lasting ground-satellite high coherence of compressional dayside Pc3–Pc4 pulsations <i>J. Geophys. Res.</i> , 125, e2020JA028074, doi:10.1029/2020JA028074, 2020.	yes	Kim, G.-J., K.-H. Kim, H.-J. Kwon, K. Shiokawa, K. Takahashi, and J. Hwang	Long-lasting ground-satellite high coherence of compressional dayside Pc3–Pc4 pulsations	J. Geophys. Res.	125	10.1029/2020JA028074	2020

164	Shiokawa, K., M. Nosé, S. Imajo, Y.-M. Tanaka, Y. Miyoshi K. Hosokawa, M. Connors, M. Engebretson, Y. Kazama, S.-Y. Wang, S. W. Y. Tam, Tzu-Fang Chang, B.-J. Wang, K. Asamura, S. Kasahara, S. Yokota, T. Hori, K. Keika, Y. Kasaba, M. Shoji, Y. Kasahara, A. Matsuoka, and I. Shinohara, Arase observation of the source region of auroral arcs and diffuse auroras in the inner magnetosphere, <i>J. Geophys. Res.</i> , 125, e2019JA027310, doi:10.1029/2019JA027310, 2020.	yes	Shiokawa, K., M. Nosé, S. Imajo, Y.-M. Tanaka, Y. Miyoshi, K. Hosokawa, M. Connors, M. Engebretson, Y. Kazama, S.-Y. Wang, S. W. Y. Tam, Tzu-Fang Chang, B.-J. Wang, K. Asamura, S. Kasahara, S. Yokota, T. Hori, K. Keika, Y. Kasaba, M. Shoji, Y. Kasahara, A. Matsuoka, and I. Shinohara	Arase observation of the source region of auroral arcs and diffuse auroras in the inner magnetosphere	J. Geophys. Res.	125	10.1029/2019JA027310	2020
165	Nosé, M., A. Matsuoka, A. Kumamoto, Y. Kasahara, M. Teramoto, S. Kurita, J. Goldstein, L. M. Kistler, S. Singh, A. Gololobov, K. Shiokawa, S. Imajo, S. Oimatsu, K. Yamamoto, Y. Obana, M. Shoji, F. Tsuchiya, I. Shinohara, Y. Miyoshi, W. S. Kurth, C. A. Kletzing, C. W. Smith, R. J. MacDowall, H. Spence, and G. D. Reeves, Oxygen torus and its coincidence with EMIC wave in the deep inner magnetosphere: Van Allen Probe B and Arase observations, <i>Earth Planets Space</i> 72, 111, doi:10.1186/s40623-020-01235-w, 2020.	yes	Nosé, M., A. Matsuoka, A. Kumamoto, Y. Ogawa, Y. Otsuka, K. Shiokawa, C.-H. Lin, Ponomarenko, R. G. Gillies, D. R. Themens, and N. Nishitani, Comparison of SuperDARN peak electron density estimates based on elevation angle measurements to ionosonde and incoherent scatter radar measurements, <i>Earth Planets Space</i> , 72, 43, doi:10.1186/s40623-020-01170-w, 2020.	Oxygen torus and its coincidence with EMIC wave in the deep inner magnetosphere: Van Allen Probe B and Arase observations	Earth Planets Space	72	10.1186/s40623-020-01235-w	2020
166	Hosokawa, K., K. Takami, S. Saito, Y. Ogawa, Y. Otsuka, K. Shiokawa, C.-H. Chen, and C.-H. Lin, Observations of equatorial plasma bubbles using a low-cost 630.0-nm all-sky imager in Ishigaki Island, Japan, <i>Earth Planets Space</i> , 72, 56, doi:10.1186/s40623-020-01187-1, 2020.	yes	Hosokawa, K., K. Takami, S. Saito, Y. Ogawa, Y. Otsuka, K. Shiokawa, C.-H. Chen, and C.-H. Lin	Observations of equatorial plasma bubbles using a low-cost 630.0-nm all-sky imager in Ishigaki Island, Japan	Earth Planets Space	72	10.1186/s40623-020-01187-1	2020
167	Koustov, A. V., S. Ullrich, P. V. Ponomarenko, R. G. Gillies, D. R. Themens, and N. Nishitani, Comparison of SuperDARN peak electron density estimates based on elevation angle measurements to ionosonde and incoherent scatter radar measurements, <i>Earth Planets Space</i> , 72, 43, doi:10.1186/s40623-020-01170-w, 2020.	yes	Koustov, A. V., S. Ullrich, P. V. Ponomarenko, R. G. Gillies, D. R. Themens, and N. Nishitani	Comparison of SuperDARN peak electron density estimates based on elevation angle measurements to ionosonde and incoherent scatter radar measurements	Earth Planets Space	72	10.1186/s40623-020-01170-w	2020
168	Martinez-Calderon, C., Y. Katoh, J. Manninen, O. Santolik, Y. Kasahara, S. Matsuda, A. Kumamoto, F. Tsuchiya, A. Matsuoka, M. Shoji, M. Teramoto, I. Shinohara, K. Shiokawa, and Y. Miyoshi, Multievent study of characteristics and propagation of naturally occurring ELF/VLF waves using high-Latitude ground observations and conjunctions with the Arase satellite, <i>J. Geophys. Res.</i> , 125, e2020JA028682, doi:10.1029/2020JA028682, 2021	yes	C. Martinez-Calderon Y. Katoh J. Manninen O. Santolik Y. Kasahara S. Matsuda A. Kumamoto F. Tsuchiya A. Matsuoka M. Shoji M. Teramoto I. Shinohara K. Shiokawa Y. Miyoshi	Multievent study of characteristics and propagation of naturally occurring ELF/VLF waves using high-Latitude ground observations and conjunctions with the Arase satellite	J. Geophys. Res.	126	10.1029/2020JA028682	2021
169	Kataoka, R., C. C. Chaston, D. Knudsen, K. A. Lynch, R. L. Lysak, Y. Song, R. Rankin, K. Murase, T. Sakanoi, J. Semeter, T.-H. Watanabe, and D. Whiter, Small-Scale Dynamic Aurora, <i>Space Sci. Rev.</i> , 217:17, doi:10.1007/s11214-021-00796-w, 2021.	yes	Kataoka, R., C. C. Chaston, D. Knudsen, K. A. Lynch, R. L. Lysak, Y. Song, R. Rankin, K. Murase, T. Sakanoi, J. Semeter, T.-H. Watanabe, and D. Whiter	Small-Scale Dynamic Aurora	Space Sci. Rev.	217	10.1007/s11214-021-00796-w	2021
170	Imajo, S., Y. Miyoshi, Y. Kazama, K. Asamura, I. Shinohara, K. Shiokawa, Y. Kasahara, Y. Kasaba, A. Matsuoka, S.-Y. Wang, S. W. Y. Tam, T.-F. Chang, B.-J. Wang, V. Angelopoulos, C.-W. Jun, M. Shoji, S. Nakamura, M. Kitahara, M. Teramoto, S. Kurita and T. Hori, Active auroral arc powered by accelerated electrons from very high altitudes, <i>Sci. Rep.</i> , 11, 1610, doi:10.1038/s41598-020-79665-5, 2021.	yes	Imajo, S., Y. Miyoshi, Y. Kazama, K. Asamura, I. Shinohara, K. Shiokawa, Y. Kasahara, Y. Kasaba, A. Matsuoka, S.-Y. Wang, S. W. Y. Tam, T.-F. Chang, B.-J. Wang, V. Angelopoulos, C.-W. Jun, M. Shoji, S. Nakamura, M. Kitahara, M. Teramoto, S. Kurita and T. Hori	Active auroral arc powered by accelerated electrons from very high altitudes	Sci. Rep.	11	10.1038/s41598-020-79665-5	2021
171	Kazama, Y., H. Kojima, Y. Miyoshi, Y. Kasahara, S. Kasahara, H. Usui, B.-J. Wang, S.-Y. Wang, S. W. Y. Tam, T.-F. Chang, K. Asamura, Y. Kasaba, S. Matsuda, M. Shoji, A. Matsuoka, M. Teramoto, T. Takashima, and I. Shinohara, Extremely collimated electron beams in the high latitude magnetosphere observed by Arase, <i>Geophys. Res. Lett.</i> , 126, e2020GL090522, doi:10.1029/2020GL090522, 2021	yes	Kazama, Y., H. Kojima, Y. Miyoshi, Y. Kasahara, S. Kasahara, H. Usui, B.-J. Wang, S.-Y. Wang, S. W. Y. Tam, T.-F. Chang, K. Asamura, Y. Kasaba, S. Matsuda, M. Shoji, A. Matsuoka, M. Teramoto, T. Takashima, and I. Shinohara	Extremely collimated electron beams in the high latitude magnetosphere observed by Arase	Geophys. Res. Lett.	48	10.1029/2020GL090522	2021
172	Capannolo, L., W. Li, H. Spence, A. T. Johnson, M. Shumko, J. Sample, and D. Klumpar, Energetic electron precipitation observed by FIREBIRD-II Potentially driven by EMIC waves: Location, extent, and energy range from a multievent analysis, <i>Geophys. Res. Lett.</i> , 48, e2020GL091564, doi:10.1029/2020GL091564, 2021.	yes	Capannolo, L., W. Li, H. Spence, A. T. Johnson, M. Shumko, J. Sample, and D. Klumpar	Energetic electron precipitation observed by FIREBIRD-II Potentially driven by EMIC waves: Location, extent, and energy range from a multi-event analysis	Geophys. Res. Lett.	48	10.1029/2020GL091564	2021
173	Sugo, S., O. Kawashima, S. Kasahara, K. Asamura, R. Nomura, Y. Miyoshi, Y. Ogawa, K. Hosokawa, T. Mitani, T. Namekawa, T. Sakanoi, M. Fukuzawa, N. Yagi, Y. Fedorenko, A. Nikitenko, S. Yokota, K. Keika, T. Hori, and C. Koehler, Energy-resolved detection of precipitating electrons of 30–100 keV by a sounding rocket associated with dayside chorus waves, <i>J. Geophys. Res.</i> , 126, e2020JA028477, doi:10.1029/2020JA028477, 2021.	yes	Sugo, S., O. Kawashima, S. Kasahara, K. Asamura, R. Nomura, Y. Miyoshi, Y. Ogawa, K. Hosokawa, T. Mitani, T. Namekawa, T. Sakanoi, M. Fukuzawa, N. Yagi, Y. Fedorenko, A. Nikitenko, S. Yokota, K. Keika, T. Hori, and C. Koehler	Energy-resolved detection of precipitating electrons of 30–100 keV by a sounding rocket associated with dayside chorus waves	J. Geophys. Res.	126	10.1029/2020JA028477	2021

174	Otsuka, Y., A. Shinbori, T. Tsugawa, and M. Nishioka, Solar activity dependence of medium-scale traveling ionospheric disturbances using GPS receivers in Japan, <i>Earth Planets Space</i> , 73, 22, doi:10.1186/s40623-020-01353-5, 2021.	yes	Otsuka, Y., A. Shinbori, T. Tsugawa, and M. Nishioka	Solar activity dependence of medium-scale traveling ionospheric disturbances using GPS receivers in Japan	Earth Planets Space	73	10.1186/s40623-020-01353-5	2021
175	Sivakandan, M., Y. Otsuka, P. Ghosh, H. Shinagawa, A. Shinbori, and Y. Miyoshi, Comparison of seasonal and longitudinal variation of daytime MSTID activity using GPS observation and GAIA simulations, <i>Earth Planets Space</i> , 73, 35, doi:10.1186/s40623-021-01369-5, 2021.	yes	Sivakandan, M., Y. Otsuka, P. Ghosh, H. Shinagawa, A. Shinbori, and Y. Miyoshi	Comparison of seasonal and longitudinal variation of daytime MSTID activity using GPS observation and GAIA simulations	Earth Planets Space	73	10.1186/s40623-021-01369-5	2021
176	Thomas, N., K. Shiokawa, Y. Miyoshi, Y. Kasahara, I. Shinohara, A. Kumamoto, F. Tsuchiya, A. Matsuoka, S. Kasahara, S. Yokota, K. Keika, T. Hori, K. Asamura, S.-Y. Wang, Y. Kazama, S. W.-Y. Tam, T.-F. Chang, B.-J. Wang, J. Wygant, A. Breneman, and G. Reeves, Investigation of small-scale electron density irregularities observed by the Arase and Van Allen Probes satellites inside and outside the plasmasphere, <i>J. Geophys. Res.</i> , 126, e2020JA027917, doi:10.1029/2020JA027917, 2021.	yes	Thomas, N., K. Shiokawa, Y. Miyoshi, Y. Kasahara, I. Shinohara, A. Kumamoto, F. Tsuchiya, A. Matsuoka, S. Kasahara, S. Yokota, K. Keika, T. Hori, K. Asamura, S.-Y. Wang, Y. Kazama, S. W.-Y. Tam, T.-F. Chang, B.-J. Wang, J. Wygant, A. Breneman, and G. Reeves	Investigation of small-scale electron density irregularities observed by the Arase and Van Allen Probes satellites inside and outside the plasmasphere	J. Geophys. Res.	126	10.1029/2020JA027917	2021
177	Takeshita, Y., K. Shiokawa, Y. Miyoshi, M. Ozaki, Y. Kasahara, S.-I. Oyama, M. Connors, J. Manninen, V. K. Jordanova, D. Baishev, A. Oinats, and V. Kurkin, Study of spatiotemporal development of global distribution of magnetospheric ELF/VLF waves using groundbased and satellite observations, and RAM-SCB simulations, for the March and November 2017 storms, <i>J. Geophys. Res.</i> , 126, e2020JA028216, doi:10.1029/2020JA028216, 2021.	yes	Takeshita, Y., K. Shiokawa, Y. Miyoshi, M. Ozaki, Y. Kasahara, S.-I. Oyama, M. Connors, J. Manninen, V. K. Jordanova, D. Baishev, A. Oinats, and V. Kurkin	Study of spatiotemporal development of global distribution of magnetospheric ELF/VLF waves using ground-based and satellite observations, and RAM-SCB simulations, for the March and November 2017 storms	J. Geophys. Res.	126	10.1029/2020JA028216	2021
178	Yadav, S., K. Shiokawa, Y. Otsuka, M. Connors, and J.-P. St Maurice, Multi-wavelength imaging observations of STEVE at Athabasca, Canada, <i>J. Geophys. Res.</i> , 126, doi:10.1029/2020JA028622, 2021.	yes	Yadav, S., K. Shiokawa, Y. Otsuka, M. Connors, and J.-P. St Maurice	Multi-wavelength imaging observations of STEVE at Athabasca, Canada	J. Geophys. Res.	126	10.1029/2020JA028622	2021
179	Narayanan, V.L., S. Nozawa, S.-I. Oyama, I. Mann, K. Shiokawa, Y. Otsuka, N. Saito, S. Wada, Takuya, D. Kawahara, and T. Takahashi, Formation of an additional density peak in the bottom side of the sodium layer associated with the passage of multiple mesospheric frontal systems, <i>Atmos. Chem. Phys.</i> , 21, 2343–2361, doi:10.5194/acp-21-2343-2021, 2021.	yes	Narayanan, V.L., S. Nozawa, S.-I. Oyama, I. Mann, K. Shiokawa, Y. Otsuka, N. Saito, S. Wada, Takuya, D. Kawahara, and T. Takahashi	Formation of an additional density peak in the bottom side of the sodium layer associated with the passage of multiple mesospheric frontal systems	Atmos. Chem. Phys.	21	10.5194/acp-21-2343-2021	2021
180	Takahashi, K., L. Turc, E. Kilpua, N. Takahashi, A. Dimmock, P. Kajdic, M. Palmroth, Y. P.-Kempf, J. Soucek, T. Motoba, M. D. Hartinger, A. Artemyev, H. Singer, U. Ganse, and M. Battarbee, Propagation of ultralow-frequency waves from the ion foreshock into the magnetosphere during the passage of a magnetic cloud, <i>J. Geophys. Res.</i> , 126, e2020JA028474, doi:10.1029/2020JA028474, 2021.	yes	Takahashi, K., L. Turc, E. Kilpua, N. Takahashi, A. Dimmock, P. Kajdic, M. Palmroth, Y. P.-Kempf, J. Soucek, T. Motoba, M. D. Hartinger, A. Artemyev, H. Singer, U. Ganse, and M. Battarbee	Propagation of ultralow-frequency waves from the ion foreshock into the magnetosphere during the passage of a magnetic cloud	J. Geophys. Res.	126	10.1029/2020JA028474	2021
181	Wang, Y., Z. Cao, Z.-Y. Xing, Q.-H. Zhang, P. T. Jayachandran, K. Oksavik, N. Balan, and K. Shiokawa, GPS scintillations and TEC variations in association with a polar cap arc, <i>J. Geophys. Res.</i> , 126, e2020JA028968, doi:10.1029/2020JA028968, 2021.	yes	Wang, Y., Z. Cao, Z.-Y. Xing, Q.-H. Zhang, P. T. Jayachandran, K. Oksavik, N. Balan, and K. Shiokawa	GPS scintillations and TEC variations in association with a polar cap arc	J. Geophys. Res.	126	10.1029/2020JA028968	2021
182	Nishitani, N., Y. Hamaguchi, and T. Hori, Development of remote HF wave receiver in the backlobe direction of the SuperDARN Hokkaido East radar: Initial observations, <i>Polar Sci.</i> , doi:10.1016/j.polar.2021.100669, 2021.	yes	Nishitani, N., Y. Hamaguchi, and T. Hori	Development of remote HF wave receiver in the backlobe direction of the SuperDARN Hokkaido East radar: Initial observations	Polar Sci.		10.1016/j.polar.2021.100669	2021
183	Inaba, Y., K. Shiokawa, S.-I. Oyama, Y. Otsuka, M. Connors, I. Schofield, Y. Miyoshi, S. Imajo, A. Shinbori, A. Y. Gololobov, Y. Kazama, S.-Y. Wang, S. W. Y. Tam, T.-F. Chang, B.-J. Wang, K. Asamura, S. Yokota, S. Kasahara, K. Keika, T. Hori, A. Matsuoka, Y. Kasahara, A. Kumamoto, S. Matsuda, Y. Kasaba, F. Tsuchiya, M. Shoji, M. Kitahara, S. Nakamura, I. Shinohara, H. E. Spence, G. D. Reeves, Robert, J. Macdowall, C. W. Smith, J. R. Wygant, and J. W. Bonnell, Multi-event analysis of plasma and field variations in source of stable auroral red (SAR) arcs in inner magnetosphere during non-storm-time substorms, <i>J. Geophys. Res.</i> , 126, e2020JA029081, doi:10.1029/2020JA029081, 2021.	yes	Inaba, Y., K. Shiokawa, S.-I. Oyama, Y. Otsuka, M. Connors, I. Schofield, Y. Miyoshi, S. Imajo, A. Shinbori, A. Y. Gololobov, Y. Kazama, S.-Y. Wang, S. W. Y. Tam, T.-F. Chang, B.-J. Wang, K. Asamura, S. Yokota, S. Kasahara, K. Keika, T. Hori, A. Matsuoka, Y. Kasahara, A. Kumamoto, S. Matsuda, Y. Kasaba, F. Tsuchiya, M. Shoji, M. Kitahara, S. Nakamura, I. Shinohara, H. E. Spence, G. D. Reeves, Robert, J. Macdowall, C. W. Smith, J. R. Wygant, and J. W. Bonnell	Multi-event analysis of plasma and field variations in source of stable auroral red (SAR) arcs in inner magnetosphere during non-storm-time substorms	J. Geophys. Res.	126	10.1029/2020JA029081	2021

184	Sato, N., T. Ogawa, H. Yamagishi, A. S. Yukimatu, N. Nishitani, T. Kikuchi, K. Nozaki, K. Igarashi, and T. Nagatsuma, History of Japanese SuperDARN: Initiation of SENSU Syowa radars and progress of Japanese radar project, <i>Polar Sci.</i> , doi:10.1016/j.polar.2021.100671, 2021.	yes	Sato, N., T. Ogawa, H. Yamagishi, A. S. Yukimatu, N. Nishitani, T. Kikuchi, K. Nozaki, K. Igarashi, and T. Nagatsuma	History of Japanese SuperDARN: Initiation of SENSU Syowa radars and progress of Japanese radar project	Polar Sci.		10.1016/j.polar.2021.100671	2021
185	Hosokawa, K., Y. Miyoshi, S.-I. Oyama, Y. Ogawa, S. Kurita, Y. Kasahara, Y. Kasaba, S. Yagitani, S. Matsuda, M. Ozaki, F. Tsuchiya, A. Kumamoto, T. Takashima, I. Shinohara, and R. Fujii, Over-darkening of pulsating aurora, <i>J. Geophys. Res.</i> , 126, e2020JA028838, doi:10.1029/2020JA028838, 2021.	yes	Hosokawa, K., Y. Miyoshi, S.-I. Oyama, Y. Ogawa, S. Kurita, Y. Kasahara, Y. Kasaba, S. Yagitani, S. Matsuda, M. Ozaki, F. Tsuchiya, A. Kumamoto, T. Takashima, I. Shinohara, and R. Fujii	Over-darkening of pulsating aurora	J. Geophys. Res.	126	10.1029/2020JA028838	2021
186	Nakamura, K., K. Shiokawa, Y. Otsuka, A. Shinbori, Y. Miyoshi, M. Connors, H. Spence, G. Reeves, H. O. Funsten, C. Kletzing, R. MacDowall, C. Smith, J. Wygant, and J. Bonnell, First simultaneous observation of two isolated proton auroras at subauroral latitudes by a highly sensitive all-sky camera and the Van Allen Probes satellite, <i>J. Geophys. Res.</i> , 126, e2020JA029078, doi:10.1029/2020JA029078, 2021.	yes	Nakamura, K., K. Shiokawa, Y. Otsuka, A. Shinbori, Y. Miyoshi, M. Connors, H. Spence, G. Reeves, H. O. Funsten, C. Kletzing, R. MacDowall, C. Smith, J. Wygant, and J. Bonnell	First simultaneous observation of two isolated proton auroras at subauroral latitudes by a highly sensitive all-sky camera and the Van Allen Probes satellite	J. Geophys. Res.	126	10.1029/2020JA029078	2021
187	Shinbori, A., Y. Otsuka, T. Tsugawa, M. Nishioka, A. Kumamoto, F. Tsuchiya, S. Matsuda, Y. Kasahara, and A. Matsuoka, Relationship between the locations of the mid-latitude trough and plasmopause using global GNSS-TEC and Arase satellite observations, <i>J. Geophys. Res.</i> , 126, e2020JA028943, doi:10.1029/2020JA028943, 2021.	yes	Shinbori, A., Y. Otsuka, T. Tsugawa, M. Nishioka, A. Kumamoto, F. Tsuchiya, S. Matsuda, Y. Kasahara, and A. Matsuoka	Relationship between the locations of the mid-latitude trough and plasmopause using global GNSS-TEC and Arase satellite observations	J. Geophys. Res.	126	10.1029/2020JA028943	2021
188	Sori, T., A. Shinbori, Y. Otsuka, T. Tsugawa, and M. Nishioka, Occurrence feature of plasma bubbles in the equatorial to midlatitude ionosphere during geomagnetic storms using long-term GNSS-TEC data, <i>J. Geophys. Res.</i> , 126, e2020JA029010, doi:10.1029/2020JA029010, 2021.	yes	Sori, T., A. Shinbori, Y. Otsuka, T. Tsugawa, and M. Nishioka	Occurrence feature of plasma bubbles in the equatorial to midlatitude ionosphere during geomagnetic storms using long-term GNSS-TEC data	J. Geophys. Res.	126	10.1029/2020JA029010	2021
189	Imajo, S., M. Nosé, M. Aida, H. Matsumoto, N. Higashio, T. Tokunaga, and A. Matsuoka, Signal and noise separation from satellite magnetic field data through independent component analysis: Prospect of magnetic measurements without boom and noise source information, <i>J. Geophys. Res.</i> , 126, e2020JA028790, doi:10.1029/2020JA028790, 2021.	yes	Imajo, S., M. Nosé, M. Aida, H. Matsumoto, N. Higashio, T. Tokunaga, and A. Matsuoka	Signal and noise separation from satellite magnetic field data through independent component analysis: Prospect of magnetic measurements without boom and noise source information	J. Geophys. Res.	126	10.1029/2020JA028790	2021
190	Kumar, S., Y. Miyoshi, V. K. Jordanova, M. Engel, K. Asamura, S. Yokota, S. Kasahara, Y. Kazama, S.-Y. Wang, T. Mitani, K. Keika, T. Hori, C. Jun, and I. Shinohara, Contribution of electron pressure to ring current and ground magnetic depression using RAM-SCB simulations and Arase observations during 7–8 November 2017 magnetic storm, <i>J. Geophys. Res.</i> , 126, e2021JA029109, doi:10.1029/2021JA029109, 2021.	yes	Kumar, S., Y. Miyoshi, V. K. Jordanova, M. Engel, K. Asamura, S. Yokota, S. Kasahara, Y. Kazama, S.-Y. Wang, T. Mitani, K. Keika, T. Hori, C. Jun, and I. Shinohara	Contribution of electron pressure to ring current and ground magnetic depression using RAM-SCB simulations and Arase observations during 7–8 November 2017 magnetic storm	J. Geophys. Res.	126	10.1029/2021JA029109	2021
191	Namekawa, T., T. Mitani, K. Asamura, Y. Miyoshi, K. Hosokawa, Y. Ogawa, S. Saito, T. Hori, S. Sugo, O. Kawashima, S. Kasahara, R. Nomura, N. Yagi, M. Fukizawa, T. Sakanoi, Y. Saito, A. Matsuoka, I. Shinohara, Y. Fedorenko, A. Nikitenko, and C. Koehler, Rocket observation of sub-relativistic electrons in the quiet dayside auroral ionosphere, <i>J. Geophys. Res.</i> , 126, e2020JA028633, doi:10.1029/2020JA028633, 2021.	yes	Namekawa, T., T. Mitani, K. Asamura, Y. Miyoshi, K. Hosokawa, Y. Ogawa, S. Saito, T. Hori, S. Sugo, O. Kawashima, S. Kasahara, R. Nomura, N. Yagi, M. Fukizawa, T. Sakanoi, Y. Saito, A. Matsuoka, I. Shinohara, Y. Fedorenko, A. Nikitenko, and C. Koehler	Rocket observation of sub-relativistic electrons in the quiet dayside auroral ionosphere	J. Geophys. Res.	126	10.1029/2020JA028633	2021
192	Otsuka, Y., Medium-scale traveling ionospheric disturbances, <i>Geophysical Monograph Series "Ionosphere Dynamics and Applications"</i> , edited by C. Huang, G. Lu, Y. Zhang, and L. J. Paxton, doi:10.1002/9781119815617.ch18, 2021.	yes	Otsuka, Y.	Medium-Scale Traveling Ionospheric Disturbances	Geophysical Monograph Series		10.1002/9781119815617.ch18	2021
193	Kim, H., K. Shiokawa, J. Park, Y. Miyoshi, C. Stolle, and S. Buchert, Statistical analysis of Pc1 wave ducting deduced from Swarm satellites, <i>J. Geophys. Res.</i> , 126, e2020JA029016, doi:10.1029/2020JA029016, 2021.	yes	Kim, H., K. Shiokawa, J. Park, Y. Miyoshi, C. Stolle, and S. Buchert	Statistical analysis of Pc1 wave ducting deduced from Swarm satellites	J. Geophys. Res.	126	10.1029/2020JA029016	2021
194	Jun, C.-W., Y. Miyoshi, S. Kurita, C. Yue, J. Bortnik, L. Lyons, S. Nakamura, M. Shoji, S. Imajo, C. Kletzing, Y. Kasahara, Y. Kasaba, S. Matsuda, F. Tsuchiya, A. Kumamoto, A. Matsuoka, and I. Shinohara, The characteristics of EMIC waves in the magnetosphere based on the Van Allen Probes and Arase observations, <i>J. Geophys. Res.</i> , 126, e2020JA029001, doi:10.1029/2020JA029001, 2021.	yes	Jun, C.-W., Y. Miyoshi, S. Kurita, C. Yue, J. Bortnik, L. Lyons, S. Nakamura, M. Shoji, S. Imajo, C. Kletzing, Y. Kasahara, Y. Kasaba, S. Matsuda, F. Tsuchiya, A. Kumamoto, A. Matsuoka, and I. Shinohara	The characteristics of EMIC waves in the magnetosphere based on the Van Allen Probes and Arase observations	J. Geophys. Res.	126	10.1029/2020JA029001	2021

195	Yahnin, A. G., T. A. Popova, A. G. Demekhov, A. A. Lubchich, A. Matsuoka, K. Asamura, Y. Miyoshi, S. Yokota, S. Kasahara, K. Keika, T. Hori, F. Tsuchiya, A. Kumamoto, Y. Kasahara, M. Shoji, Y. Kasaba, S. Nakamura, I. Shinohara, H. Kim, S. Noh, and T. Raita, Evening side EMIC waves and related proton precipitation induced by a substorm, <i>J. Geophys. Res.</i> , 126, e2020JA029091, doi:10.1029/2020JA029091, 2021.	yes	Yahnin, A. G., T. A. Popova, A. G. Demekhov, A. A. Lubchich, A. Matsuoka, K. Asamura, Y. Miyoshi, S. Yokota, S. Kasahara, K. Keika, T. Hori, F. Tsuchiya, A. Kumamoto, Y. Kasahara, M. Shoji, Y. Kasaba, S. Nakamura, I. Shinohara, H. Kim, S. Noh, and T. Raita	Evening side EMIC waves and related proton precipitation induced by a substorm	J. Geophys. Res.	126	10.1029/2020JA029091	2021
196	Miyoshi, Y., K. Hosokawa, S. Kurita, S.-I. Oyama, Y. Ogawa, S. Saito, I. Shinohara, A. Kero, E. Turunen, P. T. Verronen, S. Kasahara, S. Yokota, T. Mitani, T. Takashima, N. Higashio, Y. Kasahara, S. Matsuda, F. Tsuchiya, A. Kumamoto, A. Matsuoka, T. Hori, K. Keika, M. Shoji, M. Teramoto, S. Imajo, C. Jun, and S. Nakamura, Penetration of MeV electrons into the mesosphere accompanying pulsating aurorae, <i>Nature Sci. Rep.</i> , 11:13724, doi:10.1038/s41598-021-92611-3, 2021.	yes	Miyoshi, Y., K. Hosokawa, S. Kurita, S.-I. Oyama, Y. Ogawa, S. Saito, I. Shinohara, A. Kero, E. Turunen, P. T. Verronen, S. Kasahara, S. Yokota, T. Mitani, T. Takashima, N. Higashio, Y. Kasahara, S. Matsuda, F. Tsuchiya, A. Kumamoto, A. Matsuoka, T. Hori, K. Keika, M. Shoji, M. Teramoto, S. Imajo, C. Jun, and S. Nakamura	Penetration of MeV electrons into the mesosphere accompanying pulsating aurorae	Nature Sci. Rep.	11	10.1038/s41598-021-92611-3	2021
197	Kazama, Y., Y. Miyoshi, H. Kojima, Y. Kasahara, S. Kasahara, H. Usui, B.-J. Wang, S.-Y. Wang, S. W. Y. Tam, T. F. Chang, K. Asamura, S. Matsuda, A. Kumamoto, F. Tsuchiya, Y. Kasaba, M. Shoji, A. Matsuoka, M. Teramoto, T. Takashima, and I. Shinohara, Arase observation of simultaneous electron scatterings by upper-band and lower-band chorus emissions, <i>Geophys. Res. Lett.</i> , 48, e2021GL093708, doi:10.1029/2021GL093708, 2021.	yes	Kazama, Y., Y. Miyoshi, H. Kojima, Y. Kasahara, S. Kasahara, H. Usui, B.-J. Wang, S.-Y. Wang, S. W. Y. Tam, T. F. Chang, K. Asamura, S. Matsuda, A. Kumamoto, F. Tsuchiya, Y. Kasaba, M. Shoji, A. Matsuoka, M. Teramoto, T. Takashima, and I. Shinohara	Arase observation of simultaneous electron scatterings by upper-band and lower-band chorus emissions	Geophys. Res. Lett.	48	10.1029/2021GL093708	2021
198	Kim, H., K. Shiokawa, J. Park, Y. Miyoshi, Y. Miyashita, C. Stolle, H. K. Connor, J. Hwang, S. Buchert, H.-J. Kwon, S. Nakamura, K. Nakamura, S.-I. Oyama, Y. Otsuka, T. Nagatsuma, and K. Sakaguchi, Isolated proton aurora driven by EMIC Pc1 wave: PWING, Swarm, and NOAA POES multi-instrument observations, <i>Geophys. Res. Lett.</i> , 48, e2021GL095090, doi:10.1029/2021GL095090, 2021.	yes	Kim, H., K. Shiokawa, J. Park, Y. Miyoshi, Y. Miyashita, C. Stolle, H. K. Connor, J. Hwang, S. Buchert, H.-J. Kwon, S. Nakamura, K. Nakamura, S.-I. Oyama, Y. Otsuka, T. Nagatsuma, and K. Sakaguchi	Isolated proton aurora driven by EMIC Pc1 wave: PWING, Swarm, and NOAA POES multi-instrument observations	Geophys. Res. Lett.	48	10.1029/2021GL095090	2021
199	Santolík, O., Y. Miyoshi, I. Kolmašová, S. Matsuda, G. B. Hospodarsky, D. P. Hartley, Y. Kasahara, H. Kojima, A. Matsuoka, I. Shinohara, W. S. Kurth, and C. A. Kletzing, Inter-calibrated measurements of intense whistlers by Arase and Van Allen Probes, <i>J. Geophys. Res.</i> , 126, e2021JA029700, doi:10.1029/2021JA029700, 2021.	yes	Santolík, O., Y. Miyoshi, I. Kolmašová, S. Matsuda, G. B. Hospodarsky, D. P. Hartley, Y. Kasahara, H. Kojima, A. Matsuoka, I. Shinohara, W. S. Kurth, and C. A. Kletzing	Inter-calibrated measurements of intense whistlers by Arase and Van Allen Probes	J. Geophys. Res.	126	10.1029/2021JA029700	2021
200	Miyamoto, T., S.-I. Oyama, T. Raita, K. Hosokawa, Y. Miyoshi, Y. Ogawa, and S. Kurita, Variations in cosmic noise absorption in association with equatorward development of the pulsating auroral patch: A case study to estimate the energy spectra of auroral precipitating electrons, <i>J. Geophys. Res.</i> , 126, e2021JA029309, doi:10.1029/2021JA029309, 2021.	yes	Miyamoto, T., S.-I. Oyama, T. Raita, K. Hosokawa, Y. Miyoshi, Y. Ogawa, and S. Kurita	Variations in cosmic noise absorption in association with equatorward development of the pulsating auroral patch: A case study to estimate the energy spectra of auroral precipitating electrons	J. Geophys. Res.	126	10.1029/2021JA029309	2021
201	Sivakandan, M., S. Mondal, S. Sarkhel, D. Chakrabarty, M. V. Sunil Krishna, A. K. Upadhyaya, A. Shinbori, T. Sori, S. Kannaujia, and P. K. Champati Ray, Evidence for the in-situ generation of plasma depletion structures over the transition region of geomagnetic low-mid latitude, <i>J. Geophys. Res.</i> , 126, e2020JA028837, doi:10.1029/2020JA028837, 2021.	yes	Sivakandan, M., S. Mondal, S. Sarkhel, D. Chakrabarty, M. V. Sunil Krishna, A. K. Upadhyaya, A. Shinbori, T. Sori, S. Kannaujia, and P. K. Champati Ray	Evidence for the in-situ generation of plasma depletion structures over the transition region of geomagnetic low-mid latitude	J. Geophys. Res.	126	10.1029/2020JA028837	2021
202	Kawai, K., K. Shiokawa, Y. Otsuka, S. Oyama, Y. Kasaba, Y. Kasahara, F. Tsuchiya, A. Kumamoto, S. Nakamura, A. Matsuoka, Y. Kazama, S.-Y. Wang, S. W. Y. Tam, T. F. Chang, B. J. Wang, K. Asamura, S. Kasahara, S. Yokota, K. Keika, T. Hori, Y. Miyoshi, C. Jun, M. Shoji, and I. Shinohara, First simultaneous observation of a night time medium-scale traveling ionospheric disturbance from the ground and a magnetospheric satellite, <i>J. Geophys. Res.</i> , 126, e2020JA029086, doi:10.1029/2020JA029086, 2021.	yes	Kawai, K., K. Shiokawa, Y. Otsuka, S. Oyama, Y. Kasaba, Y. Kasahara, F. Tsuchiya, A. Kumamoto, S. Nakamura, A. Matsuoka, Y. Kazama, S.-Y. Wang, S. W. Y. Tam, T. F. Chang, B. J. Wang, K. Asamura, S. Kasahara, S. Yokota, K. Keika, T. Hori, Y. Miyoshi, C. Jun, M. Shoji, and I. Shinohara	First simultaneous observation of a night time medium-scale traveling ionospheric disturbance from the ground and a magnetospheric satellite	J. Geophys. Res.	126	10.1029/2020JA029086	2021
203	Nosé, M., A. Matsuoka, Y. Miyoshi, K. Asamura, T. Hori, M. Teramoto, I. Shinohara, and M. Hirahara, Field-aligned low-energy O ⁺ flux enhancements in the inner magnetosphere observed by Arase, <i>J. Geophys. Res.</i> , 126, e2021JA029168, doi:10.1029/2021JA029168, 2021.	yes	Nosé, M., A. Matsuoka, Y. Miyoshi, K. Asamura, T. Hori, M. Teramoto, I. Shinohara, and M. Hirahara	Field-aligned low-energy O ⁺ flux enhancements in the inner magnetosphere observed by Arase	J. Geophys. Res.	126	10.1029/2021JA029168	2021
204	Nanjo, S., Y. Hozumi, K. Hosokawa, R. Kataoka, Y. Miyoshi, S.-I. Oyama, M. Ozaki, K. Shiokawa, and S. Kurita, Periodicities and colors of pulsating auroras: DSLR camera observations from the international space station, <i>J. Geophys. Res.</i> , 126, e2021JA029564, doi:10.1029/2021JA029564, 2021.	yes	Nanjo, S., Y. Hozumi, K. Hosokawa, R. Kataoka, Y. Miyoshi, S.-I. Oyama, M. Ozaki, K. Shiokawa, and S. Kurita	Periodicities and colors of pulsating auroras: DSLR camera observations from the international space station	J. Geophys. Res.	126	10.1029/2021JA029564	2021
205	Kawamura, M., T. Sakanoi, M. Fukizawa, Y. Miyoshi, K. Hosokawa, F. Tsuchiya, Y. Katoh, Y. Ogawa, K. Asamura, S. Saito, H. Spence, A. Johnson, S.-I. Oyama, and U. Brändström, Simultaneous pulsating aurora and microburst observations with ground-based fast auroral imagers and cubesat FIREBIRD-II, <i>Geophys. Res. Lett.</i> , 48, e2021GL094494, doi:10.1029/2021GL094494, 2021.	yes	Kawamura, M., T. Sakanoi, M. Fukizawa, Y. Miyoshi, K. Hosokawa, F. Tsuchiya, Y. Katoh, Y. Ogawa, K. Asamura, S. Saito, H. Spence, A. Johnson, S.-I. Oyama, and U. Brändström	Simultaneous pulsating aurora and microburst observations with ground-based fast auroral imagers and cubesat FIREBIRD-II	Geophys. Res. Lett.	48	10.1029/2021GL094494	2021

206	Otsuka, Y., A. Shinbori, T. Sori, T. Tsugawa, M. Nishioka, and J. D. Huba, Plasma depletions lasting into daytime during the recovery phase of a geomagnetic storm in May 2017: Analysis and simulation of GPS total electron content observations, <i>Earth Planet. Phys.</i> , 5, 427-434, doi:10.26464/epp2021046, 2021.	yes	Otsuka, Y., A. Shinbori, T. Sori, T. Tsugawa, M. Nishioka, and J. D. Huba	Plasma depletions lasting into daytime during the recovery phase of a geomagnetic storm in May 2017: Analysis and simulation of GPS total electron content observations	Earth Planet. Phys.	5	10.26464/epp2021046	2021
207	Martinez-Calderon, C., J. K. Manninen, J. T. Manninen, and T. Turunen, A review of unusual VLF bursty-patches observed in Northern Finland for Earth, Planets and Space, 73, 191, doi:10.1186/s40623-021-01516-y, 2021.	yes	Martinez-Calderon, C., J. K. Manninen, J. T. Manninen, and T. Turunen	A review of unusual VLF bursty-patches observed in Northern Finland for Earth, Planets and Space	Earth, Planets, Space	73	10.1186/s40623-021-01516-y	2021
208	Yadav, S., K. Shiokawa, S. Oyama, Y. Inaba, N. Takahashi, K. Seki, K. Keika, Tzu-Fang Chang, S. W. Y. Tam, B.-J. Wang, Y. Kazama, S.-Y. Wang, K. Asamura, S. Kasahara, S. Yokota, and T. Hori, Study of an equatorward detachment of auroral arc from the oval using ground-space observations and the BATS-R-US-CIMI model, <i>J. Geophys. Res.</i> , 126, e2020JA029080, doi:10.1029/2020JA029080, 2021.	yes	Yadav, S., K. Shiokawa, S. Oyama, Y. Inaba, N. Takahashi, K. Seki, K. Keika, Tzu-Fang Chang, S. W. Y. Tam, B.-J. Wang, Y. Kazama, S.-Y. Wang, K. Asamura, S. Kasahara, S. Yokota, and T. Hori	Study of an equatorward detachment of auroral arc from the oval using ground-space observations and the BATS-R-US-CIMI model	J. Geophys. Res.	126	10.1029/2020JA029080	2021
209	Díaz Peña, J., J. Semeter, Y. Nishimura, R. Varney, A. Reimer, M. Hairston, M. Zettergren, M. Hirsch, O. Verkhoglyadova, K. Hosokawa, and K. Shiokawa, Auroral heating of plasma patches due to high-latitude reconnection, <i>J. Geophys. Res.</i> , 126, e2021JA029657, doi:10.1029/2021JA029657, 2021.	yes	Díaz Peña, J., J. Semeter, Y. Nishimura, R. Varney, A. Reimer, M. Hairston, M. Zettergren, M. Hirsch, O. Verkhoglyadova, K. Hosokawa, and K. Shiokawa	Auroral heating of plasma patches due to high-latitude reconnection	J. Geophys. Res.	126	10.1029/2021JA029657	2021
210	Takahashi, N., K. Seki, M.-C. Fok, Y. Zheng, Y. Miyoshi, S. Kasahara, K. Keika, D. Hartley, Y. Kasahara, Y. Kasaba, N. Higashio, A. Matsuoka, S. Yokota, T. Hori, M. Shoji, S. Nakamura, S. Imajo, and I. Shinohara, Relative contribution of ULF waves and whistler-mode chorus to the radiation belt variation during the May 2017 storm, <i>J. Geophys. Res.</i> , 126, e2020JA028972, doi:10.1029/2020JA028972, 2021.	yes	Takahashi, N., K. Seki, M.-C. Fok, Y. Zheng, Y. Miyoshi, S. Kasahara, K. Keika, D. Hartley, Y. Kasahara, Y. Kasaba, N. Higashio, A. Matsuoka, S. Yokota, T. Hori, M. Shoji, S. Nakamura, S. Imajo, and I. Shinohara	Relative contribution of ULF waves and whistler-mode chorus to the radiation belt variation during the May 2017 storm	J. Geophys. Res.	126	10.1029/2020JA028972	2021
211	Kajdić, P., Y. Pfau-Kempf, L. Turc, A. P. Dimmock, M. Palmroth, K. Takahashi, E. Kilpua, J. Soucek, N. Takahashi, L. Preisser, X. Blanco-Cano, D. Trotta, and D. Burgess, ULF wave transmission across collisionless shocks: 2.5D local hybrid simulations, <i>J. Geophys. Res.</i> , 126, e2021JA029283, doi:10.1029/2021JA029283, 2021.	yes	Kajdić, P., Y. Pfau-Kempf, L. Turc, A. P. Dimmock, M. Palmroth, K. Takahashi, E. Kilpua, J. Soucek, N. Takahashi, L. Preisser, X. Blanco-Cano, D. Trotta, and D. Burgess	ULF wave transmission across collisionless shocks: 2.5D local hybrid simulations	J. Geophys. Res.	126	10.1029/2021JA029283	2021
212	Peña, J. D., J. Semeter, Y. Nishimura, R. Varney, A. Reimer, M. Hairston, M. Zettergren, M. Hirsch, O. Verkhoglyadova, K. Hosokawa, and K. Shiokawa, Auroral heating of plasma patches due to high-latitude reconnection, <i>J. Geophys. Res.</i> , 126, e2021JA029657, doi:10.1029/2021JA029657, 2021.	yes	Peña, J. D., J. Semeter, Y. Nishimura, R. Varney, A. Reimer, M. Hairston, M. Zettergren, M. Hirsch, O. Verkhoglyadova, K. Hosokawa, and K. Shiokawa	Auroral heating of plasma patches due to high-latitude reconnection	J. Geophys. Res.	126	10.1029/2021JA029657	2021
213	Safargaleev, V., T. Sergienko, K. Hosokawa, S.-I. Oyama, Y. Ogawa, Y. Miyoshi, S. Kurita, and R. Fujii, Altitude of pulsating arcs as inferred from tomographic measurements, <i>Earth Planets Space</i> , 74, 31, doi:10.1186/s40623-022-01592-8, 2022.	yes	Safargaleev, V., T. Sergienko, K. Hosokawa, S.-I. Oyama, Y. Ogawa, Y. Miyoshi, S. Kurita, and R. Fujii	Altitude of pulsating arcs as inferred from tomographic measurements	Earth Planets Space	74	10.1186/s40623-022-01592-8	2022
214	Nakamura, S., Y. Miyoshi, K. Shiokawa, Y. Omura, T. Mitani, T. Takashima, N. Higashio, I. Shinohara, T. Hori, S. Imajo, A. Matsuoka, F. Tsuchiya, A. Kumamoto, Y. Kasahara, M. Shoji, H. Spence, and V. Angelopoulos, Simultaneous observations of EMIC-induced drifting electron holes (EDEHs) in the Earth's radiation belt by the Arase satellite, Van Allen Probes, and THEMIS, <i>Geophys. Res. Lett.</i> , 49, e2021GL095194, doi:10.1029/2021GL095194, 2022.	yes	Nakamura, S., Y. Miyoshi, K. Shiokawa, Y. Omura, T. Mitani, T. Takashima, N. Higashio, I. Shinohara, T. Hori, S. Imajo, A. Matsuoka, F. Tsuchiya, A. Kumamoto, Y. Kasahara, M. Shoji, H. Spence, and V. Angelopoulos	Simultaneous observations of EMIC-induced drifting electron holes (EDEHs) in the Earth's radiation belt by the Arase satellite, Van Allen Probes, and THEMIS	Geophys. Res. Lett.	49	10.1029/2021GL095194	2022
215	Yamamoto, K., K. Seki, A. Matsuoka, S. Imajo, M. Teramoto, M. Kitahara, Y. Kasahara, A. Kumamoto, F. Tsuchiya, M. Shoji, S. Nakamura, Y. Miyoshi, and I. Shinohara, A statistical study of the solar wind dependence of multi-harmonic toroidal ULF waves observed by the Arase satellite, <i>J. Geophys. Res.</i> , 127, e2021JA029840, doi:10.1029/2021JA029840, 2022.	yes	Yamamoto, K., K. Seki, A. Matsuoka, S. Imajo, M. Teramoto, M. Kitahara, Y. Kasahara, A. Kumamoto, F. Tsuchiya, M. Shoji, S. Nakamura, Y. Miyoshi, and I. Shinohara	A statistical study of the solar wind dependence of multi-harmonic toroidal ULF waves observed by the Arase satellite	J. Geophys. Res.	127	10.1029/2021JA029840	2022
216	Shinbori, A., Y. Otsuka, T. Sori, T. Tsugawa, and M. Nishioka, Statistical behavior of large-scale ionospheric disturbances from high latitudes to mid-latitudes during geomagnetic storms using 20-yr GNSS-TEC data: Dependence on season and storm Intensity, <i>J. Geophys. Res.</i> , 127, e2021JA029687, doi:10.1029/2021JA029687, 2022.	yes	Shinbori, A., Y. Otsuka, T. Sori, T. Tsugawa, and M. Nishioka	Statistical behavior of large-scale ionospheric disturbances from high latitudes to mid-latitudes during geomagnetic storms using 20-yr GNSS-TEC data: Dependence on season and storm Intensity	J. Geophys. Res.	127	10.1029/2021JA029687	2022
217	Teramoto, M., Y. Miyoshi, A. Matsuoka, Y. Kasahara, A. Kumamoto, F. Tsuchiya, M. Nosé, S. Imajo, M. Shoji, S. Nakamura, M. Kitahara, and I. Shinohara, Off-equatorial Pi2 pulsations inside and outside the plasmopause observed by the Arase satellite, <i>J. Geophys. Res.</i> , 127, e2021JA029677, doi:10.1029/2021JA029677, 2022.	yes	Teramoto, M., Y. Miyoshi, A. Matsuoka, Y. Kasahara, A. Kumamoto, F. Tsuchiya, M. Nosé, S. Imajo, M. Shoji, S. Nakamura, M. Kitahara, and I. Shinohara	Off-equatorial Pi2 pulsations inside and outside the plasmopause observed by the Arase satellite	J. Geophys. Res.	127	10.1029/2021JA029677	2022

218	Imajo, S., Y. Miyoshi, K. Asamura, I. Shinohara, M. Nosé, K. Shiokawa, Y. Kasahara, Y. Kasaba, A. Matsuoka, S. Kasahara, S. Yokota, K. Keika, T. Hori, M. Shoji, S. Nakamura, and M. Teramoto, Signatures of auroral potential structure extending through the near-equatorial inner magnetosphere, <i>Geophys. Res. Lett.</i> , 49, e2022GL098105, doi:10.1029/2022GL098105, 2022.	yes	Imajo, S., Y. Miyoshi, K. Asamura, I. Shinohara, M. Nosé, K. Shiokawa, Y. Kasahara, Y. Kasaba, A. Matsuoka, S. Kasahara, S. Yokota, K. Keika, T. Hori, M. Shoji, S. Nakamura, and M. Teramoto	Signatures of auroral potential structure extending through the near-equatorial inner magnetosphere	Geophys. Res. Lett.	49	10.1029/2022GL098105	2022
219	Ponomarenko, P. V., E. C. Bland, K. A. McWilliams, and N. Nishitani, On the noise estimation in Super Dual Auroral Radar Network data, <i>Radio Sci.</i> , 57, e2022RS007449, doi:10.1029/2022RS007449, 2022.	yes	Ponomarenko, P. V., E. C. Bland, K. A. McWilliams, and N. Nishitani	On the noise estimation in Super Dual Auroral Radar Network data	Radio Sci.	57	10.1029/2022RS007449	2022
220	Murase, K., R. Kataoka, T. Nishiyama, K. Nishimura, T. Hashimoto, Y. Tanaka, A. Kadokura, Y. Tomikawa, M. Tsutsumi, Y. Ogawa, H. A. Uchida, K. Sato, S. Kasahara, T. Mitani, S. Yokota, T. Hori, K. Keika, T. Takashima, Y. Kasahara, S. Matsuda, M. Shoji, A. Matsuoka, I. Shinohara, Y. Miyoshi, T. Sato, Y. Ebihara, and T. Tanaka, Mesospheric ionization during substorm growth phase, <i>J. Space Weather Space Clim.</i> , 12, 18, doi:10.1051/swsc/2022012, 2022.	yes	Murase, K., R. Kataoka, T. Nishiyama, K. Nishimura, T. Hashimoto, Y. Tanaka, A. Kadokura, Y. Tomikawa, M. Tsutsumi, Y. Ogawa, H. A. Uchida, K. Sato, S. Kasahara, T. Mitani, S. Yokota, T. Hori, K. Keika, T. Takashima, Y. Kasahara, S. Matsuda, M. Shoji, A. Matsuoka, I. Shinohara, Y. Miyoshi, T. Sato, Y. Ebihara, and T. Tanaka	Mesospheric ionization during substorm growth phase	J. Space Weather Space Clim.	12	10.1051/swsc/2022012	2022
221	McCollough, J. P., Y. Miyoshi, G. P. Ginat, W. R. Johnston, Y.-J. Su, M. J. Starks, Y. Kasahara, H. Kojima, S. Matsuda, I. Shinohara, P. Song, B. W. Reinisch, I. A. Galkin, U. S. Inan, D. S. Lauben, I. Linscott, A. G. Ling, S. Allgeier, R. Lambour, J. Schoenberg, W. Gillespie, S. Stelmash, K. Roche, A. J. Sinclair, J. C. Sanchez, G. F. Pedinotti, and J. T. Langhals, Space-to-space very low frequency radio transmission in the magnetosphere using the DSX and Arase satellites, <i>Earth Planets Space</i> , 74, 64, doi:10.1186/s40623-022-01605-6, 2022.	yes	McCollough, J. P., Y. Miyoshi, G. P. Ginat, W. R. Johnston, Y.-J. Su, M. J. Starks, Y. Kasahara, H. Kojima, S. Matsuda, I. Shinohara, P. Song, B. W. Reinisch, I. A. Galkin, U. S. Inan, D. S. Lauben, I. Linscott, A. G. Ling, S. Allgeier, R. Lambour, J. Schoenberg, W. Gillespie, S. Stelmash, K. Roche, A. J. Sinclair, J. C. Sanchez, G. F. Pedinotti, and J. T. Langhals	Space-to-space very low frequency radio transmission in the magnetosphere using the DSX and Arase satellites	Earth Planets Space	74	10.1186/s40623-022-01605-6	2022
222	Hazeyama, W., N. Nishitani, T. Hori, T. Nakamura, and S. Perwitasari, Statistical study of seasonal and solar activity dependence of nighttime MSTIDs occurrence using the SuperDARN Hokkaido pair of radars, <i>J. Geophys. Res.</i> , 127, e2021JA029965, doi:10.1029/2021JA029965, 2022.	yes	Hazeyama, W., N. Nishitani, T. Hori, T. Nakamura, and S. Perwitasari	Statistical study of seasonal and solar activity dependence of nighttime MSTIDs occurrence using the SuperDARN Hokkaido pair of radars	J. Geophys. Res.	127	10.1029/2021JA029965	2022
223	Yu, Y., K. Hosokawa, B. Ni, V. K. Jordanova, Y. Miyoshi, J. Cao, X. Tian, and L. Ma, On the importance of using event-specific wave diffusion rates in modeling diffuse electron precipitation, <i>J. Geophys. Res.</i> , 127, e2021JA029918, doi:10.1029/2021JA029918, 2022.	yes	Yu, Y., K. Hosokawa, B. Ni, V. K. Jordanova, Y. Miyoshi, J. Cao, X. Tian, and L. Ma	On the importance of using event-specific wave diffusion rates in modeling diffuse electron precipitation	J. Geophys. Res.	127	10.1029/2021JA029918	2022
224	Nosé, M., A. Matsuoka, Y. Miyoshi, K. Asamura, T. Hori, M. Teramoto, I. Shinohara, M. Hirahara, C. A. Kletzing, C. W. Smith, R. J. MacDowall, H. E. Spence, G. D. Reeves, and J. W. Gjerloev, Flux enhancements of field-aligned low-energy O ⁺ ion (FALEO) in the inner magnetosphere: A possible source of warm plasma cloak and oxygen torus, <i>J. Geophys. Res.</i> , 127, e2021JA030008, doi:10.1029/2021JA030008, 2022.	yes	Nosé, M., A. Matsuoka, Y. Miyoshi, K. Asamura, T. Hori, M. Teramoto, I. Shinohara, M. Hirahara, C. A. Kletzing, C. W. Smith, R. J. MacDowall, H. E. Spence, G. D. Reeves, and J. W. Gjerloev	Flux enhancements of field-aligned low-energy O ⁺ ion (FALEO) in the inner magnetosphere: A possible source of warm plasma cloak and oxygen torus	J. Geophys. Res.	127	10.1029/2021JA030008	2022
225	Shinbori, A., Y. Otsuka, T. Sori, M. Nishioka, S. Perwitasari, T. Tsuda, and N. Nishitani, Electromagnetic conjugacy of ionospheric disturbances after the 2022 Hunga Tonga-Hunga Ha'apai volcanic eruption as seen in GNSS-TEC and SuperDARN Hokkaido pair of radars observations, <i>Earth Planets Space</i> , 74, 2022 (in press).	yes	Shinbori, A., Y. Otsuka, T. Sori, M. Nishioka, S. Perwitasari, T. Tsuda, and N. Nishitani	Electromagnetic conjugacy of ionospheric disturbances after the 2022 Hunga Tonga-Hunga Ha'apai volcanic eruption as seen in GNSS-TEC and SuperDARN Hokkaido pair of radars observations	Earth Planets Space	74		2022
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