number	Full Reference	authors (less than 320 caracters)	title (less than 400 characters)	journal name (less than 200 characters)	volume	doi (less than 160 characters)	published year	first and last page	refereed journal	international coauthorship	open access
number	Full Reference	著者名 全角160文字	論文標題 全角200文字 （半角400文字）	雑誌名 全角100文字 （半角200文字）	巻 30文字	DOI １６０文字 半角英数字	発行年 4桁 半角数字	最初と最後の頁 15文字	査読の有無 1桁 半角数字 1：有	国際共著 1桁 半角数字 1：有	オープンアクセス 1桁 半角数字 1：有
1	Oyama, S., Hosokawa, K., Vanhamäki,H., Aikio, A., Sakanoi, T., Cai, L., et al. (2023). IMF dependence of midnight bifurcation in the thermospheric wind at an auroral latitude based on nine winter measurements in Tromsø, Norway. Geophysical Research Letters, 50, https://doi.org/10.1029/2023GL104334	Oyama, S., Hosokawa, K., Vanhamäki,H., Aikio, A., Sakanoi, T., Cai, L., et al.	IMF dependence of midnight bifurcation in the thermospheric wind at an auroral latitude based on nine winter measurements in Tromsoe, Norway	Geophysical Research Letters	50	10.1029/2023GL104334	2023		1	1	1
2	Otsuka, Y., Abadi, P., Hozumi, K., and Almahi, A. (2023). Equinoctial asymmetry of plasma bubble occurrence and electric field at evening: GPS and ionosonde measurements in Southeast Asia. Journal of Atmospheric and Solar-Terrestrial Physics, 252, https://doi.org/10.1016/j.jastp.2023.106136	Otsuka, Y., Abadi, P., Hozumi, K., and Almahi, A.	Equinoctial asymmetry of plasma bubble occurrence and electric field at evening: GPS and ionosonde measurements in Southeast Asia	Journal of Atmospheric and Solar-Terrestrial Physics	252	10.1016/j.jastp.2023.106136	2023		1	1	1
3	Jaen, J., T. Renkwitz, Huixin Liu(*), C. Jacobi, R. Wing, A. Kuchar, M. Tsutsumi, N. Gulbradsen, J. L. Chau. (2023). Long-term studies of the summer wind in the mesosphere and lower thermosphere at middle and high latitudes over Europe. Atmospheric Chemistry and Physics, 23, https://doi.org/10.5194/acp-23-14871-2023	Juliana Jaen, Toralf Renkwitz, Huixin Liu, Christoph Jacobi, Robin Wing, Aleš Kuchař, Masaki Tsutsumi, Njål Gulbrandsen, and Jorge L. Chau	Long-term studies of the summer wind in the mesosphere and lower thermosphere at middle and high latitudes over Europe	Atmospheric Chemistry and Physics	23	10.5194/acp-23-14871-2023	2023		1	1	1
4	Abadi, P., Ali Ahmad, U., Otsuka, Y. et al. (2023). Assessing the potential of ionosonde for forecasting post-sunset equatorial spread F: an observational experiment in Southeast Asia. Earth Planets Space, 75, https://doi.org/10.1186/s40623-023-01941-1	Prayitno Abadi, Umar Ali Ahmad, Yuichi Otsuka, Punyawi Jamjareegulgarn, Alif Almahi, Septi Perwitasari, Slamet Supriadi, Wendi Harjupa & Reza Rendian Septiawan	Assessing the potential of ionosonde for forecasting post-sunset equatorial spread F: an observational experiment in Southeast Asia	Earth, Planets and Space	75	10.1186/s40623-023-01941-1	2023		1	1	1
5	Tsuboi, T., K. Shiokawa, Y. Otsuka, H. Fujinami, and T. Nakamura. (2023). Statistical Analysis of the Horizontal Phase Velocity Distribution of Atmospheric Gravity Waves and Medium-Scale Traveling Ionospheric Disturbances in Airglow Images over Sata (31.0oN, 130.7oE). J. Geophys. Res., 128, https://doi.org/10.1029/2023JA031600	Tsuboi, T., K. Shiokawa, Y. Otsuka, H. Fujinami, T. Nakamura, and D. Neudegg	Statistical Analysis of the Horizontal Phase Velocity Distribution of Atmospheric Gravity Waves and Medium-Scale Traveling Ionospheric Disturbances in Airglow Images	Journal of Geophysical Research	128	10.1029/2022JA030769	2023		1	1	1
6	Surkov V.V., V. A. Pilipenko, and K. Shiokawa. (2023). Geomagnetic effect of the atmospheric acoustic resonance excited by earthquakes and volcano eruptions. J. Geophys. Res., 128, https://doi.org/10.1029/2023JA031872	Surkov V.V., V. A. Pilipenko, and K. Shiokawa	Geomagnetic effect of the atmospheric acoustic resonance excited by earthquakes and volcano eruptions	Journal of Geophysical Research	128	10.1029/2023JA031872	2023		1	1	1
7	Chen, L., K. Shiokawa, Y. Miyoshi, S. Oyama, C-W. Jun, Y. Ogawa, K. Hosokawa, Y. Kazama, S. Y. Wang, S. W. Y. Tam, T. F. Chang, B. J. Wang, K. Asamura, S. Kasahara, S. Yokota, T. Hori, K. Keika, Y. Kasaba, A. Kumamoto, F. Tsuchiya, M. Shoji, Y. Kasahara, A. Matsuoka, I. Shinohara, S. Nakamura (2023). Correspondence of Pi2 pulsations, aurora luminosity, and plasma flux fluctuation near a substorm brightening aurora: Arase observations. J. Geophys. Res., 128, https://doi.org/10.1029/2023JA031648	Chen, L., K. Shiokawa, Y. Miyoshi, S. Oyama, C-W. Jun, Y. Ogawa, K. Hosokawa, Y. Kazama, S. Y. Wang, S. W. Y. Tam, T. F. Chang, B. J. Wang, K. Asamura, S. Kasahara, S. Yokota, T. Hori, K. Keika, Y. Kasaba, A. Kumamoto, F. Tsuchiya, M. Shoji, Y. Kasahara, A. Matsuoka, I. Shinohara, S. Nakamura	Correspondence of Pi2 pulsations, aurora luminosity, and plasma flux fluctuation near a substorm brightening aurora: Arase observations	Journal of Geophysical Research	128	10.1029/2023JA031648	2023		1	1	1
8	Eriksen, N. K., D. A. Lorentzen, K. Oksavik, L. Baddeley, K. Hosokawa, K. Shiokawa, E. Bland, L. Paxton, Y. Zhang, K. McWilliams, T. Yeoman, and D. R. Themens. (2023). On the Creation, Depletion, and End of Life of Polar Cap Patches. J. Geophys. Res., 128, https://doi.org/10.1029/2023JA031739	Eriksen, N. K., D. A. Lorentzen, K. Oksavik, L. Baddeley, K. Hosokawa, K. Shiokawa, E. Bland, L. Paxton, Y. Zhang, K. McWilliams, T. Yeoman, and D. R. Themens	On the Creation, Depletion, and End of Life of Polar Cap Patches	Journal of Geophysical Research	128	10.1029/2023JA031739	2023		1	1	1
9	Tsuboi, T., K. Shiokawa, Y. Otsuka, H. Fujinami, and T. Nakamura (2023). Statistical Analysis of the Horizontal Phase Velocity Distribution of Atmospheric Gravity Waves and Medium-Scale Traveling Ionospheric Disturbances in Airglow Images over Sata (31.0oN, 130.7oE), Japan. J. Geophys. Res., 128, https://doi.org/10.1029/2023JA031600	Tsuboi, T., K. Shiokawa, Y. Otsuka, H. Fujinami, and T. Nakamura	Statistical Analysis of the Horizontal Phase Velocity Distribution of Atmospheric Gravity Waves and Medium-Scale Traveling Ionospheric Disturbances in Airglow Images over Sata (31.0oN, 130.7oE), Japan	Journal of Geophysical Research	128	10.1029/2023JA031600	2023		1		1
10	Kato, Y., K. Shiokawa, Y. Tanaka, M. Ozaki, A. Kadokura, S. Oyama, A. Oinats, M. Connors, and D. G. Baishev. (2023). Longitudinal development of cosmic noise absorption based on multipoint observations at subauroral latitudes during storm-time substorms on August 25-28, 2018. J. Geophys. Res., 128, https://doi.org/10.1029/2023JA031950	Kato, Y., K. Shiokawa, Y. Tanaka, M. Ozaki, A. Kadokura, S. Oyama, A. Oinats, M. Connors, and D. G. Baishev	Longitudinal development of cosmic noise absorption based on multipoint observations at subauroral latitudes during storm-time substorms on August 25-28, 2018	Journal of Geophysical Research	128	10.1029/2023JA031950	2023		1	1	1
11	Kistler, L. M., K. Asamura, S. Kasahara, Y. Miyoshi, C. G. Mouikis, K. Keika, S. M. Petrinec, M. L. Stevens, T. Hori, S. Yokota, and I. Shinohara. (2023). The variable source of the plasma sheet during a geomagnetic storm. Nature Communications, 14, https://doi.org/10.1038/s41467-023-41735-3	Kistler, L. M., K. Asamura, S. Kasahara, Y. Miyoshi, C. G. Mouikis, K. Keika, S. M. Petrinec, M. L. Stevens, T. Hori, S. Yokota, and I. Shinohara	The variable source of the plasma sheet during a geomagnetic storm	Nature Communications	14	10.1038/s41467-023-41735-3	2023		1	1	1
12	Jiang, C., L. Wei, T. Yokoyama, R. Tian, T. Liu, and G. Yang. (2023). Modeling of Multi-Ion Plasma Bubbles in the Equatorial Ionosphere. J. Geophys. Res. Space Physics, 128, https://doi.org/10.1029/2023JA031753, 2023	Jiang, C., L. Wei, T. Yokoyama, R. Tian, T. Liu, and G. Yang	Modeling of Multi-Ion Plasma Bubbles in the Equatorial Ionosphere	J. Geophys. Res. Space Physics	128	10.1029/2023JA031753	2023		1	1	
13	Rino, C., T. Yokoyama, and C. Carrano. (2023). A three-dimensional stochastic structure model derived from high-resolution isolated equatorial plasma bubble simulations. Earth, Planets and Space, 75, https://doi.org/10.1186/s40623-023-01823-6	Rino, C., T. Yokoyama, and C. Carrano	A three-dimensional stochastic structure model derived from high-resolution isolated equatorial plasma bubble simulations	Earth, Planets and Space	75	10.1186/s40623-023-01823-6	2023		1	1	
14	Fu, W., T. Yokoyama, N. Ssessanga, G, Ma, and M. Yamamoto (2023). Nighttime Midlatitude E-F Coupling in Geomagnetic Conjugate Ionospheres: A Double Thin Shell Model and a Multi-Source Data Investigation. J. Geophys. Res. Space Physics, 123, https://doi.org/10.1029/2022JA031074	Fu, W., T. Yokoyama, N. Ssessanga, G, Ma, and M. Yamamoto	Nighttime Midlatitude E-F Coupling in Geomagnetic Conjugate Ionospheres: A Double Thin Shell Model and a Multi-Source Data Investigation	J. Geophys. Res. Space Physics	123	10.1029/2022JA031074	2023		1	1	1
15	K. M. Girgis, T. Hada, S. Matsukiyo and A. Yoshikawa. (2023). Radiation Analysis of LEO Mission in the South Atlantic Anomaly During Geomagnetic Storm. IEEE Journal of Radio Frequency Identification, 6, https://doi.org/10.1109/JRFID.2022.3163441	K. M. Girgis, T. Hada, S. Matsukiyo and A. Yoshikawa	Radiation Analysis of LEO Mission in the South Atlantic Anomaly During Geomagnetic Storm	IEEE Journal of Radio Frequency Identification	6	10.1109/JRFID.2022.3163441	2023		1	1	1
16	Girgis, K. M., Hada, T., Yoshikawa, A., Matsukiyo, S., Pierrard, V., & Samwel, S. W. (2023). Geomagnetic storm effects on the LEO proton flux during solar energetic particle events. Space Weather, 21, https://doi.org/10.1029/2023SW003664	Girgis, K. M., Hada, T., Yoshikawa, A., Matsukiyo, S., Pierrard, V., & Samwel, S. W.	Geomagnetic storm effects on the LEO proton flux during solar energetic particle events	Space Weather	21	10.1029/2023SW003664	2023		1	1	1
17	Stephen Omondi, Akimasa Yoshikawa, Waheed K. Zahra, Ibrahim Fathy, Ayman Mahrous (2023). Automatic detection of auroral Pc5 geomagnetic pulsation using machine learning approach guided with discrete wavelet transform. Advances in Space Research, 72, https://doi.org/10.1016/j.asr.2022.06.063	Stephen Omondi, Akimasa Yoshikawa, Waheed K. Zahra, Ibrahim Fathy, Ayman Mahrous	Automatic detection of auroral Pc5 geomagnetic pulsation using machine learning approach guided with discrete wavelet transform	Advances in Space Research	72	10.1016/j.asr.2022.06.063	2023		1	1	1

18	Nakamura, Y., Terada, K., Tao, C., Terada, N., Kasaba, Y., Leblanc, F., Yoshikawa, A., et al. (2023). Simulation of dawn-to-dusk electric field in the Jovian inner magnetosphere via Region 2-like field-aligned current. Journal of Geophysical Research, 76, https://doi.org/10.1029/2022JA031248	Nakamura, Y., Terada, K., Tao, C., Terada, N., Kasaba, Y., Leblanc, F., Yoshikawa, A., et al.	Simulation of dawn-to-dusk electric field in the Jovian inner magnetosphere via Region 2-like field-aligned current	Journal of Geophysical Research	128	10.1029/2022JA031248	2023		1	1	1
19	Jordanova, V. K., S. K. Morley, M. A. Engel, H. C. Godinez, K. Yakymenko, M. G. Henderson, Y. Yu, and Y. Miyoshi (2023). The RAM-SCB model and its applications to advance space weather forecasting. Advances in Space Research, 72, https://doi.org/10.1016/j.asr.2022.08.077	Jordanova, V. K., S. K. Morley, M. A. Engel, H. C. Godinez, K. Yakymenko, M. G. Henderson, Y. Yu, and Y. Miyoshi	The RAM-SCB model and its applications to advance space weather forecasting	Advances in Space Research	72	10.1016/j.asr.2022.08.077	2023		1	1	1
20	Tu, J. , P. Song, I. Galkin, B. Reinisch, W. Johnston, M. Starks, Y. Su, D. Cooke, G. Ginet, U. Inan, D. Lauben, Y. Miyoshi, S. Matsuda, Y. Kasahara, H. Kojima, I. Shinohara (2023). Whistler Mode Transmission Experiments in the Radiation Belts: DSX TNT Circuit Simulation and Data Analysis. J. Geophys. Res., 128, https://doi.org/10.1029/2022JA030564	Tu, J. , P. Song, I. Galkin, B. Reinisch, W. Johnston, M. Starks, Y. Su, D. Cooke, G. Ginet, U. Inan, D. Lauben, Y. Miyoshi, S. Matsuda, Y. Kasahara, H. Kojima, I. Shinohara	Whistler Mode Transmission Experiments in the Radiation Belts: DSX TNT Circuit Simulation and Data Analysis	J. Geophys. Res.	128	10.1029/2022JA030564	2023		1	1	1
21	Kawai, K., K. Shiokawa, Y. Otsuka, S. Oyama, M. G. Connors, Y. Kasahara, Y. Kasaba, S. Nakamura, F. Tsuchiya, A. Kumamoto, A. Shinbori, A. Matsuoka, I. Shinohara, and Y. Miyoshi (2023). Multi-event analysis of magnetosphere-ionosphere coupling of nighttime medium-scale traveling ionospheric disturbances from the ground and the Arase satellite. J. Geophys. Res., 128, https://doi.org/10.1029/2022JA030542	Kawai, K., K. Shiokawa, Y. Otsuka, S. Oyama, M. G. Connors, Y. Kasahara, Y. Kasaba, S. Nakamura, F. Tsuchiya, A. Kumamoto, A. Shinbori, A. Matsuoka, I. Shinohara, and Y. Miyoshi	Multi-event analysis of magnetosphere-ionosphere coupling of nighttime medium-scale traveling ionospheric disturbances from the ground and the Arase satellite	J. Geophys. Res.	128	10.1029/2022JA030542	2023		1	1	1
22	Tian, X., Y. Yu, F. Gong, L. Ma, J. Cao, S. C. Solomon, P. R. Shreedevi, K. Shiokawa, Y. Otsuka, S-I. Oyama, and Y. Miyoshi (2023). Ionospheric modulation by EMIC wave driven proton precipitation: observations and simulations. J. Geophys. Res., 128, https://doi.org/10.1029/2022JA030983	Tian, X., Y. Yu, F. Gong, L. Ma, J. Cao, S. C. Solomon, P. R. Shreedevi, K. Shiokawa, Y. Otsuka, S-I. Oyama, and Y. Miyoshi	Ionospheric modulation by EMIC wave driven proton precipitation: observations and simulations	J. Geophys. Res.	128	10.1029/2022JA030983	2023		1	1	1
23	Putri, D.P.S., Y. Kasahara, M. Ota, S. Matsuda, F. Tsuchiya, A. Kumamoto, A. Matsuoka, and Y. Miyoshi (2023). A Proposal for Modification of Plasmaspheric Electron Density Profiles Using Characteristics of Lightning Whistlers. Remote Sens., 15, https://doi.org/10.3390/rs15051306	Putri, D.P.S., Y. Kasahara, M. Ota, S. Matsuda, F. Tsuchiya, A. Kumamoto, A. Matsuoka, and Y. Miyoshi	A Proposal for Modification of Plasmaspheric Electron Density Profiles Using Characteristics of Lightning Whistlers	Remote Sens.	15	10.3390/rs15051306	2023		1	1	1
24	Miyoshi, Y., Y. Katoh, S. Saito, T. Mitani, and T. Takashima (2023). Space Radiation. In: Kusano, K. (eds) Solar-Terrestrial Environmental Prediction. Springer, Singapore. https://doi.org/10.1007/978-981-19-7765-7_5	Miyoshi, Y., Y. Katoh, S. Saito, T. Mitani, and T. Takashima	Space Radiation	Springer, Singapore		10.1007/978-981-19-7765-7_5	2023		1		
25	Xia, Z. , L. Chen, W. Gu, R. Horne, Y. Miyoshi, Y. Kasahara, A. Kumamoto, F. Tsuchiya, S. Nakamura, M. Kitahara (2023). Latitudinal dependence of ground VLF transmitter wave power in the inner magnetosphere. Front. Astron. Space Sci., 10, https://doi.org/10.3389/fspas.2023.1135509	Xia, Z. , L. Chen, W. Gu, R. Horne, Y. Miyoshi, Y. Kasahara, A. Kumamoto, F. Tsuchiya, S. Nakamura, M. Kitahara	Latitudinal dependence of ground VLF transmitter wave power in the inner magnetosphere	Front. Astron. Space Sci.	10	10.3389/fspas.2023.1135509	2023		1	1	1
26	Sugo, S. , S. Kasahara, Y. Miyoshi, Y. Katoh, K. Keika, S. Yokota, T. Hori, Y. Kasahara, S. Matsuda, A. Matsuoka, I. Shinohara, F. Tsuchiya, A. Kumamoto, S. Nakamura, M. Kitahara (2023). Direct Observations of Energetic Electron Scattering and Precipitation Due To Whistler Mode Waves in the Dayside High Density Regions. J. Geophys. Res., 128, https://doi.org/10.1029/2022JA030992	Sugo, S. , S. Kasahara, Y. Miyoshi, Y. Katoh, K. Keika, S. Yokota, T. Hori, Y. Kasahara, S. Matsuda, A. Matsuoka, I. Shinohara, F. Tsuchiya, A. Kumamoto, S. Nakamura, M. Kitahara	Direct Observations of Energetic Electron Scattering and Precipitation Due To Whistler Mode Waves in the Dayside High Density Regions	J. Geophys. Res.	128	10.1029/2022JA030992	2023		1	1	1
27	Hartley, D. , G. Cunningham, J. Ripoll, D. Malaspina, Y. Kasahara, Y. Miyoshi, S. Matsuda, S. Nakamura, F. Tsuchiya, M. Kitahara, A. Kumamoto, I. Shinohara, A. Matsuoka (2023). Using Van Allen Probes and Arase Observations to Develop an Empirical Plasma Density Model in the Inner Zone. J. Geophys. Res., 128, https://doi.org/10.1029/2022JA031012	Hartley, D. , G. Cunningham, J. Ripoll, D. Malaspina, Y. Kasahara, Y. Miyoshi, S. Matsuda, S. Nakamura, F. Tsuchiya, M. Kitahara, A. Kumamoto, I. Shinohara, A. Matsuoka	Using Van Allen Probes and Arase Observations to Develop an Empirical Plasma Density Model in the Inner Zone	J. Geophys. Res.	128	10.1029/2022JA031012	2023		1	1	1
28	Taki, T., S. Kurita, A. Shinjo, S. Nakamura, H. Kojima, Y. Kasahara, S. Matsuda, A. Matsuoka, Y. Miyoshi, and I. Shinohara (2023). Phase difference of Electron Cyclotron Harmonic (ECH) waves observed by the interferometry observation mode of the Arase satellite. URSI Radil Sci. Letter, 4, https://doi.org/10.46620/22-0046	Taki, T., S. Kurita, A. Shinjo, S. Nakamura, H. Kojima, Y. Kasahara, S. Matsuda, A. Matsuoka, Y. Miyoshi, and I. Shinohara	Phase difference of Electron Cyclotron Harmonic (ECH) waves observed by the interferometry observation mode of the Arase satellite	URSI Radil Sci. Letter	4	10.46620/22-0046	2023		1		1
29	Rubtsov, A. V., M. Nose, A. Matsuoka, Y. Kasahara, A. Kumamoto, F. Tsuchiya, I. Shinohara, and Y. Miyoshi (2023). Alfvén velocity sudden increase as an indicator of the plasmapause. J. Atm. Solar-Terr. Phys., 245, https://doi.org/10.1016/j.jastp.2023.106040	Rubtsov, A. V., M. Nose, A. Matsuoka, Y. Kasahara, A. Kumamoto, F. Tsuchiya, I. Shinohara, and Y. Miyoshi	Alfvén velocity sudden increase as an indicator of the plasmapause	J. Atm. Solar-Terr. Phys.	245	10.1016/j.jastp.2023.106040	2023		1	1	1
30	Shinbori, A., T. Sori, Y. Otsuka, M. Nishioka, S. Perwitasari, T. Tsuda, A. Kumamoto, F. Tsuchiya, S. Matsuda, Y. Kasahara, A. Matsuoka, S. Nakamura, Y. Miyoshi, and I. Shinohara (2023). Generation of equatorial plasma bubble after the 2022 Tonga volcanic eruption. Scientific Reports, 13, https://doi.org/10.1038/s41598-023-33603-3	Shinbori, A., T. Sori, Y. Otsuka, M. Nishioka, S. Perwitasari, T. Tsuda, A. Kumamoto, F. Tsuchiya, S. Matsuda, Y. Kasahara, A. Matsuoka, S. Nakamura, Y. Miyoshi, and I. Shinohara	Generation of equatorial plasma bubble after the 2022 Tonga volcanic eruption	Scientific Reports	13	10.1038/s41598-023-33603-3	2023		1	1	1
31	Tanaka, K., H. Oya, F. Tsuchiya, K. Nozaki, M. Teramoto, K. Shiokawa, Y. Miyoshi, M. Connors, and H. Nakata (2023). Ultra low frequency modulation of energetic electron precipitation in the D-region ionosphere in a magnetically quiet time using OCTAVE very low frequency and low frequency (VLF/LF) observations. URSI Radio Sci. Letter, 4, https://doi.org/10.46620/22-0049	Tanaka, K., H. Oya, F. Tsuchiya, K. Nozaki, M. Teramoto, K. Shiokawa, Y. Miyoshi, M. Connors, and H. Nakata	Ultra low frequency modulation of energetic electron precipitation in the D-region ionosphere in a magnetically quiet time using OCTAVE very low frequency and low frequency (VLF/LF) observations	URSI Radio Sci. Letter	4	10.46620/22-0049	2023		1	1	1
32	Jun, C.-W., Y. Miyoshi, S. Nakamura, M. Shoji, M. Kitahara, T. Hori, C. Yue, J. Bortnik, L. Lyons, K. Min, Y. Kasahara, F. Tsuchiya, A. Kumamoto, K. Kasamura, I. Shinohara, A. Matsuoka, S. Imajo, S. Yokota, S. Kasahara, and K. Keika (2023). Statistical Study of EMIC Waves and Related Proton Distributions Observed by the Arase Satellite. J. Geophys. Res., 128, https://doi.org/10.1029/2022JA031131	Jun, C.-W., Y. Miyoshi, S. Nakamura, M. Shoji, M. Kitahara, T. Hori, C. Yue, J. Bortnik, L. Lyons, K. Min, Y. Kasahara, F. Tsuchiya, A. Kumamoto, K. Kasamura, I. Shinohara, A. Matsuoka, S. Imajo, S. Yokota, S. Kasahara, and K. Keika	Statistical Study of EMIC Waves and Related Proton Distributions Observed by the Arase Satellite	J. Geophys. Res.	128	10.1029/2022JA031131	2023		1	1	1
33	Kotov, D., P.G. Richard, M. Reznychenko, O. Bogomaz, V. Truklik, S. Nossal, E. Mierkiewicz, T. Zhivolup, I. Domnin, Y. Miyoshi, F. Tsuchita, A. Kumamoto, Y. Kasahara, M. Kitahara, S. Nakamura, A. Matsuoka, I. Shinohara and M. Hairston (2023). Interhemispheric ionosphere-plasmasphere syste10.3389/fspas.2023.1113706m shows a high sensitivity to the exospheric neutral hydrogen density: a caution of the global reference atmospheric model hydrogen density. Front. Astron. Space Sci., 10, https://doi.org/10.3389/fspas.2023.1113706	Kotov, D., P.G. Richard, M. Reznychenko, O. Bogomaz, V. Truklik, S. Nossal, E. Mierkiewicz, T. Zhivolup, I. Domnin, Y. Miyoshi, F. Tsuchita, A. Kumamoto, Y. Kasahara, M. Kitahara, S. Nakamura, A. Matsuoka, I. Shinohara and M. Hairston	Interhemispheric ionosphere-plasmasphere system shows a high sensitivity to the exospheric neutral hydrogen density: a caution of the global reference atmospheric model hydrogen density	Front. Astron. Space Sci.	10	10.3389/fspas.2023.1113706	2023		1	1	1

34	Hosokawa, K., S.-I. Oyama, Y. Ogawa, Y. Miyoshi, S. Kurita, M. Teramoto, S. Nozawa, T. Kawabata, Y. Kawamura, Y.-M. Tanaka, H. Miyaoka, R. Kataoka, K. Shiokawa, U. Brandstom, E. Turunen, T. Taira, M. G. Johnsen, C. Hall, D. Hampton, Y. Ebihara, Y. Kasahara, S. Matsuda, I. Shinohara, R. Fujii (2023). A ground-based instrument suite for integrated high-time resolution measurements of pulsating aurora with Arase. J. Geophys. Res., 128, https://doi.org/10.1029/2023JA031527	Hosokawa, K., S.-I. Oyama, Y. Ogawa, Y. Miyoshi, S. Kurita, M. Teramoto, S. Nozawa, T. Kawabata, Y. Kawamura, Y.-M. Tanaka, H. Miyaoka, R. Kataoka, K. Shiokawa, U. Brandstom, E. Turunen, T. Taira, M. G. Johnsen, C. Hall, D. Hampton, Y. Ebihara, Y. Kasahara, S. Matsuda, I. Shinohara, R. Fujii	A ground-based instrument suite for integrated high-time resolution measurements of pulsating aurora with Arase	J. Geophys. Res.	128	10.1029/2023JA031527	2023		1	1	1
35	Shumko, M., Y. Miyoshi, L. W. Blum, A. J. Halford, A. W. Breneman, A. T. Johnson, J. G. Sample, D. M. Klumpar, and H. E. Spence (2023). Observation of an Electron Microburst With an Inverse Time-of-Flight Energy Dispersion. Geophys. Res. Lett., 50, https://doi.org/10.1029/2023GL104804	Shumko, M., Y. Miyoshi, L. W. Blum, A. J. Halford, A. W. Breneman, A. T. Johnson, J. G. Sample, D. M. Klumpar, and H. E. Spence	Observation of an Electron Microburst With an Inverse Time-of-Flight Energy Dispersion	Geophys. Res. Lett.	50	10.1029/2023GL104804	2023		1	1	1
36	Nanjo, S., S. Ebukuro, S. Nakamura, Y. Miyoshi, S. Kurita, S.-I. Oyama, Y. Ogawa, K. Keika, Y. Kasahara, S. Kasahara, A. Matsuoka, T. Hori, S. Yokota, S. Matsuda, I. Shinohara, S.-Y. Wang, Y. Kazama, C.-W. Jun, M. Kitahara, and K. Hosokawa (2023). An implication of detecting the internal modulation in a pulsating aurora: a conjugate observation by the Arase satellite and all-sky imagers. J. Geophys. Res., 128, https://doi.org/10.1029/2023JA031499	Nanjo, S., S. Ebukuro, S. Nakamura, Y. Miyoshi, S. Kurita, S.-I. Oyama, Y. Ogawa, K. Keika, Y. Kasahara, S. Kasahara, A. Matsuoka, T. Hori, S. Yokota, S. Matsuda, I. Shinohara, S.-Y. Wang, Y. Kazama, C.-W. Jun, M. Kitahara, and K. Hosokawa	An implication of detecting the internal modulation in a pulsating aurora: a conjugate observation by the Arase satellite and all-sky imagers	J. Geophys. Res.	128	10.1029/2023JA031499	2023		1		1
37	Hirai, A., F. Tsuchiya, T. Obara, Y. Katoh, Y. Miyoshi, K. Shiokawa, Y. Kasaba, H. Misawa, C-W. Jun, S. Kurita, M. G. Connors, A. T. Hendry, A. Shinbori, Y. Otsuka, T. Tsugawa, M. Nishioka, S. Perwitasari, J. W. Manweiler (2023). Spatio-temporal characteristics of IPDP-type EMIC waves on April 19, 2017: Implications for loss of relativistic electrons in the outer belt. J. Geophys. Res., 128, https://doi.org/10.1029/2023JA031479	Hirai, A., F. Tsuchiya, T. Obara, Y. Katoh, Y. Miyoshi, K. Shiokawa, Y. Kasaba, H. Misawa, C-W. Jun, S. Kurita, M. G. Connors, A. T. Hendry, A. Shinbori, Y. Otsuka, T. Tsugawa, M. Nishioka, S. Perwitasari, J. W. Manweiler	Spatio-temporal characteristics of IPDP-type EMIC waves on April 19, 2017: Implications for loss of relativistic electrons in the outer belt	J. Geophys. Res.	128	10.1029/2023JA031479	2023		1	1	1
38	Roustov, A. V., M. Nose, A. Matsuoka, I. Shinohara and Y. Miyoshi (2023). Polarization and spatial distribution features of Pc4 and Pc5 waves in the magnetosphere. J. Geophys. Res., 128, https://doi.org/10.1029/2023JA031674	Roustov, A. V., M. Nose, A. Matsuoka, I. Shinohara and Y. Miyoshi	Polarization and spatial distribution features of Pc4 and Pc5 waves in the magnetosphere	J. Geophys. Res.	128	10.1029/2023JA031674	2023		1	1	1
39	Yamakawa, T., K. Seki, T. Amano, Y. Miyoshi, N. Takahashi, A. Nakamizo, and K. Yamamoto (2023). Effects of cold plasma on the excitation of internally driven ULF waves by ring current ions based on the magnetosphere-ionosphere coupled model. J. Geophys. Res., 128, https://doi.org/10.1029/2023JA031638	Yamakawa, T., K. Seki, T. Amano, Y. Miyoshi, N. Takahashi, A. Nakamizo, and K. Yamamoto	Effects of cold plasma on the excitation of internally driven ULF waves by ring current ions based on the magnetosphere-ionosphere coupled model	J. Geophys. Res.	128	10.1029/2023JA031638	2023		1		1
40	Kumar, S., Y. Miyoshi, V. K. Jordanova, L. M. Kistler, I. Park, C. Jun, T. Hori, K. Asamura, P. R. Shreedevi, S. Yokota, S. Kasahara, Y. Kazama, S.-Y. Wang, S. W. Y. Tam, T-F. Cheng, T. Mitani, N. Higashio, K. Keika, A. Matsauoka, S. Imajo, and I. Shinohara (2023). Plasma pressure distribution of ions and electrons in the inner magnetosphere during CIR driven storms observed during Arase era. J. Geophys. Res., 128, https://doi.org/10.1029/2023JA031756	Kumar, S., Y. Miyoshi, V. K. Jordanova, L. M. Kistler, I. Park, C. Jun, T. Hori, K. Asamura, P. R. Shreedevi, S. Yokota, S. Kasahara, Y. Kazama, S.-Y. Wang, S. W. Y. Tam, T-F. Cheng, T. Mitani, N. Higashio, K. Keika, A. Matsauoka, S. Imajo, and I. Shinohara	Plasma pressure distribution of ions and electrons in the inner magnetosphere during CIR driven storms observed during Arase era	J. Geophys. Res.	128	10.1029/2023JA031756	2023		1	1	1
41	Kistler, L. M., K. Asamura, S. Kasahara, Y. Miyoshi, C. G. Moukis, K. Keika, S. M. Petrinec, M. L. Stevens, T. Hori, S. Yokota, and I. Shinohara (2023). The variable source of the plasma sheet during a geomagnetic storm. Nature Com., 14, https://doi.org/10.1038/s41467-023-41735-3	Kistler, L. M., K. Asamura, S. Kasahara, Y. Miyoshi, C. G. Moukis, K. Keika, S. M. Petrinec, M. L. Stevens, T. Hori, S. Yokota, and I. Shinohara	The variable source of the plasma sheet during a geomagnetic storm	Nature Com.	14	10.1038/s41467-023-41735-3	2023		1	1	1
42	Chen, L. , K. Shiokawa, Y. Miyoshi, S. Oyama, C. Jun, Y. Ogawa, K. Hosokawa, Y. Kazama, S. Wang, S. Tam, T. Chang, B. Wang, K. Asamura, S. Kasahara, S. Yokota, T. Hori, K. Keika, Y. Kasaba, A. Kumamoto, F. Tsuchiya, M. Shoji, Y. Kasahara, A. Matsuoka, I. Shinohara, and S. Nakamura (2023). Correspondence of Pi2 pulsations, aurora luminosity, and plasma flux fluctuation near a substorm brightening aurora: Arase observations. J. Geophys. Res., 128, https://doi.org/10.1029/2023JA031648	Chen, L. , K. Shiokawa, Y. Miyoshi, S. Oyama, C. Jun, Y. Ogawa, K. Hosokawa, Y. Kazama, S. Wang, S. Tam, T. Chang, B. Wang, K. Asamura, S. Kasahara, S. Yokota, T. Hori, K. Keika, Y. Kasaba, A. Kumamoto, F. Tsuchiya, M. Shoji, Y. Kasahara, A. Matsuoka, I. Shinohara, and S. Nakamura	Correspondence of Pi2 pulsations, aurora luminosity, and plasma flux fluctuation near a substorm brightening aurora: Arase observations	J. Geophys. Res.	128	10.1029/2023JA031648	2023		1	1	1
43	Roustov, A. V., M. Nose, A. Matsuoka, Y. Kasahara, A. Kumamoto, F. Tsuchiya, I. Shinohara, and Y. Miyoshi (2023). Plasmaspheric control of ULF wave distribution at different geomagnetic conditions. J. Geophys. Res., 128, https://doi.org/10.1029/2023JA031675	Roustov, A. V., M. Nose, A. Matsuoka, Y. Kasahara, A. Kumamoto, F. Tsuchiya, I. Shinohara, and Y. Miyoshi	Plasmaspheric control of ULF wave distribution at different geomagnetic conditions	J. Geophys. Res.	128	10.1029/2023JA031675	2023		1	1	1
44	Chen, R., X. Gao, Q. Lu, B. T. Tsurutani, Y. Miyoshi, X. Zhou, Y. Ke, H. Chen, and J. Ma (2023). Observation of whistler mode waves inside mirror mode structures in the Earth's outer magnetosphere. J. Geophys. Res., 128, https://doi.org/10.1029/2023JA031792	Chen, R., X. Gao, Q. Lu, B. T. Tsurutani, Y. Miyoshi, X. Zhou, Y. Ke, H. Chen, and J. Ma	Observation of whistler mode waves inside mirror mode structures in the Earth's outer magnetosphere	J. Geophys. Res.	128	10.1029/2023JA031792	2023		1	1	1
45	Namekawa, T., T. Mitani, K. Asamura, Y. Miyoshi, K. Hosokawa, M. Lessard, C. Moser, A. J. Halford, T. Sakanoi, M. Kawamura, M. Nose, R. Nomura, M. Teramoto, M. Shumko, K. A. Lynch, A. N. Jaynes, M. G. McHarg (2023). Simultaneous precipiation of sub-relativistic electron microburst and pulsating aurora electrons. Geophys. Res. Lett., 50, https://doi.org/10.1029/2023GL104001	Namekawa, T., T. Mitani, K. Asamura, Y. Miyoshi, K. Hosokawa, M. Lessard, C. Moser, A. J. Halford, T. Sakanoi, M. Kawamura, M. Nose, R. Nomura, M. Teramoto, M. Shumko, K. A. Lynch, A. N. Jaynes, M. G. McHarg	Simultaneous precipiation of sub-relativistic electron microburst and pulsating aurora electrons	Geophys. Res. Lett.	50	10.1029/2023GL104001	2023		1	1	1
46	Shinbori, A., Y. Otsuka, T. Sori, M. Nishioka, P. Septi, T. Tsuda, N. Nishitani, A. Kumamoto, F. Tsuchiya, S. Matsuda, Y. Kasahara, A. Matsuoka, S. Nakamura, Y. Miyoshi, and I. Shinohara (2023). New aspects of the upper atmospheric disturbances caused by the explosive eruption of the 2022 Hunga Tonga-Hunga Ha'apai volcano. Earth, Planet. Space, 75, https://doi.org/10.1186/s40623-023-01930-4	Shinbori, A., Y. Otsuka, T. Sori, M. Nishioka, P. Septi, T. Tsuda, N. Nishitani, A. Kumamoto, F. Tsuchiya, S. Matsuda, Y. Kasahara, A. Matsuoka, S. Nakamura, Y. Miyoshi, and I. Shinohara	New aspects of the upper atmospheric disturbances caused by the explosive eruption of the 2022 Hunga Tonga-Hunga Ha'apai volcano	Earth, Planet. Space	75	10.1186/s40623-023-01930-4	2023		1		1
47	Fukizawa, M., Tanaka, Y., Ogawa, Y., Hosokawa, K., Raita, T., and Kauristie, K. (2024). Three-dimensional ionospheric conductivity associated with pulsating auroral patches: reconstruction from ground-based optical observations. Annales Geophysicae, 41, https://doi.org/10.5194/angeo-41-511-2023	Fukizawa, M., Tanaka, Y., Ogawa, Y., Hosokawa, K., Raita, T., and Kauristie, K.	Three-dimensional ionospheric conductivity associated with pulsating auroral patches: reconstruction from ground-based optical observations	Annales Geophysicae	41	10.5194/angeo-41-511-2023	2023		1	1	1

48	Ishi, D., K. Ishikawa, Y. Miyoshi, N. Terada, and Y. Ezoe (2023). Modeling of geocoronal solar wind charge exchange evens detected with Suzaku. Pub. Astron. Soc. Japan, 75, https://doi.org/10.1093/pasj/psac095	Ishi, D., K. Ishikawa, Y. Miyoshi, N. Terada, and Y. Ezoe	Modeling of geocoronal solar wind charge exchange evens detected with Suzaku	Pub. Astron. Soc. Japan	75	10.1093/pasj/psac095	2023	128-152	1		1
49	Hayakawa, H., E. W. Cliver, F. Clette, Y. Ebihara, S. Toriumi, I. Ermolli, T. Chatzistergos, K. Hattori, D. J. Knipp, S. P. Blake, G. Cauzzi, K. Reardon, P-A. Bourdin, D. Just, M. Vokhmyanin, K. Matsumoto, Y. Miyoshi, J. R. Ribeiro, A. P. Correia, D. M. Willis, M. N. Wild, and S. M. Silverman (2023). The extreme space weather event of 1872 February: Sunspots, magnetic disturbance, and auroral displays. Ap. J., 959, https://doi.org/10.3847/1538-4357/acc6cc	Hayakawa, H., E. W. Cliver, F. Clette, Y. Ebihara, S. Toriumi, I. Ermolli, T. Chatzistergos, K. Hattori, D. J. Knipp, S. P. Blake, G. Cauzzi, K. Reardon, P-A. Bourdin, D. Just, M. Vokhmyanin, K. Matsumoto, Y. Miyoshi, J. R. Ribeiro, A. P. Correia, D. M. Willis, M. N. Wild, and S. M. Silverman	The extreme space weather event of 1872 February: Sunspots, magnetic disturbance, and auroral displays	Ap. J.	959	10.3847/1538-4357/acc6cc	2023		1	1	1
50	Ezoe, Y., R. Funase, H. Nagata, Y. Miyoshi, H. Nakajima, I. Mitsuishi, K. Ishikawa, M. Numazawa, Y. Kawabata, S. Nakajima, R. Fuse, R. C. Boden, L. Kamps, T. Yoneyama, K. Hagino, Y. Matsumoto, K. Hosokawa, S. Kasahara, J. Hiraga, K. Mitsuda, M. Fujimoto, M. Ueno, A. Yamazaki, H. Hasegawa, T. Mitani, Y. Kawakatsu, T. Iwata, H. Koizumi, H. Sahara, Y. Kanamori, K. Morishita, D. Ishi, A. Fukushima, A. Inagaki, Y. Ueda, H. Morishita, Y. Tsuji, R. Sekiguchi, T. Murakawa, K. Yamaguchi, R. Ishikawa, D. Morimoto, Y.Yamada, S. Hirai, Y. Nobuhara, Y. A. M. Leung, Y. Itoigawa, R. Onodera, S. Kotaki, S. Nakamura, A. Kiuchi, T. Matsumoto, M. Hirota, and K. Kashiwakura (2023). GEOspace X-ray imager (GEO-X). J. Astron. Telesc. Instrum. Syst., 9, https://doi.org/10.1117/1.JATIS.9.3.034006	Ezoe, Y., R. Funase, H. Nagata, Y. Miyoshi, H. Nakajima, I. Mitsuishi, K. Ishikawa, M. Numazawa, Y. Kawabata, S. Nakajima, R. Fuse, R. C. Boden, L. Kamps, T. Yoneyama, K. Hagino, Y. Matsumoto, K. Hosokawa, S. Kasahara, J. Hiraga, K. Mitsuda, M. Fujimoto, M. Ueno, A. Yamazaki, H. Hasegawa, T. Mitani, Y. Kawakatsu, T. Iwata, H. Koizumi, H. Sahara, Y. Kanamori, K. Morishita, D. Ishi, A. Fukushima, A. Inagaki, Y. Ueda, H. Morishita, Y. Tsuji, R. Sekiguchi, T. Murakawa, K. Yamaguchi, R. Ishikawa, D. Morimoto, Y.Yamada, S. Hirai, Y. Nobuhara, Y. A. M. Leung, Y. Itoigawa, R. Onodera, S. Kotaki, S. Nakamura, A. Kiuchi, T. Matsumoto, M.	GEOspace X-ray imager (GEO-X)	J. Astron. Telesc. Instrum. Syst.	9	10.1117/1.JATIS.9.3.034006	2023		1		1
51	Carter, J.A., M. Dunlop, C. Forsyth, K. Oksavik, E. Donovon, A. Kavanagh, S E. Milan, T. Sergienko, R.C. Fear, D.G. Sibeck, M. Connors, T. Yeoman, X. Tan, M.G. G.T. Taylor, K. McWilliams, J. Gjerloev, R. Barnes, D. D. Billet, G. Chisham, A. Dimmock, M. P. Freeman, D.-S. Han, M. D. Hartinger, S.-Y. W. Hsieh, Z.-J. Hu, M. K. James, L. Juusola, K. Kauristie, E. A. Kronberg, M. Lester, J. Manuel, J. Matzka, I. McCrea, Y. Miyoshi, J. Rae, L. Ren, F. Sigernes, E. Spanswick, K. Sterne, A. Steuwer, T. Sun, M.-T. Walach, B. Walsh, C. Wang, J. Weygand, J. Wild, J. Yan, J. Zhang, and Q.-H. Zhang (2023). Ground-based and additional science support for SMILE. Earth Planet. Phys., 8, https://doi.org/10.26464/epp2023055	Carter, J.A., M. Dunlop, C. Forsyth, K. Oksavik, E. Donovon, A. Kavanagh, S E. Milan, T. Sergienko, R.C. Fear, D.G. Sibeck, M. Connors, T. Yeoman, X. Tan, M.G. G.T. Taylor, K. McWilliams, J. Gjerloev, R. Barnes, D. D. Billet, G. Chisham, A. Dimmock, M. P. Freeman, D.-S. Han, M. D. Hartinger, S.-Y. W. Hsieh, Z.-J. Hu, M. K. James, L. Juusola, K. Kauristie, E. A. Kronberg, M. Lester, J. Manuel, J. Matzka, I. McCrea, Y. Miyoshi, J. Rae, L. Ren, F. Sigernes, E. Spanswick, K. Sterne, A. Steuwer, T. Sun, M.-T. Walach, B. Walsh, C. Wang, J. Weygand, J. Wild, J. Yan, J. Zhang, and Q.-H. Zhang	Ground-based and additional science support for SMILE	Earth Planet. Phys.	8	10.26464/epp2023055	2023	1-24	1	1	1
52	Borovsky, J. E., J. L. Chau, G. A De Nolfo, A. Greco, E. E. Grigorenko, Y. Miyoshi, N. Paratamies, and M. E. Usanova (2023). Editorial: Generation-to-generation communcations in space physics. Front. Astron. Space Sci., 10, https://doi.org/10.3389/fspas.2023.1195579	Borovsky, J. E., J. L. Chau, G. A De Nolfo, A. Greco, E. E. Grigorenko, Y. Miyoshi, N. Paratamies, and M. E. Usanova	Editorial: Generation-to-generation communcations in space physics	Front. Astron. Space Sci.	10	10.3389/fspas.2023.1195579	2023		1	1	1
53	C. Martinez-Calderon, J. K. Manninen, J. T. Manninen, and T. Turunen (2023). Statistics of unusual naturally occurring VLF radio emissions termed bursty-patches observed at Kannuslehto, Finland. Journal of Geophysical Research: Space Physics, 128, https://doi.org/10.1029/2022JA030792	C. Martinez-Calderon, J. K. Manninen, J. T. Manninen, and T. Turunen	Statistics of unusual naturally occurring VLF radio emissions termed bursty-patches observed at Kannuslehto, Finland	Journal of Geophysical Research: Space Physics	128	10.1029/2022JA030792	2023		1	1	1
54	Martinez-Calderon, C., T. Oonishi, K. Shiokawa, J. K. Manninen, A. Oinats and M. Ozaki (2023). Characteristics and longitudinal extent of VLF quasi-periodic emissions using multi-point ground-based observations. Earth Planets Space, 75, https://doi.org/10.1186/s40623-023-01898-1	Martinez-Calderon, C., T. Oonishi, K. Shiokawa, J. K. Manninen, A. Oinats and M. Ozaki	Characteristics and longitudinal extent of VLF quasi-periodic emissions using multi-point ground-based observations	Earth Planets Space	75	10.1186/s40623-023-01898-1	2023		1	1	1
55	Nakata, H., K. Hosokawa, S. Saito, Y. Otsuka, and I. Tomizawa (2023). Periodic oscillations of Doppler frequency excited by the traveling ionospheric disturbances associated with the Tonga eruption in 2022. Earth, Planets and Space, 75, https://doi.org/10.1186/s40623-023-01914-4	Nakata, H., K. Hosokawa, S. Saito, Y. Otsuka, and I. Tomizawa	Periodic oscillations of Doppler frequency excited by the traveling ionospheric disturbances associated with the Tonga eruption in 2022	Earth, Planets and Space	75	10.1186/s40623-023-01914-4	2023		1		1
56	Hsieh, Y.-K., and Y. Omura (2023). Precipitation rates of electrons interacting with lower-band chorus emissions in the inner magnetosphere. Journal of Geophysical Research: Space Physics, 128, https://doi.org/10.1029/2023JA031307	Hsieh, Y.-K., and Y. Omura	Precipitation rates of electrons interacting with lower-band chorus emissions in the inner magnetosphere	Journal of Geophysical Research: Space Physics	128	10.1029/2023JA031307	2023		1		1
57	Weizheng Fu, Yuichi Otsuka, Atsuki Shinbori, Michi Nishioka and Septi Perwitasari. (2024). Performance of the double-thin-shell approach for studying nighttime medium-scale traveling ionospheric disturbances using two dense GNSS observation networks in Japan. Earth, Planets and Space, 76, https://doi.org/10.1186/s40623-023-01956-8	Weizheng Fu, Yuichi Otsuka, Atsuki Shinbori, Michi Nishioka and Septi Perwitasari	Performance of the double-thin-shell approach for studying nighttime medium-scale traveling ionospheric disturbances using two dense GNSS observation networks in Japan	Earth, Planets and Space	76	10.1186/s40623-023-01956-8	2024		1	1	1
58	Oyama, S., Vanhamäki, H., Cai, L., Shinbori, A., Hosokawa, K., Sakanoi, T., et al. (2024). Thermospheric wind response to March 2023 storm: Largest wind ever observed with a Fabry-Perot interferometer in Tromsø, Norway since 2009. Space Weather, 22, e2023SW003728. https://doi.org/10.1029/2023SW003728	Oyama, S., Vanhamäki, H., Cai, L., Shinbori, A., Hosokawa, K., Sakanoi, T., et al.	Thermospheric wind response to March 2023 storm: Largest wind ever observed with a Fabry-Perot interferometer in Tromsø, Norway since 2009.	Space Weather	22	10.1029/2023SW003728	2024		1	1	1
59	Günzkofer, F., Liu, H., Stober, G.,Pokhotelov, D., & Borries, C. (2024). Evaluation of the empirical scaling factor of Joule heating rates in TIE -GCM with EISCAT measurements. Earth and Space Science, 11, https://doi.org/10.1029/2023EA003447	Florian Günzkofer, Huixin Liu, Gunter Stober, Dimitry Pokhotelov, and Claudia Borries	Evaluation of the empirical scaling factor of Joule heating rates in TIE -GCM with EISCAT measurements.	Earth and Space Science	11	10.1029/2023EA003447	2024		1	1	1
60	Sato, M., K. Shiokawa, S. Oyama, Y. Otsuka, A. Shinbori, and A. Oksanen, Statistical analysis of low-latitude boundary of polar-type medium-scale travelling ionospheric disturbances observed by a 630-nm airglow imager at Nyrölä, Finland, J. Geophys. Res., 129, https://doi.org/10.1029/2023JA032077	Sato, M., K. Shiokawa, S. Oyama, Y. Otsuka, A. Shinbori, and A. Oksanen	Statistical analysis of low-latitude boundary of polar-type medium-scale travelling ionospheric disturbances observed by a 630-nm airglow imager at Nyrola, Finland	Journal of Geophysical Research	129	10.1029/2023JA032077	2024		1	1	1

61	Yin, Z., X. Zhou, Z. Hu, C. Yue, Q. Zong, Z. Liu, J. Liu, K. Shiokawa, S. Oyama and D. Baishev. (2024). Westward Excursion of Pc1/EMIC Waves and Their Source Protons: Paradoxical Observations from Ground and Space. J. Geophys. Res., 129, https://doi.org/10.1029/2023JA032317	Yin, Z., X. Zhou, Z. Hu, C. Yue, Q. Zong, Z. Liu, J. Liu, K. Shiokawa, S. Oyama and D. Baishev	Westward Excursion of Pc1/EMIC Waves and Their Source Protons: Paradoxical Observations from Ground and Space	Journal of Geophysical Research	129	10.1029/2023JA032317	2024		1	1	1
62	Kim, K.-H., C.-W. Jun, J.-W. Kwon, J. Lee, K. Shiokawa, Y. Miyoshi, E.-H. Kim, K. Min, J. Seough, K. Asamura, I. Shinohara, A. Matsuoka, S. Yokota, Y. Kasahara, S. Kasahara, K. Keika, A. Kumamoto, and F. Tsuchiya. (2024). Observation and Numerical Simulation of Cold Ions Energized by EMIC Waves, J. Geophys. Res., 129, https://doi.org/10.1029/2023JA032361	Kim, K.-H., C.-W. Jun, J.-W. Kwon, J. Lee, K. Shiokawa, Y. Miyoshi, E.-H. Kim, K. Min, J. Seough, K. Asamura, I. Shinohara, A. Matsuoka, S. Yokota, Y. Kasahara, S. Kasahara, K. Keika, A. Kumamoto, and F. Tsuchiya	Observation and Numerical Simulation of Cold Ions Energized by EMIC Waves	Journal of Geophysical Research	129	10.1029/2023JA032361	2024		1	1	1
63	Kataoka, R., Y. Miyoshi, K. Shiokawa, N. Nishitani, K. Keika, T. Amano, and K. Seki. (2024). Magnetic storm-time red aurora as seen from Hokkaido, Japan on December 1, 2 2023 associated with high-density solar wind. Geophysical Research Letters, 51, https://doi.org/10.1029/2024GL108778	Kataoka, R., Y. Miyoshi, K. Shiokawa, N. Nishitani, K. Keika, T. Amano, and K. Seki	Magnetic storm-time red aurora as seen from Hokkaido, Japan on December 1, 2 2023 associated with high-density solar wind	Geophysical Research Letters	51	10.1029/2024GL108778	2024		1		1
64	Nosé, M., K. Hosokawa, R. Nomura, M. Teramoto, K. Asamura, Y. Miyoshi, T. Mitani, T. Sakanoi, T. Namekawa, T. Kawano, Y. Iwanaga, S. Tatematsu, M. Hirahara, A. Halford, M. Shumko, M. R. Lessard, K. Lynch, N. Paschalidis, A. N. Jaynes, and M. G. McHarg. (2024). Field-aligned currents associated with pulsating auroral patches: Observation with Magneto-Impedance Magnetometer (MIM) onboard Loss through Auroral Microburst Pulsations (LAMP) sounding rocket. Journal of Geophysical Research, 129, https://doi.org/10.1029/2023JA032232	Nosé, M., K. Hosokawa, R. Nomura, M. Teramoto, K. Asamura, Y. Miyoshi, T. Mitani, T. Sakanoi, T. Namekawa, T. Kawano, Y. Iwanaga, S. Tatematsu, M. Hirahara, A. Halford, M. Shumko, M. R. Lessard, K. Lynch, N. Paschalidis, A. N. Jaynes, and M. G. McHarg	Field-aligned currents associated with pulsating auroral patches: Observation with Magneto-Impedance Magnetometer (MIM) onboard Loss through Auroral Microburst Pulsations (LAMP) sounding rocket	Journal of Geophysical Research	129	10.1029/2023JA032232	2024		1	1	1
65	Yamamoto, K. A. V. Rubtsov, D. V. Kostarev, P. N. Mager, D. Y. Klimushkin, M. Nosé, A. Matsuoka, K. Asamura, Y. Miyoshi, S. Yokota, S. Kasahara, T. Hori, K. Keika, Y. Kasahara, A. Kumamoto, F. Tsuchiya, M. Shoji, S. Nakamura, and I. Shinohara. (2024). Direct evidence of drift-compressional wave generation in the Earth's magnetosphere detected by Arase. Geophysical Research Letters, 51, https://doi.org/10.1029/2023GL107707	Yamamoto, K. A. V. Rubtsov, D. V. Kostarev, P. N. Mager, D. Y. Klimushkin, M. Nosé, A. Matsuoka, K. Asamura, Y. Miyoshi, S. Yokota, S. Kasahara, T. Hori, K. Keika, Y. Kasahara, A. Kumamoto, F. Tsuchiya, M. Shoji, S. Nakamura, and I. Shinohara	Direct evidence of drift-compressional wave generation in the Earth's magnetosphere detected by Arase	Geophysical Research Letters	51	10.1029/2023GL107707	2024		1	1	1
66	Obana, Y., K. Sakaguchi, M. Nosé, K. Hosokawa, P. Jaquiery, S. Saita, K. Shiokawa, M. Connors, A. Kadokura, T. Nagatsuma, and Tanja Petersen. (2024). New observational projects in New Zealand for studying radiation belt loss processes in the deep inner magnetosphere: instrumentation, operation by solar power and initial results. Earth, Planets and Space, 76, https://doi.org/10.1186/s40623-024-01990-0	Obana, Y., K. Sakaguchi, M. Nosé, K. Hosokawa, P. Jaquiery, S. Saita, K. Shiokawa, M. Connors, A. Kadokura, T. Nagatsuma, and Tanja Petersen	New observational projects in New Zealand for studying radiation belt loss processes in the deep inner magnetosphere: instrumentation, operation by solar power and initial results	Earth, Planets and Space	76	10.1186/s40623-024-01990-0	2024		1	1	1
67	Wei, L., C. Jiang, T. Yokoyama, J. Liu, G. Yang, and Y. Hu. (2024). Investigation of the Occurrence Characteristics and Possible Origins of Daytime Spread F Irregularities in Low Latitude Region. J. Geophys. Res. Space Physics, 129, https://doi.org/10.1029/2023JA031809	Wei, L., C. Jiang, T. Yokoyama, J. Liu, G. Yang, and Y. Hu	Investigation of the Occurrence Characteristics and Possible Origins of Daytime Spread F Irregularities in Low Latitude Region	J. Geophys. Res. Space Physics	129	10.1029/2023JA031809	2024		1	1	
68	Abadi, P., Otsuka, Y., Saito, S., Yamamoto, M., Perwitasari, S., Muafiry, I. N., et al. (2024). Longitudinal range of the eastward-traveling equatorial plasma bubble inducing ionospheric scintillation. Space Weather, 22, e2024SW003908. https://doi.org/10.1029/2024SW003908	Abadi, P., Otsuka, Y., Saito, S., Yamamoto, M., Perwitasari, S., Muafiry, I. N., et al.	Longitudinal range of the eastward-traveling equatorial plasma bubble inducing ionospheric scintillation	Space Weather	22	10.1029/2024SW003908	2024		1	1	1
69	Fu, W., Otsuka, Y. & Ssessanga, N (2024). High-resolution 3-D imaging of electron density perturbations using ultra-dense GNSS observation networks in Japan: an example of medium-scale traveling ionospheric disturbances. Earth Planets Space, 76, https://doi.org/10.1186/s40623-024-02051-2	Fu, W., Otsuka, Y. & Ssessanga, N	High-resolution 3-D imaging of electron density perturbations using ultra-dense GNSS observation networks in Japan: an example of medium-scale traveling ionospheric	Earth, Planets and Space	76	10.1186/s40623-024-02051-2	2024		1	1	1
70	Yokoyama, T. (2024). Simulation study of the impacts of E-region density on the growth of equatorial plasma bubbles. Front. Astron. Space Sci., 11, https://doi.org/10.3389/fspas.2024.1502618	Yokoyama, T.	Simulation study of the impacts of E-region density on the growth of equatorial plasma bubbles	Front. Astron. Space Sci.	11	10.3389/fspas.2024.1502618	2024		1		1
71	Jiang, C., L. Wei, T. Yokoyama, R. Tian, T. Liu, and G. Yang (2024). Observations of daytime topside ionospheric irregularities in the afternoon equatorial ionosphere. Adv. Space Res., 75, https://doi.org/10.1016/j.asr.2024.09.017	Jiang, C., L. Wei, T. Yokoyama, R. Tian, T. Liu, and G. Yang	Observations of daytime topside ionospheric irregularities in the afternoon equatorial ionosphere	Adv. Space Res.	75	10.1016/j.asr.2024.09.017	2024	908-917	1	1	
72	Liu, P., T. Yokoyama, T. Sori, and M. Yamamoto (2024). Channel Mixer Layer: Multimodal Fusion Toward Machine Reasoning for Spatiotemporal Predictive Learning of Ionospheric Total Electron Content. Space Weather, 22,	Liu, P., T. Yokoyama, T. Sori, and M. Yamamoto	Channel Mixer Layer: Multimodal Fusion Toward Machine Reasoning for Spatiotemporal Predictive Learning of	Space Weather	22	10.1029/e2024SW004121	2024		1		1
73	Scott, C. J., M. N. Wild, L. A. Barnard, B. Yu, T. Yokoyama, M. Lockwood, C. Mitchel, J. Coxon, and A. Kavanagh (2024). Calibrating estimates of ionospheric long-term change. Ann. Geophys., 42, https://doi.org/10.5194/angeo-42-395-2024	Scott, C. J., M. N. Wild, L. A. Barnard, B. Yu, T. Yokoyama, M. Lockwood, C. Mitchel, J. Coxon, and A. Kavanagh	Calibrating estimates of ionospheric long-term change	Ann. Geophys.	42	10.5194/angeo-42-395-2024	2024	395-418	1	1	1
74	Nosé, M., A. Shinbori, Y. Miyoshi, T. Hori, T. Ohira, J. Hashiba, C. Naoe, R. Gakiya, M. Okamoto, T. Sagara, T. Aoki, S. Matsubara, I. Takahashi, H. Hayashi, K. Yamada, Y. Minamiyama, Y. Tanaka, S. Abe, S. UeNo, S. Imajo, Y. Saito, T. Ashikita, Y. Hori, T. Shimizu, N. Okamura, K. Hirano, and L. Bargatze (2024). Enhancing findability and searchability of research data: Metadata conversion and registration in institutional repositories. Data Science Journal, 23, https://doi.org/10.5334/dsj-2024-040	Nosé, M., A. Shinbori, Y. Miyoshi, T. Hori, T. Ohira, J. Hashiba, C. Naoe, R. Gakiya, M. Okamoto, T. Sagara, T. Aoki, S. Matsubara, I. Takahashi, H. Hayashi, K. Yamada, Y. Minamiyama, Y. Tanaka, S. Abe, S. UeNo, S. Imajo, Y. Saito, T. Ashikita, Y. Hori, T. Shimizu, N. Okamura, K. Hirano, and L. Bargatze	Enhancing findability and searchability of research data: Metadata conversion and registration in institutional repositories	Data Science Journal	23	10.5334/dsj-2024-040	2024		1	1	1
75	Hosokawa, K., Y. Miyoshi, M. Mcharg, V. Ledvina, D. Hampton, M. Lessard, M. Shumko, K. Asamura, T. Sakanoi, T. Mitani, T. Namekawa, M. Nosé, Y. Ogawa, A. Jaynes, and A. Halford (2024). Variation of the altitude of auroral emission during a substorm cycle: Stereoscopic optical observations during the LAMP rocket experiment. Journal of Geophysical Research: Space Physics, 129, https://doi.org/10.1029/2024JA033036	Hosokawa, K., Y. Miyoshi, M. Mcharg, V. Ledvina, D. Hampton, M. Lessard, M. Shumko, K. Asamura, T. Sakanoi, T. Mitani, T. Namekawa, M. Nosé, Y. Ogawa, A. Jaynes, and A. Halford	Variation of the altitude of auroral emission during a substorm cycle: Stereoscopic optical observations during the LAMP rocket experiment	Journal of Geophysical Research: Space Physics	129	10.1029/2024JA033036	2024		1	1	1
76	Adhitya, P., J. Bulusu, M. Nosé, G. Vichare, and A. P. Dimri (2024). Statistics of higher harmonics SRS at low latitude station, Shillong. Journal of Geophysical Research: Space Physics, 129, https://doi.org/10.1029/2024JA033034	Adhitya, P., J. Bulusu, M. Nosé, G. Vichare, and A. P. Dimri	Statistics of higher harmonics SRS at low latitude station, Shillong	Journal of Geophysical Research: Space Physics	129	10.1029/2024JA033034	2024		1	1	

77	Yamauchi, D., M. Nosé, Y. Harada, K. Yamamoto, K. Keika, A. Nagamatsu, S. Yokota, Y. Saito, and A. Glocer (2024). Terrestrial-origin O+ ions below 1 keV near the Moon measured with the Kaguya satellite. Earth, Planets and Space, 76, https://doi.org/10.1186/s40623-024-02107-3	Yamauchi, D., M. Nosé, Y. Harada, K. Yamamoto, K. Keika, A. Nagamatsu, S. Yokota, Y. Saito, and A. Glocer	Terrestrial-origin O+ ions below 1 keV near the Moon measured with the Kaguya satellite	Earth, Planets and Space	76	10.1186/s40623-024-02107-3	2024		1	1	1
78	Shreedevi P. R., Y. Yu, Y. Miyoshi, X. Tian, M. Zhu, V. K. Jordanova, S. Nakamura, C.-W. Jun, S. Kumar, K. Shiokawa, M. Connors, T. Hori, M. Shoji, I. Shinohara, S. Yokota, S. Kasahara, K. Keika, A. Matsuoka, A. Kadokura, F. Tsuchiya, A. Kumamoto, and Y. Kasahara (2024). Global distribution of EMIC waves and its association to subauroral proton precipitation during the 27 May 2017 storm: Modeling and multipoint observations. Journal of Geophysical Research, 129, https://doi.org/10.1029/2023JA032337	Shreedevi P. R., Y. Yu, Y. Miyoshi, X. Tian, M. Zhu, V. K. Jordanova, S. Nakamura, C.-W. Jun, S. Kumar, K. Shiokawa, M. Connors, T. Hori, M. Shoji, I. Shinohara, S. Yokota, S. Kasahara, K. Keika, A. Matsuoka, A. Kadokura, F. Tsuchiya, A. Kumamoto, and Y. Kasahara	Global distribution of EMIC waves and its association to subauroral proton precipitation during the 27 May 2017 storm: Modeling and multipoint observations	Journal of Geophysical Research	129	10.1029/2023JA032337	2024		1	1	1
79	Kato, Y., K. Shiokawa, Y. Tanaka, M. Ozaki, A. Kadokura, S. Oyama, A. Oinats, M. Connors , and D. Baishev (2024). Spatiotemporal development of cosmic noise absorption at subauroral latitudes using multipoint ground-based riometers. Journal of Geophysical Research, 129, https://doi.org/10.1029/2023JA032206	Kato, Y., K. Shiokawa, Y. Tanaka, M. Ozaki, A. Kadokura, S. Oyama, A. Oinats, M. Connors , and D. Baishev	Spatiotemporal development of cosmic noise absorption at subauroral latitudes using multipoint ground-based riometers	Journal of Geophysical Research	129	10.1029/2023JA032206	2024		1	1	1
80	Nemec, F., K. Drastichova, J. Manninen, C. Martinez-Calderon, K. Shiokawa, and M. Connors (2024). Comparison of very low frequency wave intensities measured by a low-altitude spacecraft and on the ground. Journal of Geophysical Research, 129, https://doi.org/10.1029/2024JA032655	Nemec, F., K. Drastichova, J. Manninen, C. Martinez-Calderon, K. Shiokawa, and M. Connors	Comparison of very low frequency wave intensities measured by a low-altitude spacecraft and on the ground	Journal of Geophysical Research	129	10.1029/2024JA032655	2024		1	1	1
81	Chauhan, N., K. Shiokawa, S. Gurubaran, S. Nozawa, S. Oyama and T. Nakamura (2024). Occurrence of mesospheric frontal structures over the high latitude station. Journal of Geophysical Research, 129, https://doi.org/10.1029/2023JA032243	Chauhan, N., K. Shiokawa, S. Gurubaran, S. Nozawa, S. Oyama and T. Nakamura	Occurrence of mesospheric frontal structures over the high latitude station	Journal of Geophysical Research	129	10.1029/2023JA032243	2024		1	1	1
82	Chen, L., K. Shiokawa, M. Connors, Y. Kato, and T. Tsuboi (2024). First observation of temporal variation of STEVE altitudes using triangulation by two color cameras. Journal of Geophysical Research, 129, https://doi.org/10.1029/2024JA032436	Chen, L., K. Shiokawa, M. Connors, Y. Kato, and T. Tsuboi	First observation of temporal variation of STEVE altitudes using triangulation by two color cameras	Journal of Geophysical Research	129	10.1029/2024JA032436	2024		1	1	1
83	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, C.-W. Jun, M. Teramoto, S. Kurita, F. Tsuchiya, A. Kumamoto, K. Saito, and T. Hori (2024). Precipitation of auroral electrons accelerated at very high altitudes: Impact on the ionosphere and a possible acceleration mechanism. Journal of Geophysical Research, 129, https://doi.org/10.1029/2024JA032696	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, C.-W. Jun, M. Teramoto, S. Kurita, F. Tsuchiya, A. Kumamoto, K. Saito, and T. Hori	Precipitation of auroral electrons accelerated at very high altitudes: Impact on the ionosphere and a possible acceleration mechanism	Journal of Geophysical Research	129	10.1029/2024JA032696	2024		1	1	1
84	Jun, C. W., Y. Miyoshi, S. Nakamura, M. Shoji, T. Hori, J. Bortnik, L. Lyons, I. Shinohara, and A. Matsuoka (2024). A triggering process for nonlinear EMIC waves driven by the compression of the dayside magnetosphere. Geophys. Res. Lett., 51, https://doi.org/10.1029/2023GL106860	Jun, C. W., Y. Miyoshi, S. Nakamura, M. Shoji, T. Hori, J. Bortnik, L. Lyons, I. Shinohara, and A. Matsuoka	A triggering process for nonlinear EMIC waves driven by the compression of the dayside magnetosphere	Geophys. Res. Lett.	51	10.1029/2023GL106860	2024		1	1	1
85	Haas, B. Y. Y. Shprits, M. Wutzig, M. Szabo-Roberts, M. G. Penaranda, A. M. Castillo Tibocha, J. Himmelsbach, D. Wang, Y. Miyoshi, S. Kasahara, K. Keika, S. Yokota, I. Shinohara and T. Hori (2024). Global validation of data-assimilative electron ring currnt nowcast for space weather applications. Sci. Reports, 14, https://doi.org/10.1038/s41598-024-52187-0	Haas, B. Y. Y. Shprits, M. Wutzig, M. Szabo-Roberts, M. G. Penaranda, A. M. Castillo Tibocha, J. Himmelsbach, D. Wang, Y. Miyoshi, S. Kasahara, K. Keika, S. Yokota, I. Shinohara and T. Hori	Global validation of data-assimilative electron ring currnt nowcast for space weather applications	Sci. Reports	14	10.1038/s41598-024-52187-0	2024		1	1	1
86	Oyama, S. H. Vanhamkl, L. Cai, A. Shinbori, K. Hosokawa, T. Sakanoi, K. Shiokawa, A. Aikio, I. I. Virtanen, Y. Ogawa, Y. Miyoshi, S. Kurita, and N. Nishitani (2024). Thermospheric wind response to March 2023 storm: Largest wind ever observed with a Fabry-Perot interferometer in Tromso, Norway since 2009. Space Weather, 22, https://doi.org/10.1029/2023SW003728	Oyama, S. H. Vanhamkl, L. Cai, A. Shinbori, K. Hosokawa, T. Sakanoi, K. Shiokawa, A. Aikio, I. I. Virtanen, Y. Ogawa, Y. Miyoshi, S. Kurita, and N. Nishitani	Thermospheric wind response to March 2023 storm: Largest wind ever observed with a Fabry-Perot interferometer in Tromso, Norway since 2009	Space Weather	22	10.1029/2023SW003728	2024		1	1	1
87	Wu., Z., Z. Su, H. Zheng, Y. Wang, Y. Mioshi, I. Shinohara, A. Matsuoka, Y. Kasahara, F. Tsuchiya, A. Kumamoto, S. Matsuda, Y. Kasaba, M. Teramoto, and T. Hori (2024). Long Lifetime Hiss Rays in the Disturbed Plasmasphere. Geophys. Res. Lett., 51, https://doi.org/10.1029/2023GL107825	Wu., Z., Z. Su, H. Zheng, Y. Wang, Y. Mioshi, I. Shinohara, A. Matsuoka, Y. Kasahara, F. Tsuchiya, A. Kumamoto, S. Matsuda, Y. Kasaba, M. Teramoto, and T. Hori	Long Lifetime Hiss Rays in the Disturbed Plasmasphere	Geophys. Res. Lett.	51	10.1029/2023GL107825	2024		1	1	1
88	Zhang, S., Q. Yin, H. Yang, F. Xiao, Q. Zhou, Q. Yang, J. Tang, Z. Deng, Y. Kasahara, Y. Miyoshi, A. Kumamoto, Y. Nakamura, F. Tsuchiya, I. Shinohara, S. Nakamura, Y. Kasaba, and T. Hori (2024). Direct observation of L-X mode of auroral kilometric radiation in the lower latitude magnetosphere by the Arase satellite. Geophys. Res. Lett., 51, https://doi.org/10.1029/2023GL105694	Zhang, S., Q. Yin, H. Yang, F. Xiao, Q. Zhou, Q. Yang, J. Tang, Z. Deng, Y. Kasahara, Y. Miyoshi, A. Kumamoto, Y. Nakamura, F. Tsuchiya, I. Shinohara, S. Nakamura, Y. Kasaba, and T. Hori	Direct observation of L-X mode of auroral kilometric radiation in the lower latitude magnetosphere by the Arase satellite	Geophys. Res. Lett.	51	10.1029/2023GL105694	2024		1	1	1
89	Chen, J-L., H. Zou, Y-X. Hao, Y-G Ye, Y. Miyoshi, A. Matsuoka, I. Shinohara, M. Teramoto, S-G. Xu (2024). A Sub-relativistic Electron Three-belt Event in the Earth's Radiation Belts: Observation and Explanation. J. Geophys. Res., 129, https://doi.org/10.1029/2023JA032213	Chen, J-L., H. Zou, Y-X. Hao, Y-G Ye, Y. Miyoshi, A. Matsuoka, I. Shinohara, M. Teramoto, S-G. Xu	A Sub-relativistic Electron Three-belt Event in the Earth's Radiation Belts: Observation and Explanation	J. Geophys. Res.	129	10.1029/2023JA032213	2024		1	1	1
90	Yamamoto, K., A. V. Rubtsov, D. V. Kostarev, P. N. Mager, D. Yu. Klimushkin, M. Nose, A. Matsuoka, K. Asamura, Y. Miyoshi, S. Yokota, S. Kasahara, T. Hori, K. Keika, Y. Kasahara, A. Kumamoto, F. Tsuchia, M. Shoji, S. Nakamura, and I, Shinohara (2024). Direct evidence of drift-compressional wave generation in the Earth's magnetosphere detected by Arase. Geophys. Res. Lett., 51, https://doi.org/10.1029/2023GL107707	Yamamoto, K., A. V. Rubtsov, D. V. Kostarev, P. N. Mager, D. Yu. Klimushkin, M. Nose, A. Matsuoka, K. Asamura, Y. Miyoshi, S. Yokota, S. Kasahara, T. Hori, K. Keika, Y. Kasahara, A. Kumamoto, F. Tsuchia, M. Shoji, S. Nakamura, and I, Shinohara	Direct evidence of drift-compressional wave generation in the Earth's magnetosphere detected by Arase	Geophys. Res. Lett.	51	10.1029/2023GL107707	2024		1	1	1
91	Ma, L., Y. Yu, W. Liu, J. Cao, and Y. Miyoshi (2024). Simulating the ring current proton dynamics in responses to radial diffusion by Ultra-Low-Frequency (ULF) waves. Geophys. Res. Lett., 51, https://doi.org/10.1029/2023GL107326	Ma, L., Y. Yu, W. Liu, J. Cao, and Y. Miyoshi	Simulating the ring current proton dynamics in responses to radial diffusion by Ultra-Low-Frequency (ULF) waves	Geophys. Res. Lett.	51	10.1029/2023GL107326	2024		1	1	1

92	Nose, M., K. Hosokawa, R. Nomura, M. Teramoto, K. Asamura, Y. Mioshi, T. Mitani, T. Sakanoi, T. Namekawa, T. Kawano, Y. Iwanaga, S. Tatematsu, M. Hirahara, A. Halfhod, M. Shumko, M. R. Lessard, K. Lynch, N. Paschalidis, A. N. Jaynes, and M. G. McHarg (2024). Field-aligned currents associated with pulsating auroral patches: Observation with Magneto-Impedance Magnetometer (MIM) onboard Loss through Auroral Microburst Pulsations (LAMP) sounding rocket. J. Geophys. Res., 129, https://doi.org/10.1029/2023JA032232	Nose, M., K. Hosokawa, R. Nomura, M. Teramoto, K. Asamura, Y. Mioshi, T. Mitani, T. Sakanoi, T. Namekawa, T. Kawano, Y. Iwanaga, S. Tatematsu, M. Hirahara, A. Halfhod, M. Shumko, M. R. Lessard, K. Lynch, N. Paschalidis, A. N. Jaynes, and M. G. McHarg	Field-aligned currents associated with pulsating auroral patches: Observation with Magneto-Impedance Magnetometer (MIM) onboard Loss through Auroral Microburst Pulsations (LAMP) sounding rocket	J. Geophys. Res.	129	10.1029/2023JA032232	2024		1	1	1
93	Kim, K.-H., C.-W. Jun, J.-W. Kwon, J. Lee, K. Shiokawa, Y. Miyoshi, E.-H. Kim, K. Min, J. Seough, K. Asamura, I. Shinohara, A. Matsuoka, S. Yokota, Y. Kasahara, S. Kasahara, T. Hori, K. Keika, A. Kumamoto, and F. Tsuchiya (2024). Observation and numerical simulation of cold ions energized by EMIC waves. J. Geophys. Res., 129, https://doi.org/10.1029/2023JA032361	Kim, K.-H., C.-W. Jun, J.-W. Kwon, J. Lee, K. Shiokawa, Y. Miyoshi, E.-H. Kim, K. Min, J. Seough, K. Asamura, I. Shinohara, A. Matsuoka, S. Yokota, Y. Kasahara, S. Kasahara, T. Hori, K. Keika, A. Kumamoto, and F. Tsuchiya	Observation and numerical simulation of cold ions energized by EMIC waves	J. Geophys. Res.	129	10.1029/2023JA032361	2024		1	1	1
94	Kataoka, R., Y. Miyoshi, K. Shiokawa, N. Nishitani, K. Keika, T. Amano, and K. Seki (2024). Magnetic storm-time red aurora as seen from Hokkaido, Japan on December 1, 2023 associated with high-density solar wind. Geophys. Res. Lett., 51, https://doi.org/10.1029/2024GL108778	Kataoka, R., Y. Miyoshi, K. Shiokawa, N. Nishitani, K. Keika, T. Amano, and K. Seki	Magnetic storm-time red aurora as seen from Hokkaido, Japan on December 1, 2023 associated with high-density solar wind	Geophys. Res. Lett.	51	10.1029/2024GL108778	2024		1		1
95	Shreedevi P.R., Y. Yu, Y. Miyoshi, X. Tian, M. Zhu, V. K. Jordanova, S. Nakamura, C-W. Jun, S. Kumar, K. Shiokawa, M. Connors, T. Hori, M. Shoji, I. Shinohara, S. Yokota, S. Kasahara, K. Keika, A. Matsuoka, A. Kadokura, F. Tsuchiya, A. Kumamoto, Y. Kasahara (2024). Global distribution of EMIC waves and its assocation to subaturoral proton precipiation during the 27 May 2017 storm: modeling and multipoint observations. J. Geophys. Res., 129, https://doi.org/10.1029/2023JA032337	Shreedevi P.R., Y. Yu, Y. Miyoshi, X. Tian, M. Zhu, V. K. Jordanova, S. Nakamura, C-W. Jun, S. Kumar, K. Shiokawa, M. Connors, T. Hori, M. Shoji, I. Shinohara, S. Yokota, S. Kasahara, K. Keika, A. Matsuoka, A. Kadokura, F. Tsuchiya, A. Kumamoto, Y. Kasahara	Global distribution of EMIC waves and its assocation to subaturoral proton precipiation during the 27 May 2017 storm: modeling and multipoint observations	J. Geophys. Res.	129	10.1029/2023JA032337	2024		1	1	1
96	Chen, R., Y. Miyoshi, X. Gao, Q. Lu, B. T. Tsurutani, K. Hosokawa, T. Hori, Y. Ogawa, S-I. Oyama, Y. Kasahara, S. Matsuda, S. Nakamura, A. Matsuoka, and I. Shinohara (2024). Observational evidence for three time-scale modulations in the pulsating aurora. Geophys. Res. Lett., 51, https://doi.org/10.1029/2024GL108253	Chen, R., Y. Miyoshi, X. Gao, Q. Lu, B. T. Tsurutani, K. Hosokawa, T. Hori, Y. Ogawa, S-I. Oyama, Y. Kasahara, S. Matsuda, S. Nakamura, A. Matsuoka, and I. Shinohara	Observational evidence for three time-scale modulations in the pulsating aurora	Geophys. Res. Lett.	51	10.1029/2024GL108253	2024		1	1	1
97	Taki, T., S. Kurita, H. Kojima, Y. Kasahara, S. Matsuda, A. Matsuoka, Y. Kazama, C-W. Jun, S-Y. Wang, S. W. Y. Tam, T-F. Chang, B-J. Wang, Y. Miyoshi, and I. Shinohara (2024). Cold electron temperature in the inner magnetosphere estimated through the dispersion relation of ECH waves from the Arase satellite observations. Radio Sci., 59, https://doi.org/10.10292023RS007927	Taki, T., S. Kurita, H. Kojima, Y. Kasahara, S. Matsuda, A. Matsuoka, Y. Kazama, C-W. Jun, S-Y. Wang, S. W. Y. Tam, T-F. Chang, B-J. Wang, Y. Miyoshi, and I. Shinohara	Cold electron temperature in the inner magnetosphere estimated through the dispersion relation of ECH waves from the Arase satellite observations	Radio Sci.	59	10.10292023RS007927	2024		1		1
98	Nose, M., A. Shinbori, Y. Miyoshi, T. Hori, T. Ohira, J. Hashiba, C. Naoe, R. Gakiya, M. Okamoto, T. Sagara, T. Aoki, S. Matsubara, I. Takahashi, H. Hayashi, K. Yamada, Y. Minamiyama, Y. Tanaka, S. Abe, and S. UeNo, S. Imajo, Y. Saito, T. Ashikita, Y. Hori, T. Shimizu, N. Okamura, K. Hirano and L. Bargatze (2024). Enhancing Findability and Searchability of Research Data: Metadata Conversion and Registration in Institutional Repositories. Data Science Journal, 23, https://doi.org/10.5334/dsj-2024-040	Nose, M., A. Shinbori, Y. Miyoshi, T. Hori, T. Ohira, J. Hashiba, C. Naoe, R. Gakiya, M. Okamoto, T. Sagara, T. Aoki, S. Matsubara, I. Takahashi, H. Hayashi, K. Yamada, Y. Minamiyama, Y. Tanaka, S. Abe, and S. UeNo, S. Imajo, Y. Saito, T. Ashikita, Y. Hori, T. Shimizu, N. Okamura, K. Hirano and L. Bargatze	Enhancing Findability and Searchability of Research Data: Metadata Conversion and Registration in Institutional Repositories	Data Science Journal	23	10.5334/dsj-2024-040	2024		1		1
99	Nagatani, A., Y. Miyoshi, K. Asamura, L. M. Kistler, S. Nakamura, K. Seki, Y. Ogawa, and I. Shinohara (2024). Variation of molecular ions in the inner magnetosphere observed by the Arase satellite. Geophys. Res. Lett., 51, https://doi.org/10.1029/2024GL108340	Nagatani, A., Y. Miyoshi, K. Asamura, L. M. Kistler, S. Nakamura, K. Seki, Y. Ogawa, and I. Shinohara	Variation of molecular ions in the inner magnetosphere observed by the Arase satellite	Geophys. Res. Lett.	51	10.1029/2024GL108340	2024		1	1	1
100	Ito, Y., K. Hosokawa, Y. Ogawa, Y. Miyoshi, F. Tsuchiya, M. Fukizawa, Y. Kasaba, Y. Kazama, S. Oyama, K. Murase, S. Nakamura, Y. Kashara, S. Matsuda, S. Kasahara, T. Hori, S. Yokota, K. Keika, A. Matsuoka, M. Teramoto, and I. Shinohara (2024). On the factors controlling the relationship between type of pulsating aurora and energy of pulsating aurora electrons: Simultaneous observations by Arase satellite, ground-based all-sky imagers and EISCAT radar. J. Geophys. Res., 129, https://doi.org/10.1029/2024JA032617	Ito, Y., K. Hosokawa, Y. Ogawa, Y. Miyoshi, F. Tsuchiya, M. Fukizawa, Y. Kasaba, Y. Kazama, S. Oyama, K. Murase, S. Nakamura, Y. Kashara, S. Matsuda, S. Kasahara, T. Hori, S. Yokota, K. Keika, A. Matsuoka, M. Teramoto, and I. Shinohara	On the factors controlling the relationship between type of pulsating aurora and energy of pulsating aurora electrons: Simultaneous observations by Arase satellite, ground-based all-sky imagers and EISCAT radar	J. Geophys. Res.	129	10.1029/2024JA032617	2024		1		1
101	Taki, T., S. Kurita, A. Shinjo, I. Fukasawa, S. Nakamaura, H. Kojima, Y. Kasahara, S. Matsuda, A. Matsuoka, Y. Miyoshi, and I. Shinohara (2024). On the phase difference of ECH waves obtained from the interferometry observation by the Arase satellite. Earth, Planets and Space, 76, https://doi.org/10.1186/s40623-024-02043-2	Taki, T., S. Kurita, A. Shinjo, I. Fukasawa, S. Nakamaura, H. Kojima, Y. Kasahara, S. Matsuda, A. Matsuoka, Y. Miyoshi, and I. Shinohara	On the phase difference of ECH waves obtained from the interferometry observation by the Arase satellite	Earth, Planets and Space	76	10.1186/s40623-024-02043-2	2024		1		1
102	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, C.-W. Jun, M. Teramoto, S. Kurita, F. Tsuchiya, A. Kumamoto, K. Saito, and. T. Hori (2024). Precpitation of auroral electrons accelerated at very high altitudes: impacts on the ionosphere and a possible acceleration mechanism. J. Geophys. Res., 129, https://doi.org/10.1029/2024JA032696	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, C.-W. Jun, M. Teramoto, S. Kurita, F. Tsuchiya, A. Kumamoto, K. Saito, and. T. Hori	Precpitation of auroral electrons accelerated at very high altitudes: impacts on the ionosphere and a possible acceleration mechanism	J. Geophys. Res.	129	10.1029/2024JA032696	2024		1	1	1
103	Katsuta, S., H. Shinagawa, H. Fujiwara, H. Jin, Y. Miyoshi, Y. Miyoshi, Y. Motizuki, M. Nakajima, K. Nakazawa, K. K. Nobukawa, Y. Otsuka, A. Shinbori, T. Sori, C. Tao, M. S. Tashio, Y. Wada, and T. Yamawaki (2024). X-raying neutral density disturbances in the mesosphere and lower thermosphere induced by the 2022 Hunga-Tonga Volcanote erupition-explosion. Geophys. Res. Lett., 51, https://doi.org/10.1029/2024GL112025	Katsuta, S., H. Shinagawa, H. Fujiwara, H. Jin, Y. Miyoshi, Y. Miyoshi, Y. Motizuki, M. Nakajima, K. Nakazawa, K. K. Nobukawa, Y. Otsuka, A. Shinbori, T. Sori, C. Tao, M. S. Tashio, Y. Wada, and T. Yamawaki	X-raying neutral density disturbances in the mesosphere and lower thermosphere induced by the 2022 Hunga-Tonga Volcanote erupition-explosion	Geophys. Res. Lett.	51	10.1029/2024GL112025	2024		1		1
104	Sun, W., X. Zhang, A. V. Artemyev, D. Mourenas, S. K. Morey, V. Angelopoulos, S. Kasahara, Y. Miyoshi, A. Matsuoka, T. Mitani, S. Yokota, T. Hori, K. Keika, T. Takashima, M. Teramoto, I. Shinohara, and K.. Yamamoto (2024). ELFIN-GPS comparison of energetic electron fluxes: modeling low-altitude electron flux mapping to the equatorial magnetosphere. J. Geophys. Res., 129,	Sun, W., X. Zhang, A. V. Artemyev, D. Mourenas, S. K. Morey, V. Angelopoulos, S. Kasahara, Y. Miyoshi, A. Matsuoka, T. Mitani, S. Yokota, T. Hori, K. Keika, T. Takashima, M. Teramoto, I. Shinohara, and K.. Yamamoto	ELFIN-GPS comparison of energetic electron fluxes: modeling low-altitude electron flux mapping to the equatorial magnetosphere	J. Geophys. Res.	129	10.1029/2024JA033155	2024		1	1	1

105	Hosokawa, K., Y. Miyoshi, M. McHarg, V. Ledvia, D. Hampton, M. Lessard, M. Shumko, K. Asamura, T. Sakanoi, T. Mitani, T. Namekawa, M. Nose, Y. Ogawa, A. Jaynes, and A. Halford (2024). Variation of the altitude of auroral emissions during a substorm cycle: Stereoscopic optical observations during the LAMP rocket experiment. J. Geophys. Res., 129, https://doi.org/10.1029/2024JA033036	Hosokawa, K., Y. Miyoshi, M. McHarg, V. Ledvia, D. Hampton, M. Lessard, M. Shumko, K. Asamura, T. Sakanoi, T. Mitani, T. Namekawa, M. Nose, Y. Ogawa, A. Jaynes, and A. Halford	Variation of the altitude of auroral emissions during a substorm cycle: Stereoscopic optical observations during the LAMP rocket experiment	J. Geophys. Res.	129	10.1029/2024JA033036	2024		1	1	1
106	Kurita, S., Y. Miyoshi, S. Saito, S. Kasahara, Y. Katoh, S. Matsuda, S. Yokota, Y. Kasahara, A. Matsuoka, T. Hori, K. Keika, M. Teramoto, and I. Shinohara (2024). Detection of ultrafast electron energization by whistler mode chorus waves in the magnetosphere of Earth. Sci. Reports, 15, https://doi.org/10.1038/s41598-024-	Kurita, S., Y. Miyoshi, S. Saito, S. Kasahara, Y. Katoh, S. Matsuda, S. Yokota, Y. Kasahara, A. Matsuoka, T. Hori, K. Keika, M. Teramoto, and I. Shinohara	Detection of ultrafast electron energization by whistler mode chorus waves in the magnetosphere of Earth	Sci. Reports	15	10.1038/s41598-024-80693-8	2024		1		1
107	Zhang, Z., A. Artemyev, D. Moureneas, V. Angelopoulos, X-J. Zhang, S. Kasahara, Y. Miyoshi, A. Matsuoka, Y. Kasahara, T. Mitani, S. Yokota, T. Hori, K. Keika, T. Takashima, M. Teramoto, S. Matsuda, and. I. Shinohara (2024). Relativistic electron flux decay and recovery: relative roles of EMIC waves, chorus waves, and electron injections. J. Geophys. Res., 129, https://doi.org/10.1029/2024JA033174	Zhang, Z., A. Artemyev, D. Moureneas, V. Angelopoulos, X-J. Zhang, S. Kasahara, Y. Miyoshi, A. Matsuoka, Y. Kasahara, T. Mitani, S. Yokota, T. Hori, K. Keika, T. Takashima, M. Teramoto, S. Matsuda, and. I. Shinohara	Relativistic electron flux decay and recovery: relative roles of EMIC waves, chorus waves, and electron injections	J. Geophys. Res.	129	10.1029/2024JA033174	2024		1	1	1
108	Elliott, S., C. Colpitts, A. W. Breneman, J. M. Pettit, K. A. Cantwell, C. A. Cattell, A. J. Halford, M. Shumko, J. Sample, A. Johnson, Y. Miyoshi, Y. Kasahara, R. N. Troyer, R. Millan, T. Hori, I. Shinohara, S. Matsuda, and A. Matsuoka (2024). A Multi-Platform Statistical Analysis of the Azimuthal Spatial Extent of the Microburst Precipitation Region. J. Geophys. Res., 129, https://doi.org/10.1029/2024JA033208	S. S. Elliott, C. Colpitts, A. W. Breneman, J. M. Pettit, K. A. Cantwell, C. A. Cattell, A. J. Halford, M. Shumko, J. Sample, A. Johnson, Y. Miyoshi, Y. Kasahara, R. N. Troyer, R. Millan, T. Hori, I. Shinohara, S. Matsuda, and A. Matsuoka	A Multi-Platform Statistical Analysis of the Azimuthal Spatial Extent of the Microburst Precipitation Region	J. Geophys. Res.	129	10.1029/2024JA033208	2024		1	1	1
109	Ma, L., Y. Yu, X. Ding, X. Liu, D. An, C. Zhou, J. Cao, and K. Shiokawa (2024). Mid-Latitude Auroras and Energetic Particle Precipitation Occurred Unusually in a Moderate Magnetic Storm on December 1, 2023. Geophys. Res. Lett., 51, https://doi.org/10.1029/2024GL110764	Ma, L., Y. Yu, X. Ding, X. Liu, D. An, C. Zhou, J. Cao, and K. Shiokawa	Mid-Latitude Auroras and Energetic Particle Precipitation Occurred Unusually in a Moderate Magnetic Storm on December 1, 2023	Geophys. Res. Lett.	51	10.1029/2024GL110764	2024		1	1	1
110	Nanjo, S. and K. Shiokawa (2024). Spatial Structures of Blue low-latitude aurora observed from Japan during the extreme geomagnetic storm of May 2024. Earth Planets and Space, 78, https://doi.org/10.1186/s40623-024-02090-9	Nanjo, S. and K. Shiokawa	Spatial Structures of Blue low-latitude aurora observed from Japan during the extreme geomagnetic storm of May 2024	Earth Planets and Space	76	10.1186/s40623-024-02090-9	2024		1		1
111	Upadhyay, K., K. Shiokawa, D. Pallamraju, and A. Gololobov (2024). Determination of electron heat flux in the topside ionosphere and its impact on the vertical profile of OI 630.0 nm emission rate during nighttime SAR arcs for different solar activity conditions. Adv. Space Res., 75, https://doi.org/10.1016/j.asr.2024.12.046	Upadhyay, K., K. Shiokawa, D. Pallamraju, and A. Gololobov	Determination of electron heat flux in the topside ionosphere and its impact on the vertical profile of OI 630.0 nm emission rate during nighttime SAR arcs for different solar activity conditions	Adv. Space Res.	75	10.1016/j.asr.2024.12.046	2024	4731-4739	1	1	
112	Liu, H. (2025). Book review: scientific debates in space science by W. D. Cummings and L. J. Lanzorotti. History of Geo- and Space Sciences, 15, https://doi.org/10.5194/hgss-15-41-2024	Liu, H.	Book review: scientific debates in space science by W. D. Cummings and L. J. Lanzorotti	History of Geo- and Space Sciences	15	10.5194/hgss-15-41-2024	2024		1	1	1
113	Ren, D., Lei, J., Liu, H.-L.,Wang,W.,Yue, J., Huixin Liu, Liu, Y. (2024). On the inverse correlation between the thermosphere winter helium bulge and solar activity: Impact of gravity wave drag from themesosphere. Journal of Geophysical Research: Space Physics, 129, https://doi.org/10.1029/2024JA033189	Ren, D., Lei, J., Liu, H.-L.,Wang,W.,Yue, J., Huixin Liu, Liu, Y.	On the inverse correlation between the thermosphere winter helium bulge and solar activity: Impact of gravity wave drag from themesosphere	Journal of Geophysical Research: Space Physics	129	10.1029/2024JA033189	2024		1	1	1
114	Qiu, L. H., Huixin Liu, Qi, Y., Poblet, F. (2025). Enhanced sporadic E layer and its perturbations during the 2022 Hunga Volcanic Eruption. Space Weather, 22, https://doi.org/10.1029/2023SW003837	Qiu, L. H., Huixin Liu, Qi, Y., Poblet, F.	Enhanced sporadic E layer and its perturbations during the 2022 Hunga Volcanic Eruption	Space Weather	22	10.1029/2023SW003837	2024		1	1	1
115	Poblet, F. L., Huixin Liu, & Chau, J. L. (2024). Third-order structure functions of zonal winds in the thermosphere using CHAMP and GOCE observations. Geophys. Res. Lett., 51, https://doi.org/10.1029/2024GL108367	Poblet, F. L., Huixin Liu, & Chau, J. L.	Third-order structure functions of zonal winds in the thermosphere using CHAMP and GOCE observations	Geophys. Res. Lett.	51	10.1029/2024GL108367	2024		1	1	1
116	Wu, J., L. Deng, J. Praks, M. Anger, P. Oleynik, W. Hajdas, J. D. Wang, S. Y. Zhang, B. Zhou, L. Zeng, J. Cao, D. Fischer, S. Liu, W. Chen, F. Wu, R. C. Xi, X. Li, D. S. W. Abrahao, C. M. Denardini, Y. Li, X. C. Yang, L. Dai, Y. Q. Ma, T. Yu, M. Cai, H. L. Yang, M. Ebrahimi, F. Maurizio, V. Kalegaev, W. Li, Y. Miyoshi, R. Nakamura, A. Petrukovich, D. Baker, and J. C. Worms (2023). CORBES: Radiation belt survey with international small satellite constellation. https://doi.org/10.1016/j.asr.2024.04.051	Wu, J., L. Deng, J. Praks, M. Anger, P. Oleynik, W. Hajdas, J. D. Wang, S. Y. Zhang, B. Zhou, L. Zeng, J. Cao, D. Fischer, S. Liu, W. Chen, F. Wu, R. C. Xi, X. Li, D. S. W. Abrahao, C. M. Denardini, Y. Li, X. C. Yang, L. Dai, Y. Q. Ma, T. Yu, M. Cai, H. L. Yang, M. Ebrahimi, F. Maurizio, V. Kalegaev, W. Li, Y. Miyoshi, R. Nakamura, A. Petrukovich, D. Baker, and J. C. Worms	CORBES: Radiation belt survey with international small satellite constellation	Adv. Space Res.	75	10.1016/j.asr.2024.04.051	2024		1	1	1
117	Oliveira, D. M., R. C. Allen, L. R. Alves, S. P. Blake, B. A. Carter, D. Chakrabarty, G. DAngelo, K. Dalano, E. Echer, C. P. Ferradas, M. G. Finley, B. Gallardo-Lacourt, D. Gershman, J. W. Gjerloev, J. B. Habarulema, M. D. Hartinger, R. Hajra, H. Hayaka, Liisa Juusola, K. M. Laundal, R. J. Leamon, M. Madelaire, M. Martinez-Ledesma, S. M. Mclontosh, Y. Miyoshi, M. B. Moldwin, E. Nahayo, D. Nandy, B. Nilam, K. Nykyri, W. R. Paterson, M. Piersanti, E. Pientoropaolo, C. J. Rodger, T. Shah, A. W. Smith, N. Srivastava, B. T. Tsurutani, S. Tulasi Ram, L. A., Upton, B. Veenadhari, S. Vidal-Luengo, A. Viljanen, S. K. Vines, V. K. Yadav, J-W. Yee, J. W. Weygand, and E. Zesta (2024). Predicting interplanetary shock occurrence for solar cycle 25: Opportunities and challenges in space weather research. Space Weather, 22, https://doi.org/10.1029/2024SW003964	Oliveira, D. M., R. C. Allen, L. R. Alves, S. P. Blake, B. A. Carter, D. Chakrabarty, G. DAngelo, K. Dalano, E. Echer, C. P. Ferradas, M. G. Finley, B. Gallardo-Lacourt, D. Gershman, J. W. Gjerloev, J. B. Habarulema, M. D. Hartinger, R. Hajra, H. Hayaka, Liisa Juusola, K. M. Laundal, R. J. Leamon, M. Madelaire, M. Martinez-Ledesma, S. M. Mclontosh, Y. Miyoshi, M. B. Moldwin, E. Nahayo, D. Nandy, B. Nilam, K. Nykyri, W. R. Paterson, M. Piersanti, E. Pientoropaolo, C. J. Rodger, T. Shah, A. W. Smith, N. Srivastava, B. T. Tsurutani, S. Tulasi Ram, L. A., Upton, B. Veenadhari, S. Vidal-Luengo, A. Viljanen, S. K. Vines, V. K. Yadav, J-W. Yee, J. W. Weygand, and E. Zesta	Predicting interplanetary shock occurrence for solar cycle 25: Opportunies and challenges in space weather research	Space Weather	22	10.1029/2024SW003964	2024		1	1	1
118	Rout, D., Thampi, S. V., Miyoshi, Y., Pant, T. K., and Bhardwaj, A. (2024). The response of the Venusian upper atmosphere during the passage of interplanetary coronal mass ejections. Journal of Geophysical Research: Space Physics, 129, https://doi.org/10.1029/2024JA032553	Rout, D., S. V. Thampi, Y. Miyoshi, T. K. Pant and A. Bhardwaj	The response of the Venusian upper atmosphere during the passage of interplanetary coronal mass ejections	Journal of Geophysical Research: Space Physics	129	10.1029/2024JA032553	2024		1	1	1

119	Ishi, D., Y. Ezoe, R. C. Boden, Y. Miyoshi, K. Ishikawa, H. Nakajima, I. Mitsuishi, M. Numazawa, and Y. Satoh (2024). Estimates of magnetospheric solar wind charge exchange events detectable with GEO-X. Proc. SPIE 13093, Space Telescopes and Instrumentation 2024: Ultraviolet to Gamma Ray, 130937C, https://doi.org/10.1117/12.3017781	Ishi, D., Y. Ezoe, R. C. Boden, Y. Miyoshi, K. Ishikawa, H. Nakajima, I. Mitsuishi, M. Numazawa, and Y. Satoh	Estimates of magnetospheric solar wind charge exchange events detectable with GEO-X	Proc. SPIE 13093, Space Telescopes and Instrumentation 2024: Ultraviolet to Gamma Ray	130937C	10.1117/12.3017781	2024		1	1	1
120	Hayakawa, H., Y. Ebihara, A. Mishev, S. Koldobskiy, K. Kusano, S. Bechet, S. Yashiro, K. Iwai, A. Shinbori, K. Mursula, F. Miyake, D. Shiota, M. V. D. Silveira, R. Stuart, D. M. Oliveira, S. Akiyama, K. Ohnishi, V. Ledvina, and Y. Miyoshi (2024). The Solar and Geomagnetic Storms in 2024 May: A Flash Data Report. Ap. J., 979, https://doi.org/10.3847/1538-4357/ad9335	Hayakawa, H., Y. Ebihara, A. Mishev, S. Koldobskiy, K. Kusano, S. Bechet, S. Yashiro, K. Iwai, A. Shinbori, K. Mursula, F. Miyake, D. Shiota, M. V. D. Silveira, R. Stuart, D. M. Oliveira, S. Akiyama, K. Ohnishi, V. Ledvina, and Y. Miyoshi	The Solar and Geomagnetic Storms in 2024 May: A Flash Data Report	Ap. J.	979	10.3847/1538-4357/ad9335	2024		1	1	1
121	Suarjaya, I. , D. Putri, Y. Tanaka, F. Purnama, I. Bayupati, . Linawati, Y. Kasahara, S. Matsuda, Y. Miyoshi, and I. Shinohara (2024). Deep Learning Model Size Performance Evaluation for Lightning Whistler Detection on Arase Satellite Dataset. Remote Sensing, 16, https://doi.org/10.3390/rs16224264	Suarjaya, I. , D. Putri, Y. Tanaka, F. Purnama, I. Bayupati, . Linawati, Y. Kasahara, S. Matsuda, Y. Miyoshi, and I. Shinohara	Deep Learning Model Size Performance Evaluation for Lightning Whistler Detection on Arase Satellite Dataset	Remote Sensing	16	10.3390/rs16224264	2024		1	1	1
122	Geethakumari, G. P., A. T. Aikio, L. Cai, H. Vanhamäki, I. I. Virtanen, A. Coster, A. Marchaudon, P.-L. Blelly, A. Maute, J. Norberg, S. Oyama, Y. Zhang, and B. S. R. Kunduri (2024). Total electron content variations during an HSS/SIR-driven geomagnetic storm at high and mid latitudes. Journal of Geophysical Research: Space Physics, 129, https://doi.org/10.1029/2024JA033192	Geethakumari, G. P., A. T. Aikio, L. Cai, H. Vanhamäki, I. I. Virtanen, A. Coster, A. Marchaudon, P.-L. Blelly, A. Maute, J. Norberg, S. Oyama, Y. Zhang, and B. S. R. Kunduri	Total electron content variations during an HSS/SIR-driven geomagnetic storm at high and mid latitudes	Journal of Geophysical Research: Space Physics	129	10.1029/2024JA033192	2024				
123	Fu, W., Y. Otsuka, T. Yokoyama, Z. Li, M. Yamamoto, M. Nishioka, H. Jin, K. Hosokawa, and C. Stolle (2024). EISCAT observations of depleted high-latitude F-region during an HSS/SIR-driven magnetic storm. Journal of Geophysical Research: Space Physics, 129, https://doi.org/10.1029/2024JA032910	Fu, W., Y. Otsuka, T. Yokoyama, Z. Li, M. Yamamoto, M. Nishioka, H. Jin, K. Hosokawa, and C. Stolle	EISCAT observations of depleted high-latitude F-region during an HSS/SIR-driven magnetic storm	Journal of Geophysical Research: Space Physics	129	10.1029/2024JA032910	2024		1	1	1
124	Cai, L., A. Aikio, S. Oyama, N. Ivchenko, H. Vanhamäki, I. Virtanen, S. Buchert, M. L. Mekuriaw, and Y. Zhang (2024). Effect of polar cap patches on the high-latitude upper thermospheric winds. Journal of Geophysical Research: Space Physics, 129, https://doi.org/10.1029/2024JA032819	Cai, L., A. Aikio, S. Oyama, N. Ivchenko, H. Vanhamäki, I. Virtanen, S. Buchert, M. L. Mekuriaw, and Y. Zhang	Effect of polar cap patches on the high-latitude upper thermospheric winds	Journal of Geophysical Research: Space Physics	129	10.1029/2024JA032819	2024				
125	Rajput, M., P. R. Shreedevi, R. K. Choudhary, and S. K. Ramatheerthan (2024). Exploring ionospheric p10.1016/j.jastp.2024.106266lasma density trends in the Indian equatorial crest region under varying solar activity conditions. Journal of Atmospheric and Solar-Terrestrial Physics, 262, https://doi.org/	Rajput, M., P. R. Shreedevi, R. K. Choudhary, and S. K. Ramatheerthan	Exploring ionospheric plasma density trends in the Indian equatorial crest region under varying solar activity conditions	Journal of Atmospheric and Solar-Terrestrial Physics	262	10.1016/j.jastp.2024.106266	2024		1	1	1
126	Maheswaran, V. K., Y. Otsuka, J. A. Baskaradas, V. R. Devanaboyina, S. Subramanian, A. Shinbori, T. Sori, M. Nishioka, and S. Perwitasari (2024). Solar activity dependence for the relationship between nighttime medium-scale traveling ionospheric disturbance and sporadic E (Es) layer activities in summer during 1998–2019 over Japan. Earth, Planets and Space, 76, https://doi.org/10.1186/s40623-024-02023-6	Maheswaran, V. K., Y. Otsuka, J. A. Baskaradas, V. R. Devanaboyina, S. Subramanian, A. Shinbori, T. Sori, M. Nishioka, and S. Perwitasari	Solar activity dependence for the relationship between nighttime medium-scale traveling ionospheric disturbance and sporadic E (Es) layer activities in summer during 1998–2019 over Japan	Earth, Planets and Space	76	10.1186/s40623-024-02023-6	2024		1	1	1
127	Wang, X., H. Chen, Y. Omura, Y.-K. Hsieh, L. Chen, Y. Lin, X.-J. Zhang, and Z. Xia (2024). Resonant electron signatures in the formation of chorus wave subpackets. Geophysical Research Letters, 51, https://doi.org/10.1029/2023GL108000	Wang, X., H. Chen, Y. Omura, Y.-K. Hsieh, L. Chen, Y. Lin, X.-J. Zhang, and Z. Xia	Resonant electron signatures in the formation of chorus wave subpackets	Geophysical Research Letters	51	10.1029/2023GL108000	2024		1	1	1
128	Chen, H., X. Wang, L. Chen, X.-J. Zhang, Y. Omura, R. Chen, Y.-K. Hsieh, Y. Lin, and Z. Xia (2024). Nonlinear electron trapping through cyclotron resonance in the formation of chorus subpackets. Geophysical Research Letters, 51, https://doi.org/10.1029/2024GL109481	Chen, H., X. Wang, L. Chen, X.-J. Zhang, Y. Omura, R. Chen, Y.-K. Hsieh, Y. Lin, and Z. Xia	Nonlinear electron trapping through cyclotron resonance in the formation of chorus subpackets	Geophysical Research Letters	51	10.1029/2024GL109481	2024		1	1	1
129	Sekine, T., Omura, Y., Summers, D., Hsieh, Y.-K., & Nakamura, S. (2024). Particle acceleration in Jupiter's ion radiation belts by nonlinear wave trapping. Journal of Geophysical Research: Space Physics, 129, https://doi.org/10.1029/2023JA031879	Sekine, T., Omura, Y., Summers, D., Hsieh, Y.-K., and Nakamura, S.	Particle acceleration in Jupiter's ion radiation belts by nonlinear wave trapping	Journal of Geophysical Research: Space Physics	129	10.1029/2023JA031879	2024		1	1	1
130	Chen, H., X. Wang, H. Zhao, Y. Lin, L. Chen, Y. Omura, R. Chen, and Y.-K. Hsieh (2024). Electron dynamics associated with advection and diffusion in self-consistent wave-particle interactions with oblique chorus waves. Geophysical Research Letters, 51, https://doi.org/10.1029/2024GL110362	Chen, H., X. Wang, H. Zhao, Y. Lin, L. Chen, Y. Omura, R. Chen, and Y.-K. Hsieh	Electron dynamics associated with advection and diffusion in self-consistent wave-particle interactions with oblique chorus waves	Geophysical Research Letters	51	10.1029/2024GL110362	2024		1	1	1
131	Klenzing J, Zawdie K, Astafyeva E, Belehaki A, Burleigh M, Burrell AG, Figueiredo CAOB, Frissell NA, Fu W, Hickey D, Huba J, Inchin P, Kaeppler SR, Narayanan VL, Sivankandan M, Smith JM, Xiong C, Yokoyama T, Zettergren M and Zhang S-R (2025). Resolving the generation mechanisms and electrodynamical effects of Medium Scale Traveling Ionospheric Disturbances (MSTIDs). Front. Astron. Space Sci., 12, https://doi.org/10.3389/fspas.2025.1539821	Klenzing J, Zawdie K, Astafyeva E, Belehaki A, Burleigh M, Burrell AG, Figueiredo CAOB, Frissell NA, Fu W, Hickey D, Huba J, Inchin P, Kaeppler SR, Narayanan VL, Sivankandan M, Smith JM, Xiong C, Yokoyama T, Zettergren M and Zhang S-R	Resolving the generation mechanisms and electrodynamical effects of Medium Scale Traveling Ionospheric Disturbances (MSTIDs)	Front. Astron. Space Sci.	12	10.3389/fspas.2025.1539821	2025		1	1	1
132	Sugimura, R., K. Shiokawa, Y. Otsuka, S. Oyama, A. Oksanen, M. Connors, A. Kadokura, I. Poddelsky, N. Nishitani, S. G. Shepherd, J. M. Ruohoniemi, C. Smith, H. Spence, G. Reeves, H. O. Funsten, Y. Miyoshi, I. Shinohara, Y. Kasahara, F. Tsuchiya, A. Kumamoto, A. Shinbori, K. Asamura, S. Yokota, Y. Kazama, C.-W. Jun, S.-Y. Wang, S. W. Y. Tam, T.-F. Chang, B.-J. Wang, S.Kasahara, K. Keika, T. Hori, and A. Matsuoka (2025). Multi-event analysis of STEVE, SAR arc, and red/green arc at subauroral latitudes using data from ground optical and radio instruments and the Arase and Van Allen Probes satellites. Journal of Geophysical Research, 129, https://doi.org/10.1029/2024JA032793	Sugimura, R., K. Shiokawa, Y. Otsuka, S. Oyama, A. Oksanen, M. Connors, A. Kadokura, I. Poddelsky, N. Nishitani, S. G. Shepherd, J. M. Ruohoniemi, C. Smith, H. Spence, G. Reeves, H. O. Funsten, Y. Miyoshi, I. Shinohara, Y. Kasahara, F. Tsuchiya, A. Kumamoto, A. Shinbori, K. Asamura, S. Yokota, Y. Kazama, C.-W. Jun, S.-Y. Wang, S. W. Y. Tam, T.-F. Chang, B.-J. Wang, S.Kasahara, K. Keika, T. Hori, and A. Matsuoka	Multi-event analysis of STEVE, SAR arc, and red/green arc at subauroral latitudes using data from ground optical and radio instruments and the Arase and Van Allen Probes satellites	Journal of Geophysical Research	129	10.1029/2024JA032793	2025		1	1	1
133	Xiong, Y. T., Huixin Liu, R. Shi, D. Han (2025). Generation of quasi-periodic dayside medium scale traveling ionospheric disturbances (MSTIDs) by intermittent lobe reconnection. Geophys. Res. Lett., 52, https://doi.org/10.1029/2024GL113857	Xiong, Y. T., Huixin Liu, R. Shi, D. Han	Generation of quasi-periodic dayside medium scale traveling ionospheric disturbances (MSTIDs) by intermittent lobe reconnection	Geophys. Res. Lett.	52	10.1029/2024GL113857	2025		1	1	1
134	Qiu, L., Huixin Liu (2025). Modelling of three-dimensional structure and dynamics of the large-scale sporadic E layers over East Asia. J. Geophys. Res., 130, https://doi.org/10.1029/2024EA033270	Qiu, L., Huixin Liu	Modelling of three-dimensional structure and dynamics of the large-scale sporadic E layers over East Asia	J. Geophys. Res.	130	10.1029/2024EA033270	2025		1	1	1
135	Teraoka, S., Huixin Liu, M. Nishioka, S. Saito, T. Takahashi, A. Kumamoto, Y. Ashihara, T. Abe (2025). Calibration of h'Es from VIPIR2 ionosondes in Japan. Earth, Planets and Space, 77, https://doi.org/10.1186/s40623-025-02138-4	Teraoka, S., Huixin Liu, M. Nishioka, S. Saito, T. Takahashi, A. Kumamoto, Y. Ashihara, T. Abe	Calibration of h'Es from VIPIR2 ionosondes in Japan	Earth, Planets and Space	77	10.1186/s40623-025-02138-4	2025		1	1	1

136	Kogure, M., J. Yue, M. Chou, Huixin Liu, Y. Otsuka, C. E. Randall, L. Hoffmann, Y. Hozumi (2025). Coincident/Simultaneous Observations of Stratospheric Concentric Gravity Waves and Concentric Traveling Ionospheric Disturbances over the Continental U.S. in 2022. J. Geophys. Res., 130, https://doi.org/10.1029/2024JA033429	Kogure, M., J. Yue, M. Chou, Huixin Liu, Y. Otsuka, C. E. Randall, L. Hoffmann, Y. Hozumi	Coincident/Simultaneous Observations of Stratospheric Concentric Gravity Waves and Concentric Traveling Ionospheric Disturbances over the Continental U.S. in 2022	J. Geophys. Res.	130	10.1029/2024JA033429	2025		1	1	1
137	Nagata, N., Huixin Liu, H. Nakagawa (2025). Wave spectral changes in the thermosphere and ionosphere related to the PEDE 2018 dust event on Mars observed by MAGEN NGIMS. J. Geophys. Res., 130, https://doi.org/10.1029/2024JA033014	Nagata, N., Huixin Liu, H. Nakagawa	Wave spectral changes in the thermosphere and ionosphere related to the PEDE 2018 dust event on Mars observed by MAGEN NGIMS	J. Geophys. Res.	130	10.1029/2024JA033014	2025		1	1	1
138	Yu, T., X. Cai, Z. Ren, Huixin Liu, L. Qiu, H. Ma, S. Li, K. Wu (2025). Local Time Variations of Quiet Time Meridional Winds during Solar Minimum Solstices based on ICON Observations and Numerical Simulations. Earth and Space Science, 12, https://doi.org/10.1029/2024EA003880	Yu, T., X. Cai, Z. Ren, Huixin Liu, L. Qiu, H. Ma, S. Li, K. Wu	Local Time Variations of Quiet Time Meridional Winds during Solar Minimum Solstices based on ICON Observations and Numerical Simulations	Earth and Space Science	12	10.1029/2024EA003880	2025		1	1	1
139	Rios, M. G. T. J., C. Borries, Huixin Liu, J. Mielich (2025). Long-term changes in the dependence of NmF2 on solar flux at Juliusruh. Ann. Geophys., 43, https://dor.org/10.5194/angeo-43-73-2025	Rios, M. G. T. J., C. Borries, Huixin Liu, J. Mielich	Long-term changes in the dependence of NmF2 on solar flux at Juliusruh	Ann. Geophys.	43	10.5194/angeo-43-73-2025	2025	73-89	1	1	1
140	Yoshiura, S., Y. Otsuka, C. M. Trott, D. Null, N. Nishitani, K. Takahashi, M. Nishioka, S. Perwitasari, A. Shinbori (2025). Strong ionospheric activity at the MWA site associated with plasma bubble measured by GNSS. Publications of the Astronomical Society of Japan, psaf024, https://doi.org/10.1093/pasj/psaf024	Yoshiura, S., Y. Otsuka, C. M. Trott, D. Null, N. Nishitani, K. Takahashi, M. Nishioka, S. Perwitasari, A. Shinbori	Strong ionospheric activity at the MWA site associated with plasma bubble measured by GNSS	Publications of the Astronomical Society of Japan	psaf024	10.1093/pasj/psaf024	2025		1	1	
141	Yacoub, M., M. Abdelwahab, K. Shiokawa, and A. Mahrous (2025). Estimating the drift velocity of equatorial plasma bubbles by tracking SIFT and SURF points. Adv. Space Res., 75, https://doi.org/10.1016/j.asr.2024.09.071	Yacoub, M., M. Abdelwahab, K. Shiokawa, and A. Mahrous	Estimating the drift velocity of equatorial plasma bubbles by tracking SIFT and SURF points	Adv. Space Res.	75	10.1016/j.asr.2024.09.071	2025		1	1	
142	Sugimura, R., K. Shiokawa, Y. Otsuka, S. Oyama, A. Oksanen, M. Connors, A. Kadokura, I. Poddelsky, N. Nishitani, S. G. Shepherd, J. M. Ruohoniemi, C. Smith, H. Spence, G. Reeves, H. O. Funsten, Y. Miyoshi, I. Shinohara, Y. Kasahara, F. Tsuchiya, A. Kumamoto, A. Shinbori, K. Asamura, S. Yokota, Y. Kazama, C.-W. Jun, S.-Y. Wang, S. W. Y. Tam, T.-F. Chang, B.-J. Wang, S.Kasahara, K. Keika, T. Hori, A. Matsuoka (2025). Multi-event analysis of STEVE, SAR arc, and red/green arc at subauroral latitudes using data from ground optical and radio instruments and the Arase and Van Allen Probes satellites. J. Geophys. Res., 130, https://doi.org/10.1029/2024JA032793	Sugimura, R., K. Shiokawa, Y. Otsuka, S. Oyama, A. Oksanen, M. Connors, A. Kadokura, I. Poddelsky, N. Nishitani, S. G. Shepherd, J. M. Ruohoniemi, C. Smith, H. Spence, G. Reeves, H. O. Funsten, Y. Miyoshi, I. Shinohara, Y. Kasahara, F. Tsuchiya, A. Kumamoto, A. Shinbori, K. Asamura, S. Yokota, Y. Kazama, C.-W. Jun, S.-Y. Wang, S. W. Y. Tam, T.-F. Chang, B.-J. Wang, S.Kasahara, K. Keika, T. Hori, A. Matsuoka	Multi-event analysis of STEVE, SAR arc, and red/green arc at subauroral latitudes using data from ground optical and radio instruments and the Arase and Van Allen Probes satellites	J. Geophys. Res.	130	10.1029/2024JA032793	2025		1	1	1
143	Krishnan, L. G., Shiokawa, K., Pant, T. K. and Vichare (2025). Signatures of the long duration prompt penetration electric field in the 18 MHz HF radar observations over Thumba. J. Geophys. Res., 130, https://doi.org/10.1029/2024JA033140	Krishnan, L. G., Shiokawa, K., Pant, T. K. and Vichare	Signatures of the long duration prompt penetration electric field in the 18 MHz HF radar observations over Thumba	J. Geophys. Res.	130	10.1029/2024JA033140	2025		1	1	1
144	Sugimura, R., K. Shiokawa, Y. Miyoshi, C. Smith, H. Spence, and G. Reeves (2025). Statistical analysis of Van Allen Probes-B observations of stable auroral red arc intervals in the overlap region between the plasmasphere and the ring current. Journal of Geophysical Research, 130, https://doi.org/10.1029/2024JA032893	Sugimura, R., K. Shiokawa, Y. Miyoshi, C. Smith, H. Spence, and G. Reeves	Statistical analysis of Van Allen Probes-B observations of stable auroral red arc intervals in the overlap region between the plasmasphere and the ring current	Journal of Geophysical Research	130	10.1029/2024JA032893	2025		1	1	1
145	Krishnan, L. G., K. Shiokawa, T. K. Pant, G. Lu, P. R. Shreedevi, Y. Otsuka and S. Sunda (2025). Responses of the Daytime Low and Equatorial Ionosphere and Thermosphere over the Indian Region during the Geomagnetic Storm of April 2023. J. Geophys. Res., 130, https://doi.org/10.1029/2024JA033141	Krishnan, L. G., K. Shiokawa, T. K. Pant, G. Lu, P. R. Shreedevi, Y. Otsuka and S. Sunda	Responses of the Daytime Low and Equatorial Ionosphere and Thermosphere over the Indian Region during the Geomagnetic Storm of April 2023	J. Geophys. Res.	130	10.1029/2024JA033141	2025		1	1	1
146	Hirai, A., F. Tsuchiya, T. Obara, Y. Miyoshi, Y. Katoh, Y. Kasaba, K. Shiokawa, A. Kumamoto, Y. Kasahara, S. Matsuda, H. Misawa, S. Kurita, C.-W. Jun, H. Ohya, M. G Connors (2025). Properties of EMIC waves and EMIC wave-driven electron precipitation in subauroral latitudes observed at Athabasca, Canada. J. Geophys. Res., 130, https://doi.org/10.1029/2024JA033357	Hirai, A., F. Tsuchiya, T. Obara, Y. Miyoshi, Y. Katoh, Y. Kasaba, K. Shiokawa, A. Kumamoto, Y. Kasahara, S. Matsuda, H. Misawa, S. Kurita, C.-W. Jun, H. Ohya, M. G Connors	Properties of EMIC waves and EMIC wave-driven electron precipitation in subauroral latitudes observed at Athabasca, Canada	J. Geophys. Res.	130	10.1029/2024JA033357	2025		1	1	1
147	Yacoub, M., M. Abdelwahab, K. Shiokawa, and A. Mahrous (2025). Automatic Detection of Equatorial Plasma Bubbles in Airglow Images Using Two-Dimensional Principal Component Analysis and Explainable Artificial Intelligence. Mach. Learn. Knowl. Extr., 7, https://doi.org/10.3390/make7010026	Yacoub, M., M. Abdelwahab, K. Shiokawa, and A. Mahrous	Automatic Detection of Equatorial Plasma Bubbles in Airglow Images Using Two-Dimensional Principal Component Analysis and Explainable Artificial Intelligence	Mach. Learn. Knowl. Extr.	7	10.3390/make7010026	2025		1	1	1
148	Martinez-Calderon; C., K. Shiokawa; O. Santolik; S. Kurita; K. Keika; M. Connors; I. Schofield; M. Hanzelka; and W. Kurth (2025). Simultaneous ground-satellite observations of ELF/VLF emissions generated by a strong magnetospheric compression. Earth Planets and Space, 77, https://doi.org/10.1186/s40623-025-	Martinez-Calderon; C., K. Shiokawa; O. Santolik; S. Kurita; K. Keika; M. Connors; I. Schofield; M. Hanzelka; and W. Kurth	Simultaneous ground-satellite observations of ELF/VLF emissions generated by a strong magnetospheric compression	Earth Planets and Space	77	10.1186/s40623-025-02170-4	2025		1	1	1
149	Ankita, M., S. Tulasi Ram, T. Yokoyama, R. T. Tsunoda, A. P. Dimri, S. Mondal, and Chinmaya. Nayak (2025). Satellite Traces: Ionogram Signatures of Bottom-Side Upwelling Structures - A Simulation Study. Geophys. Res. Lett., 52, https://doi.org/10.1029/2024GL114119	Ankita, M., S. Tulasi Ram, T. Yokoyama, R. T. Tsunoda, A. P. Dimri, S. Mondal, and Chinmaya. Nayak	Satellite Traces: Ionogram Signatures of Bottom-Side Upwelling Structures - A Simulation Study	Geophys. Res. Lett.	52	10.1029/2024GL114119	2025		1	1	1
150	Watanabe, S. , D. Bilitza, F. Tsuchiya, A. Kumamoto, Y. Miyoshi, Y. Kasahara, T. Hori, A. Shinbori, A. Matsuoka, and I. Shinohara (2025). Satellite observations and modeling of the plasmapause structure and dynamics. Adv. Space Res., 75, https://doi.org/10.1016/j.asr.2024.10.015.	Watanabe, S. , D. Bilitza, F. Tsuchiya, A. Kumamoto, Y. Miyoshi, Y. Kasahara, T. Hori, A. Shinbori, A. Matsuoka, and I. Shinohara	Satellite observations and modeling of the plasmapause structure and dynamics	Adv. Space Res.	75	10.1016/j.asr.2024.10.015	2025		1	1	1
151	Jun, C. , Y. Miyoshi, T. Hori, N. Kitamura, K. Kim, J. Lee, J. Bortnik, L. Lyons, I. Shinohara, A. Matsuoka, Y. Kasahara, S. Matsuda, Y. Kasaba, M. Teramoto, K. Yamamoto, A. Shinbori (2025). Arase in situ observations of high-frequency electromagnetic ion cyclotron (EMIC) waves in regions close to the Earth during the May 2024 storm. Geophysical Research Letters, 52,	Jun, C. , Y. Miyoshi, T. Hori, N. Kitamura, K. Kim, J. Lee, J. Bortnik, L. Lyons, I. Shinohara, A. Matsuoka, Y. Kasahara, S. Matsuda, Y. Kasaba, M. Teramoto, K. Yamamoto, A. Shinbori	Arase in situ observations of high-frequency electromagnetic ion cyclotron (EMIC) waves in regions close to the Earth during the May 2024 storm	Geophysical Research Letters	52	10.1029/2024GL112489	2025		1	1	1
152	Nakamizo, A., M. Nakamura, T. Nagatsuma, Y. Kubota, K. Koga, H. Matsumoto, and Y. Miyoshi (2025). Development of a Surface Charging Assessment System for the GEO Region by Combining Global Magnetosphere MHD and Spacecraft Charging Models. IEEE Transactions on Plasma Science, 54, https://doi.org/10.1109/TPS.2024.3519295	Nakamizo, A., M. Nakamura, T. Nagatsuma, Y. Kubota, K. Koga, H. Matsumoto, and Y. Miyoshi	Development of a Surface Charging Assessment System for the GEO Region by Combining Global Magnetosphere MHD and Spacecraft Charging Models	IEEE Transactions on Plasma Science	54	10.1109/TPS.2024.3519295	2025		1		1

153	Takahara, R., I. Shinohara, S. Kasahara, K. Asamura, S. Yokota, K. Keika, Y. Kazama, S.-Y. Wang, S.W.Y. Tam, T.-F. Chang, B.-J. Wang, C.-W. Jun, T. Hori, A. Matsuoka, M. Teramoto, K. Yamamoto, Y. Kasahara, S. Matsuda, A. Kumamoto, A. Shinbori, F. Tsuchiya, and Y. Miyoshi (2025). Statistical survey of loss cone electrons observed in situ in the inner magnetosphere. Geophysical Research Letters, 52, https://doi.org/10.1029/2024GL112948	Takahara, R., I. Shinohara, S. Kasahara, K. Asamura, S. Yokota, K. Keika, Y. Kazama, S.-Y. Wang, S.W.Y. Tam, T.-F. Chang, B.-J. Wang, C.-W. Jun, T. Hori, A. Matsuoka, M. Teramoto, K. Yamamoto, Y. Kasahara, S. Matsuda, A. Kumamoto, A. Shinbori, F. Tsuchiya, and Y. Miyoshi	Statistical survey of loss cone electrons observed in situ in the inner magnetosphere	Geophysical Research Letters	52	10.1029/2024GL112948	2025		1	1	1
154	Kurita, S. , Y. Miyoshi, S. Kasahara, S. Yokota, Y. Kasahara, S. Matsuda, A. Kumamoto, F. Tsuchiya, A. Matsuoka, T. Hori, K. Keika, M. Teramoto, K. Yamamoto, and I. Shinohara (2025). Direct evidence for electron pitch angle scattering driven by electrostatic cyclotron harmonic waves. Geophysical Research Letters, 52, https://doi.org/10.1029/2024GL113188	Kurita, S. , Y. Miyoshi, S. Kasahara, S. Yokota, Y. Kasahara, S. Matsuda, A. Kumamoto, F. Tsuchiya, A. Matsuoka, T. Hori, K. Keika, M. Teramoto, K. Yamamoto, and I. Shinohara	Direct evidence for electron pitch angle scattering driven by electrostatic cyclotron harmonic waves	Geophysical Research Letters	52	10.1029/2024GL113188	2025		1		1
155	Ivarsen, M. , Y. Miyashita, J. St-Maurice, G. Hussey, B. Pitzel, D. Galeschuk, S. Marei, R. Horne, Y. Kasahara, S. Matsuda, S. Kasahara, K. Keika, Y. Miyoshi, K. Yamamoto, A. Shinbori, D. Huyghebaert, A. Matsuoka, S. Yokota, and F. Tsuchiya (2025). Characteristic E-Region Plasma Signature of Magnetospheric Wave-Particle Interactions. Phys. Rev. Lett., 134, https://doi.org/10.1103/PhysRevLett.134.145201	Ivarsen, M. , Y. Miyashita, J. St-Maurice, G. Hussey, B. Pitzel, D. Galeschuk, S. Marei, R. Horne, Y. Kasahara, S. Matsuda, S. Kasahara, K. Keika, Y. Miyoshi, K. Yamamoto, A. Shinbori, D. Huyghebaert, A. Matsuoka, S. Yokota, and F. Tsuchiya	Characteristic E-Region Plasma Signature of Magnetospheric Wave-Particle Interactions	Phys. Rev. Lett.	134	10.1103/PhysRevLett.134.145201	2025		1	1	1
156	Tokuda, S. , T. Zushi, S. Kurita, H. Kojima, S. Kasahara, S. Yokota, K. Keika, T. Hori, Y. Kasahara, S. Matsuda, A. Matsuoka, M. Teramoto, K. Yamamoto, Y. Miyoshi, and I. Shinohara (2025). Statistical investigation of deformation of electron pitch angle distributions associated with chorus waves observed by the Arase satellite. Journal of Geophysical Research: Space Physics, 130, https://doi.org/10.1029/2024JA033684	Tokuda, S. , T. Zushi, S. Kurita, H. Kojima, S. Kasahara, S. Yokota, K. Keika, T. Hori, Y. Kasahara, S. Matsuda, A. Matsuoka, M. Teramoto, K. Yamamoto, Y. Miyoshi, and I. Shinohara	Statistical investigation of deformation of electron pitch angle distributions associated with chorus waves observed by the Arase satellite	Journal of Geophysical Research: Space Physics	130	10.1029/2024JA033684	2025		1		1
157	Jun, C. , Y. Miyoshi, T. Hori, J. Bortnik, L. Lyons, K. Kim, T. Mitani, T. Takashima, I. Shinohara, N. Higashio, A. Matsuoka, K. Yamamoto, and M. Teramoto (2025). In situ observations of the influence of nonlinear EMIC waves on relativistic electrons in the outer radiation belt. Geophysical Research Letters, 52, https://doi.org/10.1029/2024GL113855	Jun, C. , Y. Miyoshi, T. Hori, J. Bortnik, L. Lyons, K. Kim, T. Mitani, T. Takashima, I. Shinohara, N. Higashio, A. Matsuoka, K. Yamamoto, and M. Teramoto	In situ observations of the influence of nonlinear EMIC waves on relativistic electrons in the outer radiation belt	Geophysical Research Letters	52	10.1029/2024GL113855	2025		1	1	1
158	Feng, H., D. Wang, Y. Y. Shprits, A. Smirnov, D. Guo, Y. Miyoshi, S. Bianco, S. Teng, R. Shi, S. Zhou, and Y. Zhang (2025). A Kp-driven machine learning model predicting the Ultraviolet emission auroral oval. Journal of Geophysical Research: Machine Learning and Computation, 2, https://doi.org/10.1029/2024JH000543	Feng, H., D. Wang, Y. Y. Shprits, A. Smirnov, D. Guo, Y. Miyoshi, S. Bianco, S. Teng, R. Shi, S. Zhou, and Y. Zhang	A Kp-driven machine learning model predicting the Ultraviolet emission auroral oval	Journal of Geophysical Research: Machine Learning and Computation	2	10.1029/2024JH000543	2025		1	1	1
159	Ampuku, Y., F. Tsuchiya, S. Kurita, Y. Kasaba, Y. Katoh, M. Fukizawa, Y. Miyoshi, I. Shinohara, Y. Kasahara, S. Matsuda, A. Kumamoto, A. Matsuoka, M. Kitahara, O. Santolik (2025). Ducted propagation of whistler mode waves observed by the Arase satellite. Journal of Geophysical Research: Space Physics, 130, https://doi.org/10.1029/2024JA033359	Ampuku, Y., F. Tsuchiya, S. Kurita, Y. Kasaba, Y. Katoh, M. Fukizawa, Y. Miyoshi, I. Shinohara, Y. Kasahara, S. Matsuda, A. Kumamoto, A. Matsuoka, M. Kitahara, O. Santolik	Ducted propagation of whistler mode waves observed by the Arase satellite	Journal of Geophysical Research: Space Physics	130	10.1029/2024JA033359	2025		1	1	1
160	Momose, R., Y. Matsumoto, and Y. Miyoshi (2025). Estimation of reconnection rate from soft X-ray emission at the Earth's dayside magnetopause. Geophysical Research Letters, 52, https://doi.org/10.1029/2024GL114342	Momose, R., Y. Matsumoto, and Y. Miyoshi	Estimation of reconnection rate from soft X-ray emission at the Earth's dayside magnetopause	Geophysical Research Letters	52	10.1029/2024GL114342	2025		1		1
161	Yan, L., W. Liu, D. Zhang, Z. Wang, T. E. Sarris, X. Li, X. Tong, Y. Kasaba, Y. Miyoshi, T. Hori, and I. Shinohara (2025). Latitudinal distributions and harmonic characteristics of Pc3-5 waves in electric field measured by Arase Satellite. Journal of Geophysical Research: Space Physics, 130, e2025JA033998.	Yan, L., W. Liu, D. Zhang, Z. Wang, T. E. Sarris, X. Li, X. Tong, Y. Kasaba, Y. Miyoshi, T. Hori, and I. Shinohara	Latitudinal distributions and harmonic characteristics of Pc3-5 waves in electric field measured by Arase Satellite	Journal of Geophysical Research: Space Physics	130	10.1029/2025JA033998	2025		1	1	1
162	Chen, R., Y. Miyoshi, H. Zhao, H. Chen, X. Wang, Y. Kasahara, S. Matsuda, T. Hori, F. Tsuchiya, A. Kumamoto, A. Shinbori, S. Kasahara, S. Yokota, K. Keika, T. Mitani, T. Takashima, A. Matsuoka, M. Teramoto, K. Yamamoto, and I. Shinohara (2025). Observational evidence for the nonlineargrowth of chorus waves caused bysubstorm injected energetic electrons. J. Geophys. Res., 130, https://doi.org/10.1029/2025JA033931	Chen, R., Y. Miyoshi, H. Zhao, H. Chen, X. Wang, Y. Kasahara, S. Matsuda, T. Hori, F. Tsuchiya, A. Kumamoto, A. Shinbori, S. Kasahara, S. Yokota, K. Keika, T. Mitani, T. Takashima, A. Matsuoka, M. Teramoto, K. Yamamoto, and I. Shinohara	Observational evidence for the nonlineargrowth of chorus waves caused bysubstorm injected energetic electrons	J. Geophys. Res.	130	10.1029/2025JA033931	2025		1	1	1
163	Yamakawa, T., K.Seki, Y. Miyoshi, A. Nakamizo, and K. Yamamoto (2025). Excitation of storm-time Pc5 ULF waves during the 22 July 2009 storm: Comparison of GOES, ground observations, and GEMSIS coupled simulation. Journal of Geophysical Research: Space Physics, 130, https://doi.org/10.1029/2024JA033647	Yamakawa, T., K.Seki, Y. Miyoshi, A. Nakamizo, and K. Yamamoto	Excitation of storm-time Pc5 ULF waves during the 22 July 2009 storm: Comparison of GOES, ground observations, and GEMSIS coupled simulation	Journal of Geophysical Research: Space Physics	130	10.1029/2024JA033647	2025		1		1
164	Artemyv, A. V., V. Angelopoulos, X.-J. Zhang, J. Bortnik, Y. Miyoshi, C. Wilkins, S. Kasahara, T. Hori, A. Matsuoka, T. Mitani, T. Takashima, M. Teramoto, K. Yamamoto, and I. Shinohara (2025). Coupling between Earth's magnetotail and the outer radiation belt via field-line curvature scattering. Journal of Geophysical Research: Space Physics, 130, https://doi.org/10.1029/2025JA034184	Artemyv, A. V., V. Angelopoulos, X.-J. Zhang, J. Bortnik, Y. Miyoshi, C. Wilkins, S. Kasahara, T. Hori, A. Matsuoka, T. Mitani, T. Takashima, M. Teramoto, K. Yamamoto, and I. Shinohara	Coupling between Earth's magnetotail and the outer radiation belt via field-line curvature scattering	Journal of Geophysical Research: Space Physics	130	10.1029/2025JA034184	2025		1	1	1
165	Hughes, J. , I. Collett, C. Nasr, A. Newheart, R. Kelly, S. Thaller, R. Patel, C. Johnstone, E. Vance, H. Wang, N. Re, B. Tatman, Y. Kasahara, S. Matsuda, A. Kumamoto, F. Tsuchiya, T. Hori, A. Shinbori, A. Matsuoka, M. Teramoto, K. Yamamoto, Y. Miyoshi, and I. Shinohara (2025). Observations and Statistical Studies of Orbit-Driven Plasma Waves in Low Earth Orbit at V, ery Low Frequencies. Adv. Space Res., 76, https://doi.org/10.1016/j.asr.2025.07.013	Hughes, J. , I. Collett, C. Nasr, A. Newheart, R. Kelly, S. Thaller, R. Patel, C. Johnstone, E. Vance, H. Wang, N. Re, B. Tatman, Y. Kasahara, S. Matsuda, A. Kumamoto, F. Tsuchiya, T. Hori, A. Shinbori, A. Matsuoka, M. Teramoto, K. Yamamoto, Y. Miyoshi, and I. Shinohara	Observations and Statistical Studies of Orbit-Driven Plasma Waves in Low Earth Orbit at Very Low Frequencies	Adv. Space Res.	76	10.1016/j.asr.2025.07.013	2025		1	1	1
166	Verronen, P. T., A. Mizuno, Y. Miyoshi, S. Kumar, T. Nakajima, S-I. Oyama, T. Nagahama, S. Nozawa, M. E. Szelag, T Hakkila, N. Kalakoski, A. Kero, E. Turunen, S. Kasahara, S. Yokota, K. Keika, T. Hori, T. Mitani, T. Takashima, and I. Shinohara (2025). Electron-Driven Variability of the Upper Atmospheric Nitric Oxide Column Density Over the Syowa Station in Antarctica. Ann. Geophys., 43, https://doi.org/10.5194/angeo-43-561-2025	Verronen, P. T., A. Mizuno, Y. Miyoshi, S. Kumar, T. Nakajima, S-I. Oyama, T. Nagahama, S. Nozawa, M. E. Szelag, T Hakkila, N. Kalakoski, A. Kero, E. Turunen, S. Kasahara, S. Yokota, K. Keika, T. Hori, T. Mitani, T. Takashima, and I. Shinohara	Electron-Driven Variability of the Upper Atmospheric Nitric Oxide Column Density Over the Syowa Station in Antarctica	Ann. Geophys.	43	10.5194/angeo-43-561-2025	2025		1	1	1

167	Ivarsen, M. F., J.-P. St-Maurice, G. C. Hussey, D. Billet, D. R. Huyghebaert, Y. Jin, Y. Miyashita, S. Kasahara, K. Song, P. T. Jayachandran, S. Yokota, Y. Miyoshi, K. Yamamoto, A. Shinbori, Y. Kasahara, I. Shinohara and A. Matsuoka (2025). Eastward transients in the dayside ionosphere I: electrodynamics on closed field-lines. Phys. Rev. E., 112, https://doi.org/10.5194/angeo-43-561-2025	Ivarsen, M. F., J.-P. St-Maurice, G. C. Hussey, D. Billet, D. R. Huyghebaert, Y. Jin, Y. Miyashita, S. Kasahara, K. Song, P. T. Jayachandran, S. Yokota, Y. Miyoshi, K. Yamamoto, A. Shinbori, Y. Kasahara, I. Shinohara and A. Matsuoka	Eastward transients in the dayside ionosphere I: electrodynamics on closed field-lines	Phys. Rev. E.	112	10.1103/r6bv-pzlq	2025		1	1	1
168	Lou, Y. , B. Ni, X. Cao, Q. Ma, Y. Miyoshi, D. Wang, S. Chen, J. Li, X. Gu, X. Ma, Q. Zhu, Y. Kasahara, S. Matsuda, A. Shinbori, A. Matsuoka, M. Teramoto, K. Yamamoto, and I. Shinohara (2025). Distinct Global Distribution of Electrostatic Electron Cyclotron Harmonic Waves in Earth's Magnetosphere Revealed by Multi-satellite Observations. Geophys. Res. Lett., 52, https://doi.org/10.1029/2025GL117276	Lou, Y. , B. Ni, X. Cao, Q. Ma, Y. Miyoshi, D. Wang, S. Chen, J. Li, X. Gu, X. Ma, Q. Zhu, Y. Kasahara, S. Matsuda, A. Shinbori, A. Matsuoka, M. Teramoto, K. Yamamoto, and I. Shinohara	Distinct Global Distribution of Electrostatic Electron Cyclotron Harmonic Waves in Earth's Magnetosphere Revealed by Multi-satellite Observations	Geophys. Res. Lett.	52	10.1029/2025GL117276	2025		1	1	1
169	Shreedevi, P. R., A. S. Nair, Y. Miyoshi, S. C. ZBuchert, Y. Otsuka, A. Shinbori, L. G. Krishnan, S. Perwitasari, and M. Nishioka (2025). Superstorm-driven electron temperature (Te) anomalies in the topside low-latitude ionosphere: Role of the Equatorial Ionization Anomaly (EIA). Earth, Planets and Space, 77, https://doi.org/10.1186/s40623-025-02282-x	Shreedevi, P. R., A. S. Nair, Y. Miyoshi, S. C. ZBuchert, Y. Otsuka, A. Shinbori, L. G. Krishnan, S. Perwitasari, and M. Nishioka	Superstorm-driven electron temperature (Te) anomalies in the topside low-latitude ionosphere: Role of the Equatorial Ionization Anomaly (EIA)	Earth, Planets and Space	77	10.1186/s40623-025-02282-x	2025		1	1	1
170	Laurenza, M., K. Shiokawa, M. G. Molina, H.-L. Liu, N. A. Krinova, B. Funke, K. Kusano, J. B. Habarulerna, D. Buresova, M. J. West, J. Chau, J. Zhang, H. Nesse, I. Usoskin, T. Alberti, L. Alfonsi, O. Coddington, S. dasso, S. F. Fung, H. Hayakawa, Y. Miyoshi, R. Nakamura, M. Temmer, C. Stolle, Q.-G. Zong, C. Briand, N. Gopalswam, and J. Safanova (2025). COURSE: Cross-scale cOUpling pRocesses in the Solar-tErrestrial system - SCOSTEP's new program for 2026-2030. Earth, Planets and Space, 77, https://doi.org/10.1186/s40623-025-02283-w	Laurenza, M., K. Shiokawa, M. G. Molina, H.-L. Liu, N. A. Krinova, B. Funke, K. Kusano, J. B. Habarulerna, D. Buresova, M. J. West, J. Chau, J. Zhang, H. Nesse, I. Usoskin, T. Alberti, L. Alfonsi, O. Coddington, S. dasso, S. F. Fung, H. Hayakawa, Y. Miyoshi, R. Nakamura, M. Temmer, C. Stolle, Q.-G. Zong, C. Briand, N. Gopalswam, and J. Safanova	COURSE: Cross-scale cOUpling pRocesses in the Solar-tErrestrial system - SCOSTEP's new program for 2026-2030	Earth, Planets and Space	77	10.1186/s40623-025-02283-w	2025		1	1	1
171	Oyama, S., I. I. Virtanen, H. W. Tesfaw, T. Raita, L Holappa, Y. Miyoshi, L. Cai, H. Van hamaki, A. T. Aikio, Y. Ogawa, and K. Hosokawa (2025). Geomagnetic activity dependence of the auroral electron precipitation spectrum at high latitudes. Journal of Geophysical Research: Space Physics, 130, https://doi.org/10.1029/2024JA033441	Oyama, S., I. I. Virtanen, H. W. Tesfaw, T. Raita, L Holappa, Y. Miyoshi, L. Cai, H. Van hamaki, A. T. Aikio, Y. Ogawa, and K. Hosokawa	Geomagnetic activity dependence of the auroral electron precipitation spectrum at high latitudes	Journal of Geophysical Research: Space Physics	130	10.1029/2024JA033441	2025		1	1	1
172	Chen, R., X. Wang, R. Chen, L. Chen, Y. Omura, Y. Miyoshi, X. Li, and Y-K. Hsieh (2025). Simulation study of chorus wave modulation and associated electron precipitation. Geophysical Research Letters, 52, https://doi.org/10.1029/2025GL118562	Chen, R., X. Wang, R. Chen, L. Chen, Y. Omura, Y. Miyoshi, X. Li, and Y-K. Hsieh	Simulation study of chorus wave modulation and associated electron precipitation	Geophysical Research Letters	52	10.1029/2025GL118562	2025		1	1	1
173	Kumar, S., Y. Miyoshi, Y. Zheng, V. K. Jordanova, L. M. Kistler, K. Yamamoto, T. Hori, C. Jun, K. Asamura, S. Yokota, S. Kasahara, Y. Kazama, S-Y. Wang, S. W. Y. Tam, T.-F. Chang, B.-J. Wang, T. Mitani, T. Takashima, K., Keika, A. Matsuoka, S. Imajo, and I. Shinohara (2025). Comparative study of ion and electron average pressure variation in the inner magnetosphere during CIR- and ICME-driven storms observed by the Arase satellite. Journal of Geophysical Research: Space Physics, 130, https://doi.org/10.1029/2025JA034182	Kumar, S., Y. Miyoshi, Y. Zheng, V. K. Jordanova, L. M. Kistler, K. Yamamoto, T. Hori, C. Jun, K. Asamura, S. Yokota, S. Kasahara, Y. Kazama, S-Y. Wang, S. W. Y. Tam, T.-F. Chang, B.-J. Wang, T. Mitani, T. Takashima, K., Keika, A. Matsuoka, S. Imajo, and I. Shinohara	Comparative study of ion and electron average pressure variation in the inner magnetosphere during CIR- and ICME-driven storms observed by the Arase satellite	Journal of Geophysical Research: Space Physics	130	10.1029/2025JA034182	2025		1	1	1
174	Yang, X., X. Li, L. Dai, J. Wu, V. Kalegaev, W. Li, Y. Miyoshi, W. Liu, Z. Xiang, B. Ni, S. Liu, D. Baker, C. Wang, L. Deng, Y. Li, J. Praks, M. Anger, J. Wang, B. Zhou, S. Zhang, W. Abrahao dos Santos, and Y. Ma (2025). A multi-satellite survery scheme for addressing open quetions on the Earth's outer radiation belt dynamics. Adv. Space Res., 75, https://doi.org/10.1016/j.asr.2024.08.008	Yang, X., X. Li, L. Dai, J. Wu, V. Kalegaev, W. Li, Y. Miyoshi, W. Liu, Z. Xiang, B. Ni, S. Liu, D. Baker, C. Wang, L. Deng, Y. Li, J. Praks, M. Anger, J. Wang, B. Zhou, S. Zhang, W. Abrahao dos Santos, and Y. Ma	A multi-satellite survery scheme for addressing open quetions on the Earth's outer radiation belt dynamics	Adv. Space Res.	75	10.1016/j.asr.2024.08.008	2025		1	1	1
175	Reeves, G. , J. Ripoll, L. Blum, C. Cully, C. Colpitts, M. Cosmides, S. Elliot, R. Ghaffari, A. Greeley, R. Horne, K. Hosokawa, A. Jaynes, Y. Kasahara, S. Kasahara, K. Keika, S. Kurita, D. Malaspina, A. Michael, R. Millan, T. Mitani, Y. Miyoshi, V. Pierrard, D. Turner, H. Nesse, A. Ukhorskiy, M. Usanova, M. Voskresenskaya, and S. Yokota (2025). Multi-platform observations of the radial penetration of substorm injected electrons and subsequent slot-filling event. Journal of Geophysical Research: Space Physics, 130, e2025JA034329. https://doi.org/10.1029/2025JA034329	Reeves, G. , J. Ripoll, L. Blum, C. Cully, C. Colpitts, M. Cosmides, S. Elliot, R. Ghaffari, A. Greeley, R. Horne, K. Hosokawa, A. Jaynes, Y. Kasahara, S. Kasahara, K. Keika, S. Kurita, D. Malaspina, A. Michael, R. Millan, T. Mitani, Y. Miyoshi, V. Pierrard, D. Turner, H. Nesse, A. Ukhorskiy, M. Usanova, M. Voskresenskaya, and S. Yokota	Multi-platform observations of the radial penetration of substorm injected electrons and subsequent slot-filling event	Journal of Geophysical Research: Space Physics	130	10.1029/2025JA034329	2025		1	1	1
176	Wu, S., D. Whiter, L. Lamy, M. Wang, P. Zarka, C. Jackman, S. Ye, J. Waters, A. Fogg, S. Mende, N. Kaweeyanun, Y. Kasaba, S. Kurita, H. Kojima, L. Paxton, Y. Kasahara, Y. Miyoshi, A. Shinbori, and F. Tsuchiya (2025). Radio emissions reveal Alfvénic activity and electron acceleration prior to substorm onset. Nat Comm., 16, https://doi.org/10.1038/s41467-025-65580-8	Wu, S., D. Whiter, L. Lamy, M. Wang, P. Zarka, C. Jackman, S. Ye, J. Waters, A. Fogg, S. Mende, N. Kaweeyanun, Y. Kasaba, S. Kurita, H. Kojima, L. Paxton, Y. Kasahara, Y. Miyoshi, A. Shinbori, and F. Tsuchiya	Radio emissions reveal Alfvénic activity and electron acceleration prior to substorm onset	Nat Comm.	16	10.1038/s41467-025-65580-8	2025		1	1	1
177	Shinbori, A., N. Kitamura, K. Yamamoto, A. Kumamoto, F. Tsuchiya, S. Matsuda, Y. Kasahara, M. Teramoto, A. Matsuoka, T. Sori, Y. Otsuka, M. Nishioka, S. Perwitasari, Y. Miyoshi, and I. Shinohara (2025). Characteristics of temporal and spatial variation of the electron density in the plasmasphere and ionosphere during the May 2024 super geomagentic storm. Earth, Planets and Space, 77, https://doi.org/10.1186/s40623-025-02317-3	Shinbori, A., N. Kitamura, K. Yamamoto, A. Kumamoto, F. Tsuchiya, S. Matsuda, Y. Kasahara, M. Teramoto, A. Matsuoka, T. Sori, Y. Otsuka, M. Nishioka, S. Perwitasari, Y. Miyoshi, and I. Shinohara	Characteristics of temporal and spatial variation of the electron density in the plasmasphere and ionosphere during the May 2024 super geomagentic storm	Earth, Planets and Space	77	10.1186/s40623-025-02317-3	2025		1		1
178	Imajo, S. , Y. Miyoshi, S. Kasahara, S. Yokota, A. Matsuoka, K. Keika, T. Hori, I. Shinohara, K. Shiokawa, K. Yamamoto, and M. Teramoto (2025). Effects of field line curvature scattering on energetic proton precipitation and isotropy in the magnetosphere. Journal of Geophysical Research: Space Physics, 130, https://doi.org/10.1029/2025JA034307	Imajo, S. , Y. Miyoshi, S. Kasahara, S. Yokota, A. Matsuoka, K. Keika, T. Hori, I. Shinohara, K. Shiokawa, K. Yamamoto, and M. Teramoto	Effects of field line curvature scattering on energetic proton precipitation and isotropy in the magnetosphere	Journal of Geophysical Research: Space Physics	130	10.1029/2025JA034307	2025		1		1
179	Min, K., Y. Miyoshi, and K. Liu (2025). Linear analysis and PIC simulations of electro cyclotron harmonic instability driven by a subtracted-kappa velocity distribution. Phys. Plasma, 32, https://doi.org/10.1063/5.0305058	Min, K., Y. Miyoshi, and K. Liu	Linear analysis and PIC simulations of electro cyclotron harmonic instability driven by a subtracted-kappa velocity distribution	Phys. Plasma	32	10.1063/5.0305058	2025		1		1
180	Yan, L. , W. Liu, D. Zhang, Z. Wang, X. Zhou, T. Sarris, X. Li, X. Tong, A. Matsuoka, Y. Kasaba, Y. Kasahara, Y. Miyoshi, T. Hori, K. Yamamoto, I.Shinohara, and M.Teramoto (2025). Characteristics of Field Aligned Poynting Flux of Pc5 ULF waves Based on Arase Measurements. J. Geophys. Res., 130, https://doi.org/10.1029/2025JA034592	Yan, L. , W. Liu, D. Zhang, Z. Wang, X. Zhou, T. Sarris, X. Li, X. Tong, A. Matsuoka, Y. Kasaba, Y. Kasahara, Y. Miyoshi, T. Hori, K. Yamamoto, I.Shinohara, M.Teramoto	Characteristics of Field Aligned Poynting Flux of Pc5 ULF waves Based on Arase Measurements	J. Geophys. Res.	130	10.1029/2025JA034592	2025		1	1	1

181	Smirnov, A. , Y. Shprits, H. Luhr, E. Kronberg, J. Goldstein, Y. Miyoshi, F. Prol, A. Pignalberi, N. Buzulukova, N. Pedatella, B. Haas, D. Wang, Y. Kasahara, F. Tsuchiya, S. Matsuda, A. Shinbori, and A. Matsuoka (2025). Bridging the gap between the Earth's ionosphere and plasmasphere. Geophysical Research Letters, 52, e2025GL119267. https://doi.org/10.1029/2025GL119267	Smirnov, A. , Y. Shprits, H. Luhr, E. Kronberg, J. Goldstein, Y. Miyoshi, F. Prol, A. Pignalberi, N. Buzulukova, N. Pedatella, B. Haas, D. Wang, Y. Kasahara, F. Tsuchiya, S. Matsuda, A. Shinbori, and A. Matsuoka	Bridging the gap between the Earth's ionosphere and plasmasphere	Geophysical Research Letters	52	10.1029/2025GL119267	2025		1	1	1
182	García Peñaranda, M. , Y. Shprits, A. Drozdov, A. Castillo Tibocha, B. Haas, M. Szabó-Roberts, D. Wang, S. Cervantes, Y. Miyoshi, N. Higashio, T. Mitani, T. Takashima, and I. Shinohara (2025). Global validation of the data-assimilative VERB-3D code for the radiation belts. Space Weather, 23, https://doi.org/10.1029/2025SW004615	García Peñaranda, M. , Y. Shprits, A. Drozdov, A. Castillo Tibocha, B. Haas, M. Szabó-Roberts, D. Wang, S. Cervantes, Y. Miyoshi, N. Higashio, T. Mitani, T. Takashima, and I. Shinohara	Global validation of the data-assimilative VERB-3D code for the radiation belts	Space Weather	23	10.1029/2025SW004615	2025		1	1	1
183	Sun, Y. , Y. Liu, Q. Zong, Y. Ye, H. Zou, Y. Miyoshi, L. Li, Y. Omura, Z. Xie, D. Wang, Z. Zhao, Y. Hao, X. Chen, Y. Wang, Z. Wang, Z. He, C. Yue, X. Zhou, S. Wang, K. Keika, N. Higashio, T. Mitani, T. Takashima, N. Kitamura, A. Matsuoka, M. Teramoto, K. Yamamoto, and I. Shinohara (2025). Violation of the Impenetrable Barrier: MSS-1 and Arase Observations of MeV Electrons in the Inner Radiation Belt During the May 2024 Geomagnetic Storm. J. Geophys. Res., 131, https://doi.org/10.1029/2025JA034419	Sun, Y. , Y. Liu, Q. Zong, Y. Ye, H. Zou, Y. Miyoshi, L. Li, Y. Omura, Z. Xie, D. Wang, Z. Zhao, Y. Hao, X. Chen, Y. Wang, Z. Wang, Z. He, C. Yue, X. Zhou, S. Wang, K. Keika, N. Higashio, T. Mitani, T. Takashima, N. Kitamura, A. Matsuoka, M. Teramoto, K. Yamamoto, and I. Shinohara	Violation of the Impenetrable Barrier: MSS-1 and Arase Observations of MeV Electrons in the Inner Radiation Belt During the May 2024 Geomagnetic Storm	J. Geophys. Res.	131	10.1029/2025JA034419	2025		1	1	1
184	Kakoti, G., Bagiya, MS., Vichare, G., Shiokawa, K., Shreedevi, PR., Nishitani, N., Otsuka, Y., Shinbori, A., Nishioka, M., Perwitasari, S. (2025). Reduction of high latitude ionospheric electron density by the impact of negative solar wind pressure pulse during the geomagnetic storm of 23 March 2023. Journal of Geophysical Research: Space Physics, 130, https://doi.org/10.1029/2025JA033939	Kakoti, G., Bagiya, MS., Vichare, G., Shiokawa, K., Shreedevi, PR., Nishitani, N., Otsuka, Y., Shinbori, A., Nishioka, M., Perwitasari, S.	Reduction of high latitude ionospheric electron density by the impact of negative solar wind pressure pulse during the geomagnetic storm of 23 March 2023	Journal of Geophysical Research: Space Physics	130	10.1029/2025JA033939	2025		1	1	1
185	Patgiri, D., Y. Otsuka, P. R. Shreedevi, G. Kakoti, A. K. Ranjan, R. Rathi, A. Shinbori, M. Nishioka, and S. Perwitasari (2025). Unusual phase alignment of nighttime electrified medium-scale traveling ionospheric disturbance after moderate geomagnetic storms and response to substorms. Geophysical Research Letters, 52, https://doi.org/10.1029/2025GL116392	Patgiri, D., Y. Otsuka, P. R. Shreedevi, G. Kakoti, A. K. Ranjan, R. Rathi, A. Shinbori, M. Nishioka, and S. Perwitasari	Unusual phase alignment of nighttime electrified medium-scale traveling ionospheric disturbance after moderate geomagnetic storms and response to substorms	Geophysical Research Letters	52	10.1029/2025GL116392	2025		1	1	1
186	Ida, K., M. Yoshinuma, Y. Ebihara, and K. Shiokawa (2025). Estimate of N2+ ${\mathrm{N}}_{2}^{+}$ altitude profile using blue auroral resonant-scattering 427.8 nm emission observed with HySCAI during astronomical twilight. Geophysical Research Letters, 52, e2025GL118375. https://doi.org/10.1029/2025GL118375	Ida, K., M. Yoshinuma, Y. Ebihara, and K. Shiokawa	Estimate of N2+ ${\mathrm{N}}_{2}^{+}$ altitude profile using blue auroral resonant-scattering 427.8 nm emission observed with HySCAI during astronomical twilight	Geophysical Research Letters	52	10.1029/2025GL118375	2025		1		1
187	Lyons, L. R., Y. Nishimura, , J. Liu, S. Yadav, Y. Zou, W. A. Bristow, E. Donovan, N. Nishitani, K. Shiokawa, and K. Hosokawa (2025). Strong substorm development from polar-cap arc Laydown along the auroral poleward boundary. Journal of Geophysical Research: Space Physics, 130, https://doi.org/10.1029/2025JA034161	Lyons, L. R., Y. Nishimura, , J. Liu, S. Yadav, Y. Zou, W. A. Bristow, E. Donovan, N. Nishitani, K. Shiokawa, and K. Hosokawa	Strong substorm development from polar-cap arc Laydown along the auroral poleward boundary	Journal of Geophysical Research: Space Physics	130	10.1029/2025JA034161	2025		1	1	1
188	Mahmoud, R., M. Abdelwahab, K. Shiokawa, and A. Mahrous (2025). Machine Learning Recognition and Phase Velocity Estimation of Atmospheric Gravity Waves from OI 557.7 nm All-Sky Airglow Images. AI, 6, https://doi.org/10.3390/ai6100262	Mahmoud, R., M. Abdelwahab, K. Shiokawa, and A. Mahrous	Machine Learning Recognition and Phase Velocity Estimation of Atmospheric Gravity Waves from OI 557.7 nm All-Sky Airglow	AI	6	10.3390/ai6100262	2025		1	1	1
189	Morita, S., K. Shiokawa, Y. Otsuka, N. Nshitani, A. Shinbori, A. Fujimoto, A. Yoshikawa, M. Nishioka, S. Perwitasari, M. Yamamoto, and T. Sori (2025). Multiple-event study of substorm electric field penetration into middle latitudes based on simultaneous observation of 630-nm airglow enhancements at three stations. Journal of Geophysical Research: Space Physics, 130, https://doi.org/10.1029/2025JA033721	Morita, S., K. Shiokawa, Y. Otsuka, N. Nshitani, A. Shinbori, A. Fujimoto, A. Yoshikawa, M. Nishioka, S. Perwitasari, M. Yamamoto, and T. Sori	Multiple-event study of substorm electric field penetration into middle latitudes based on simultaneous observation of 630-nm airglow enhancements at three stations	Journal of Geophysical Research: Space Physics	130	10.1029/2025JA033721	2025		1		1
190	Eriksen, N. K., Y. Nishimura, M. Zettergren, D. A. Lorentzen, K. Oksavik, L. J. Baddeley, K. Hosokawa, K. Shiokawa, L. Lamarche, M. E. Redden, and A. Bhatt (2026). Evolution and decay of a stable and a dynamic airglow patch. Journal of Atmospheric and Solar-Terrestrial Physics, 285, https://doi.org/10.1016/j.jastp.2025.106593	Eriksen, N. K., Y. Nishimura, M. Zettergren, D. A. Lorentzen, K. Oksavik, L. J. Baddeley, K. Hosokawa, K. Shiokawa, L. Lamarche, M. E. Redden, and A. Bhatt	Evolution and decay of a stable and a dynamic airglow patch	Journal of Atmospheric and Solar-Terrestrial Physics	285	10.1016/j.jastp.2025.106593	2025		1	1	
191	Nilam, B., S. Tulasi Ram, D. M. Oliveira, B. Remya, K. Shiokawa, Deeksha Rai, D. Sibeck,, A. P. Dimri, and S. Ohtani (2025). Strong westward current pulse at auroral latitudes extending to dawn-side low-latitudes due to enhanced density within Kelvin-Helmholtz wave vortex in solar wind. Geophysical Research Letters, 52, https://doi.org/10.1029/2025GL117032	Nilam, B., S. Tulasi Ram, D. M. Oliveira, B. Remya, K. Shiokawa, Deeksha Rai, D. Sibeck,, A. P. Dimri, and S. Ohtani	Strong westward current pulse at auroral latitudes extending to dawn-side low-latitudes due to enhanced density within Kelvin-Helmholtz wave vortex in solar wind	Geophysical Research Letters	52	10.1029/2025GL117032	2025		1	1	1
192	Lu, S., Z.-Y. Xing, Q.-H. Zhang, Y.-L. Zhang, H.-G. Yang, K. Oksavik, L. R. Lyons, K. Shiokawa, Y. Wang, Y.-Z. Ma, X.-Y. Wang, T. Xu, S-J. Sun, and D. Zhang (2025). Ionospheric scintillation and geomagnetic disturbance caused by space hurricanes. Space Weather, 23, https://doi.org/10.1029/2025SW004435	Lu, S., Z.-Y. Xing, Q.-H. Zhang, Y.-L. Zhang, H.-G. Yang, K. Oksavik, L. R. Lyons, K. Shiokawa, Y. Wang, Y.-Z. Ma, X.-Y. Wang, T. Xu, S-J. Sun, and D. Zhang	Ionospheric scintillation and geomagnetic disturbance caused by space hurricanes. Space Weather	Space Weather	23	10.1029/2025SW004435	2025		1	1	1
193	Okoh, D., C. Cesaroni, B. Rabiu, K. Shiokawa, Y. Otsuka, S. Ogunjo, A. Akerele, J. B. Habarulema, B. Nava, Y. Migoya-Orue, P. Jamjareegulgarn, A. Seun, O. Adama, G. Ochieng, and J. Ameh (2025). A Bootstrapping Convolutional Neural Network Technique for Optimizing Automated Detection of Equatorial Plasma Bubbles by Optical All-Sky Imagers. Earth, Planets and Space, 77, https://doi.org/10.1029/2024EA004117	Okoh, D., C. Cesaroni, B. Rabiu, K. Shiokawa, Y. Otsuka, S. Ogunjo, A. Akerele, J. B. Habarulema, B. Nava, Y. Migoya-Orue, P. Jamjareegulgarn, A. Seun, O. Adama, G. Ochieng, and J. Ameh	A Bootstrapping Convolutional Neural Network Technique for Optimizing Automated Detection of Equatorial Plasma Bubbles by Optical All-Sky Imagers	Earth, Planets and Space	77	10.1029/2024EA004117	2025		1	1	1
194	Hayashi, M., Yoshikawa, A., and Ohtani, S. (2025). Does the dayside equatorial ionospheric electric field respond to isolated substorms? Geophysical Research Letters, 52, https://doi.org/10.1029/2025GL115227	Hayashi, M., Yoshikawa, A., and Ohtani, S.	Does the dayside equatorial ionospheric electric field respond to isolated substorms?	Geophysical Research Letters	52	10.1029/2025GL115227	2025		1	1	1
195	Topacio, X. G. V. M., and Yoshikawa, A. (2026). Meridional currents of the equatorial electrojet. Geophysical Research Letters, 53, https://doi.org/10.1029/2025GL120743	Topacio, X. G. V. M., and Yoshikawa, A.	Meridional currents of the equatorial electrojet	Geophysical Research Letters	53	10.1029/2025GL120743	2025		1	1	1
196	Fu, W., Y. Otsuka, T. Yokoyama, Z. Li, M. Yamamoto, M. Nishioka, H. Jin, K. Hosokawa, and C. Stolle (2025). Investigation into the earliest generation of medium-scale traveling ionospheric disturbances with electrodynamic signatures using dense GNSS observations over Japan. Earth Planets Space, 77, https://doi.org/10.1186/s40623-025-02192-y	Fu, W., Y. Otsuka, T. Yokoyama, Z. Li, M. Yamamoto, M. Nishioka, H. Jin, K. Hosokawa, and C. Stolle	Investigation into the earliest generation of medium-scale traveling ionospheric disturbances with electrodynamic signatures using dense GNSS observations over Japan	Earth Planets Space	77	10.1186/s40623-025-02192-y	2025		1	1	1
197	Fu, W., Y. Otsuka, N. Ssessanga, T. Yokoyama, and M. Yamamoto (2025). High-resolution GNSS tomography of storm-enhanced density and embedded depletions over Japan during the May 2024 super geomagnetic storm. Geophysical Research Letters, 52, https://doi.org/10.1029/2025GL116567	Fu, W., Y. Otsuka, N. Ssessanga, T. Yokoyama, and M. Yamamoto	High-resolution GNSS tomography of storm-enhanced density and embedded depletions over Japan during the May 2024 super geomagnetic storm	Geophysical Research Letters	52	10.1029/2025GL116567	2025		1	1	1

198	Patra, A. K., P. Pavanchaitanya, A. Paul, K. K. Ajith, and T. Yokoyama, T. (2025). First multi-beam radar studies of F region irregularities beyond the equatorial ionization crest using the Haringhata radar in India. Journal of Geophysical Research: Space Physics, 130, https://doi.org/10.1029/2025JA034041	Patra, A. K., P. Pavanchaitanya, A. Paul, K. K. Ajith, and T. Yokoyama	First multi-beam radar studies of F region irregularities beyond the equatorial ionization crest using the Haringhata radar in India	Journal of Geophysical Research: Space Physics	130	10.1029/2025JA034341	2025		1	1	
199	Jiao, J., W. Sun, G. Li, Y. Zhu, B. Zhao, G. Yang, T. Yokoyama, S. Perwitasari, L. Hu, J. Liu, H. Xie, Z. Huang, X. Wu, and C. Yan (2025). Upwelling metallic ions producing valley region irregularities over low latitude during the 2025 New Year magnetic storm. Geophysical Research Letters, 52, https://doi.org/10.1029/2025GL116542	Jiao, J., W. Sun, G. Li, Y. Zhu, B. Zhao, G. Yang, T. Yokoyama, S. Perwitasari, L. Hu, J. Liu, H. Xie, Z. Huang, X. Wu, and C. Yan	Upwelling metallic ions producing valley region irregularities over low latitude during the 2025 New Year magnetic storm	Geophysical Research Letters	52	10.1029/2025GL116542	2025		1	1	1
200	Das, S. K., C. Stolle, Y. Yamazaki, T. Yokoyama, M. Yamamoto, and S. Perwitasari (2026). Forecasting Equatorial plasma bubbles from precursor TEC signatures observed by C/NOFS. Space Weather, 24, https://doi.org/10.1029/2025SW004730	Das, S. K., C. Stolle, Y. Yamazaki, T. Yokoyama, M. Yamamoto, and S. Perwitasari	Forecasting Equatorial plasma bubbles from precursor TEC signatures observed by C/NOFS	Space Weather	24	10.1029/2025SW004730	2025		1	1	1
201	Fu, W., Y. Otsuka, K. Hocke, G. Ma, M. Nishioka, H. Jin (2025). Identifying medium-scale traveling ionospheric disturbances driven by atmospheric gravity waves over Japan at sunrise and sunset terminators using high-resolution 3-D GNSS tomography. GPS Solutions, 29, https://doi.org/10.1007/s10291-025-01875-z	Fu, W., Y. Otsuka, K. Hocke, G. Ma, M. Nishioka, H. Jin	Identifying medium-scale traveling ionospheric disturbances driven by atmospheric gravity waves over Japan at sunrise and sunset terminators using high-	GPS Solutions	29	10.1007/s10291-025-01875-z	2025		1	1	
202	Hozumi, Y. A. Saito, M. Nishioka, T. Sakanoi, J. Yue, M.-Y. Chou, S. Andoh, A. Yamazaki, Y. Otsuka, and K. Shiokawa (2025). Medium-scale traveling ionospheric disturbances observed by nadir-viewing 630 nm airglow imaging from the international space station. Journal of Geophysical Research: Space Physics, 130, https://doi.org/10.1029/2025JA034097	Hozumi, Y. A. Saito, M. Nishioka, T. Sakanoi, J. Yue, M.-Y. Chou, S. Andoh, A. Yamazaki, Y. Otsuka, and K. Shiokawa	Medium-scale traveling ionospheric disturbances observed by nadir-viewing 630 nm airglow imaging from the international space station	Journal of Geophysical Research: Space Physics	130	10.1029/2025JA034097	2025		1	1	1
203	Chen, H., X. Wang, Y. Lin, H. Zhao, C.-P. Wang, X. Li, S. Gu, Y. Omura, L. Chen, X. Li, and Y.-K. Hsieh (2025). Nonlinear proton dynamics in the formation of rising-tone EMIC wave subpackets. Geophysical Research Letters, 52, https://doi.org/10.1029/2025GL115834	Chen, H., X. Wang, Y. Lin, H. Zhao, C.-P. Wang, X. Li, S. Gu, Y. Omura, L. Chen, X. Li, and Y.-K. Hsieh	Nonlinear proton dynamics in the formation of rising-tone EMIC wave subpackets	Geophysical Research Letters	52	10.1029/2025GL115834	2025		1	1	1
204	Zhang, X.-J., A. Artemyev, Y. Katoh, Y. Hsieh, V. Angelopoulos, S. Torii, R. Kataoka, Y. Akaike, and S. Nakahira (2025). Exploring outer radiation belt losses from the International Space Station. Geophysical Research Letters, 52, https://doi.org/10.1029/2025GL116966	Zhang, X.-J., A. Artemyev, Y. Katoh, Y.-K. Hsieh, V. Angelopoulos, S. Torii, R. Kataoka, Y. Akaike, and S. Nakahira	Exploring outer radiation belt losses from the International Space Station	Geophysical Research Letters	52	10.1029/2025GL116966	2025		1	1	1
205	Chen, H., X. Wang, X. Li, R. Chen, L. Chen, Y. Omura, Y.-K. Hsieh, Y. Lin, and M. L. Adrian (2025). Quantifying electron precipitation driven by chorus waves using self-consistent particle-in-cell simulations. Geophysical Research Letters, 52, https://doi.org/10.1029/2025GL116478	Chen, H., X. Wang, X. Li, R. Chen, L. Chen, Y. Omura, Y.-K. Hsieh, Y. Lin, and M. L. Adrian	Quantifying electron precipitation driven by chorus waves using self-consistent particle-in-cell simulations	Geophysical Research Letters	52	10.1029/2025GL116478	2025		1	1	1
206	Vital, LFR., Xu, JY., Otsuka, Y., Ayorinde, TT., Takahashi, H., Barros, D., Carmo, C., Figueiredo, CAOB., Wrasse, CM., Lima, LM., Paulino, I., Wang, C., Li, H.,and Liu, ZK (2025). On the fresh development of midnight plasma bubbles over South America. Earth, Planets and Space, https://doi.org/10.1186/s40623-025-02261-2	Vital, LFR., Xu, JY., Otsuka, Y., Ayorinde, TT., Takahashi, H., Barros, D., Carmo, C., Figueiredo, CAOB., Wrasse, CM., Lima, LM., Paulino, I., Wang, C., Li, H.,and Liu, ZK	On the fresh development of midnight plasma bubbles over South America	Earth, Planets and Space	77	10.1186/s40623-025-02261-2	2025		1	1	1
207	Rifqi, F. N., Liu, H., Qiu, L., Tao, C., and Shinagawa, H. (2025). How does increasing CO2 concentration affect the ionospheric sporadic-E formation? Geophysical Research Letters, 52, https://doi.org/10.1029/2025GL117911	Rifqi, F. N., Liu, H., Qiu, L., Tao, C., and Shinagawa, H.	How does increasing CO2 concentration affect the ionospheric sporadic-E formation?	Geophysical Research Letters	52	10.1029/2025GL117911	2025				
208	Rios, M. G. T. J., H. Liu, and C. Borries (2025). Examining long-term changes in the ionospheric response to geomagnetic activity over the past five solar cycles. J. Geophys. Research, 130, https://doi.org/10.1029/2025JA034840	Rios, M. G. T. J., H. Liu, and C. Borries	Examining long-term changes in the ionospheric response to geomagnetic activity over the past five solar cycles	J. Geophys. Research	130	10.1029/2025JA034840	2025				
209	Qiu, L., Liu, H., and Yu, T. (2025). Mechanism for Sporadic E enhancement during the May 2024 geomagnetic storm: TIEGCM simulation. Journal of Geophysical Research: Space Physics, 130, https://doi.org/10.1029/2025JA034455	Qiu, L., H. Liu, Yu, T.	Mechanism for Sporadic E enhancement during the May 2024 geomagnetic storm: TIEGCM simulation	Journal of Geophysical Research: Space Physics	130	10.1029/2025JA034455	2025				
210	Higuchi, H., J. W.Pedersen, K. Toyoizumi, K. Yoshikawa, C. Kiumi, and A. Yoshikawa (2025). Quantum calculation for two-stream instability and advection test of Vlasov–Maxwell equations: numerical evaluation of Hamiltonian simulation. Journal of Plasma Physics, 91, https://doi.org/10.1017/S0022377825100500	Higuchi, H., J. W.Pedersen, K. Toyoizumi, K. Yoshikawa, C. Kiumi, and A. Yoshikawa	Quantum calculation for two-stream instability and advection test of Vlasov–Maxwell equations: numerical evaluation of Hamiltonian simulation	Journal of Plasma Physics	91	10.1017/S0022377825100500	2025				
211	Hayashi, Y., K. Munakata, M. Kozai, R. Kataoka, A. Kadokura, C. Kato, N. Miyashita, S. Miyake, K. Murase, M. L. Duldig, D. Ruffolo, W. Mitthumsiri, P. Muangha, A. Sáiz, S. Seunarine, P. A. Evenson, P.-S. Mangeard, K. Iwai, H. Menjo, E. Echer, A. D. Lago, M. Rockenbach, N. J. Schuch, J. V. Bageston, C. R. Braga, H. K. A. Jassar, M. M. Sharma, N. Burahmah, F. Zaman, I. Sabbah, T. Kuwabara, D. Chen, and J.Huang (2026). Real-time monitoring of the rigidity spectrum of large Forbush decreases in May and October 2024 with the paired neutron monitor and muon detector at the Antarctic Syowa Station. Earth Planets Space, https://doi.org/10.1186/s40623-026-02386-y	Hayashi, Y., K. Munakata, M. Kozai, R. Kataoka, A. Kadokura, C. Kato, N. Miyashita, S. Miyake, K. Murase, M. L. Duldig, D. Ruffolo, W. Mitthumsiri, P. Muangha, A. Sáiz, S. Seunarine, P. A. Evenson, P.-S. Mangeard, K. Iwai, H. Menjo, E. Echer, A. D. Lago, M. Rockenbach, N. J. Schuch, J. V. Bageston, C. R. Braga, H. K. A. Jassar, M. M. Sharma, N. Burahmah, F. Zaman, I. Sabbah, T. Kuwabara, D. Chen, and J.Huang	Real-time monitoring of the rigidity spectrum of large Forbush decreases in May and October 2024 with the paired neutron monitor and muon detector at the Antarctic Syowa Station	Earth, Space and Planets		10.1186/s40623-026-02386-y	2026				
212	Xiang, Z. , X. Li, D. Baker, Q. Ma, Y. Mei, D. O'Brien, H. Zhao, D. Brennan, T. Sarris, Y. Miyoshi, Y. Kasahara, T. Mitani, T. Takashima, and M. Temerin (2026). Bursty precipitation of relativistic electrons unveiled by CIRBE/REPTile-2 measurements and their physical implications. AGU Advances, 7, https://doi.org/10.1029/2025AV001913	Xiang, Z. , X. Li, D. Baker, Q. Ma, Y. Mei, D. O'Brien, H. Zhao, D. Brennan, T. Sarris, Y. Miyoshi, Y. Kasahara, T. Mitani, T. Takashima, and M. Temerin	Bursty precipitation of relativistic electrons unveiled by CIRBE/REPTile-2 measurements and their physical implications	AGU Advances	7	10.1029/2025AV001913	2026		1	1	1
213	Hua, M. , X. Shi, J. Bortnik, A. Artemyev, V. Angelopoulos, Y. Miyoshi, T. Mitani, J. Burch, T. Takashima, T. Hori, A. Matsuoka, M. Teramoto, K. Yamamoto, Y. Kasahara, F. Tsuchiya, A. Kumamoto, A. Shinbori, I. Shinohara (2026). The Dominant role of the electron isotropy boundary in controlling Earth's outer radiation belt electron lifetimes. Geophysical Research Letters, 53, https://doi.org/10.1029/2025GL120881	Hua, M. , X. Shi, J. Bortnik, A. Artemyev, V. Angelopoulos, Y. Miyoshi, T. Mitani, J. Burch, T. Takashima, T. Hori, A. Matsuoka, M. Teramoto, K. Yamamoto, Y. Kasahara, F. Tsuchiya, A. Kumamoto, A. Shinbori, I. Shinohara	The Dominant role of the electron isotropy boundary in controlling Earth's outer radiation belt electron lifetimes	Geophysical Research Letters	53	10.1029/2025GL120881	2026		1	1	1
214	Kwak, J. , C. Jun, Y. Miyashita, J. Park, Y. Miyoshi, K. Shiokawa, A. Matsuoka, M. Teramoto, K. Yamamoto, I. Shinohara, Y. Kasahara, F. Tsuchiya, A. Kumamoto, A. Shinbori, D. Baishev, and I. Poddelsky (2026). Power attenuation of Pc1 waves during propagation from the magnetosphere to the ionosphere observed by the Arase satellite and PWING ground stations. Earth, Planets and Space, 78, https://doi.org/10.1186/s40623-026-02372-4	Kwak, J. , C. Jun, Y. Miyashita, J. Park, Y. Miyoshi, K. Shiokawa, A. Matsuoka, M. Teramoto, K. Yamamoto, I. Shinohara, Y. Kasahara, F. Tsuchiya, A. Kumamoto, A. Shinbori, D. Baishev, and I. Poddelsky	Power attenuation of Pc1 waves during propagation from the magnetosphere to the ionosphere observed by the Arase satellite and PWING ground stations	Earth, Planets and Space	78	10.1186/s40623-026-02372-4	2026		1	1	1

215	Shah, T., M. Nose, B. Veenadhari, N. Kitamura, Y. Miyoshi, K. Asamura, A. Matsuoka, M. Teramoto, I. Shinohara, and K. Yamamoto (2026). Characteristics of field-aligned low-energy oxygen (FALEO) events based on Arase LEP-i observations. Journal of Geophysical Research: Space Physics, 131, https://doi.org/10.1029/2025JA034541	Shah, T., M. Nose, B. Veenadhari, N. Kitamura, Y. Miyoshi, K. Asamura, A. Matsuoka, M. Teramoto, I. Shinohara, and K. Yamamoto	Characteristics of field-aligned low-energy oxygen (FALEO) events based on Arase LEP-i observations	Journal of Geophysical Research: Space Physic	131	10.1029/2025JA034541	2026		1	1	1
216	Olifer, L. , D. Zhou, M. Patel, I. Mann, M. Hudson, A. Degeling, C. Heinke, G. Sivakoff, A. Kale, S. Kasahara, S. Yokota, K. Keika, T. Hori, T. Mitani, T. Takashima, Y. Kasahara, S. Matsuda, A. Shinbori, A. Matsuoka, M. Teramoto, K. Yamamoto, I. Shinohara, and Y. Miyoshi (2026). ULF wave modulation of energetic electron precipitation caused by the self-limiting of space radiation: May 2024 superstorm observations. Journal of Geophysical Research: Space Physics, 131, https://doi.org/10.1029/2025JA034908	Olifer, L. , D. Zhou, M. Patel, I. Mann, M. Hudson, A. Degeling, C. Heinke, G. Sivakoff, A. Kale, S. Kasahara, S. Yokota, K. Keika, T. Hori, T. Mitani, T. Takashima, Y. Kasahara, S. Matsuda, A. Shinbori, A. Matsuoka, M. Teramoto, K. Yamamoto, I. Shinohara, and Y. Miyoshi	ULF wave modulation of energetic electron precipitation caused by the self-limiting of space radiation: May 2024 superstorm observations	Journal of Geophysical Research: Space Physics	131	10.1029/2025JA034908	2026		1	1	1
217	Nosé, M., and N. Maruyama (2026). Oxygen torus and warm plasma cloak: A review. Frontiers in Astronomy and Space Sciences, 13, https://doi.org/10.3389/fspas.2026.1817245	Nosé, M., and N. Maruyama	Oxygen torus and warm plasma cloak: A review	Frontiers in Astronomy and Space Sciences	13	10.3389/fspas.2026.1817245	2026		1	1	1
218	Cai, L., A. Aikio, G. P. Geethakumari, H. Vanhamäki, I. I. Virtanen, S. Oyama, Y. Zhang, J. Zhang, and M. Hairston (2026). Ionosphere-thermosphere coupling in the Northern polar region during the May 2024 geomagnetic superstorm. Journal of Geophysical Research: Space Physics, 131, https://doi.org/10.1029/2025JA034495	Cai, L., A. Aikio, G. P. Geethakumari, H. Vanhamäki, I. I. Virtanen, S. Oyama, Y. Zhang, J. Zhang, and M. Hairston	Ionosphere-thermosphere coupling in the Northern polar region during the May 2024 geomagnetic superstorm	Journal of Geophysical Research: Space Physics	131	10.1029/2025JA034495	2026				
219	Nakano, S., Kataoka, R., and M. Nosé. (2026). Climatology of Pi2 pulsations deduced from the Wp index. Journal of Geophysical Research: Space Physics, 130, https://doi.org/10.1029/2025JA034345	Nakano, S., Kataoka, R., and M. Nosé	Climatology of Pi2 pulsations deduced from the Wp index	Journal of Geophysical Research: Space Physics	130	10.1029/2025JA034345	2026		1	1	1
220	Koga, R., S. Oyama, M. Nosé, and K. Yoshioka (2026). Explainable machine learning of the MCP dark count observed by Earth orbiting space telescope. Frontiers in Astronomy and Space Sciences, 13, https://doi.org/10.3389/fspas.2026.1786771	Koga, R., S. Oyama, M. Nosé, and K. Yoshioka	Explainable machine learning of the MCP dark count observed by Earth orbiting space telescope	Frontiers in Astronomy and Space Sciences	13	10.3389/fspas.2026.1786771	2026		1	1	1
221	Rajput, M., Shreedevi P. R., Kumar, S., and Singh, A. K. (2026). Ionospheric variability across solar cycles 23 and 24 in the Indian longitude sector: GPS observations and IRI model validation. Radio Science, 61, https://doi.org/10.1029/2025RS008458	Rajput, M., Shreedevi P. R., Kumar, S., and Singh, A. K.	Ionospheric variability across solar cycles 23 and 24 in the Indian longitude sector: GPS observations and IRI model validation	Radio Science	61	10.1029/2025RS008458	2026		1	1	1
222	Raj, J. K., N. Balan, Q. H. Zhang, Y. Otsuka, K. Shiokawa, Z.-Y. Xing, V. Manu, B. Nilam, Y.-Z. Ma, and Y. Wang (2026). Relative contributions of solar wind dynamic pressure and interplanetary electric field on the early positive part of main phase of geomagnetic storms. Space Weather, 24, https://doi.org/10.1029/2025SW004571	Raj, J. K., N. Balan, Q. H. Zhang, Y. Otsuka, K. Shiokawa, Z.-Y. Xing, V. Manu, B. Nilam, Y.-Z. Ma, and Y. Wang	Relative contributions of solar wind dynamic pressure and interplanetary electric field on the early positive part of main phase of geomagnetic storms	Space Weather	24	10.1029/2025SW004571	2026		1	1	1
223	Fu, W., Y. Otsuka, T. Yokoyama, K. Shiokawa, M. Yamamoto, M. Nishioka, H. Jin (2026). Case studies of nighttime medium-scale traveling ionospheric disturbances at mid-latitudes: Contribution of the sporadic E Layer to their development. Journal of Geophysical Research: Space Physics, 131, https://doi.org/10.1029/2026JA035210	Fu, W., Y. Otsuka, T. Yokoyama, K. Shiokawa, M. Yamamoto, M. Nishioka, H. Jin	Case studies of nighttime medium-scale traveling ionospheric disturbances at mid-latitudes: Contribution of the sporadic E Layer to their development	Journal of Geophysical Research: Space Physics	131	10.1029/2026JA035210	2026		1		1
224	Kikuchi, T., K. Shiokawa, S. Oyama, Y. Ogawa, and J. Kurihara (2026). First attempt of Doppler velocity measurement for molecular nitrogen ion through auroral 427.8-nm emission by a Fabry-Perot interferometer in Norway. Earth, Planets and Space, 78, https://doi.org/10.1186/s40623-026-02419-6	Kikuchi, T., K. Shiokawa, S. Oyama, Y. Ogawa, and J. Kurihara	First attempt of Doppler velocity measurement for molecular nitrogen ion through auroral 427.8-nm emission by a Fabry-Perot interferometer in Norway	Earth, Planets and Space	78	10.1186/s40623-026-02419-6	2026		1		1
225	Hotta, Y., Shiokawa, K., Otsuka, Y., Nishioka, M., and Yue, J. (2026). Study of the mid-Latitude airglow responses to geomagnetic storms based on long-term observations in japan with the TIMED satellite and ionosondes. Journal of Geophysical Research: Space Physics, 131, https://doi.org/10.1029/2025JA034616	Hotta, Y., Shiokawa, K., Otsuka, Y., Nishioka, M., and Yue, J.	Study of the mid-Latitude airglow responses to geomagnetic storms based on long-term observations in japan with the TIMED satellite and ionosondes	Journal of Geophysical Research: Space Physics	131	10.1029/2025JA034616	2026		1	1	1
226	Rai, B., B. R. Kalita, P.K. Bhuyan, Y. Otsuka, K. Shiokawa, and D. Pallamraju (2026). Wind induced F3 layer in the middle latitude during the Mother's Day geomagnetic disturbances of 10–11 May 2024. Journal of Geophysical Research: Space Physics, 131, https://doi.org/10.1029/2025JA034833	Rai, B., B. R. Kalita, P.K. Bhuyan, Y. Otsuka, K. Shiokawa, and D. Pallamraju	Wind induced F3 layer in the middle latitude during the Mother's Day geomagnetic disturbances of 10–11 May 2024	Journal of Geophysical Research: Space Physics	131	10.1029/2025JA034833	2026		1	1	1
227	Nema, A., K. Shiokawa, M. Connors, K. N. Pathaka, and A. Dattad (2026). Characteristic behavior of SAR arc, STEVE and Red-Green arc during HILDCAA events. Adv. Space Res., 77, https://doi.org/10.1016/j.asr.2026.01.076	Nema, A., K. Shiokawa, M. Connors, K. N. Pathaka, and A. Dattad	Characteristic behavior of SAR arc, STEVE and Red-Green arc during HILDCAA events	Adv. Space Res.	77	10.1016/j.asr.2026.01.076	2026	8117-8127	1	1	
228	Mondal, D., Y. Hobara, H. Kikuchi, J. Lapierre, P. Le Floch, O. Kameya, N. Kawaguchi, K. Motojima, H. Iwasaki, Y. Watarai, B. Kurkoski, K. Shiokawa, T. Minatohara, T. Eguchi, T. Nakamura, and D. Okano (2026). Temporal dependencies between total lightning and rainfall in multicellular systems: A predictive approach for torrential rain during summer thunderstorms in Japan. Radio Science, 61, https://doi.org/10.1029/2025RS008380	Mondal, D., Y. Hobara, H. Kikuchi, J. Lapierre, P. Le Floch, O. Kameya, N. Kawaguchi, K. Motojima, H. Iwasaki, Y. Watarai, B. Kurkoski, K. Shiokawa, T. Minatohara, T. Eguchi, T. Nakamura, and D. Okano	Temporal dependencies between total lightning and rainfall in multicellular systems: A predictive approach for torrential rain during summer thunderstorms in Japan	Radio Science	61	10.1029/2025RS008380	2026		1	1	1
229	Chen, H., X. Wang, L. Chen, C.-P. Wang, X. Li, Y. Lin, H. Zhao, Y. Omura, Y.-K. Hsieh, X. Li, L. A. Avanov, H. Wei, and N. Ahmadi (2026). Cold proton nonresonant response to EMIC waves: MMS observations and a hybrid simulation. Earth Planets Space, 78, https://doi.org/10.1186/s40623-025-02355-x	Chen, H., X. Wang, L. Chen, C.-P. Wang, X. Li, Y. Lin, H. Zhao, Y. Omura, Y.-K. Hsieh, X. Li, L. A. Avanov, H. Wei, and N. Ahmadi	Cold proton nonresonant response to EMIC waves: MMS observations and a hybrid simulation	Earth Planets Space	78	10.1186/s40623-025-02355-x	2026		1	1	1
230	Maeda, T., H. Liu, Y. Yamazaki, and L. Qiu (2026). Modulation of the mid-latitude ionospheric sporadic E layer by the northern polar vortex. Geophysical Research Letters, 53, e2025GL119055. https://doi.org/10.1029/2025GL119055	Maeda, T., H. Liu, Y. Yamazaki, and L. Qiu	Modulation of the mid-latitude ionospheric sporadic E layer by the northern polar vortex	Geophysical Research Letters	53	10.1029/2025GL119055	2026				
231	Kogure, M., Song, I., Huixin Liu, and H-L. Liu (2026). Impacts of increasing CO2 on diurnal migrating tide in the equatorial lower thermosphere. Atmos. Chem. Phys., 26, https://doi.org/10.5194/acp-26-665-2026	Kogure, M., Song, I., Huixin Liu, and H-L. Liu	Impacts of increasing CO2 on diurnal migrating tide in the equatorial lower thermosphere	Atmos. Chem. Phys.	26	10.5194/acp-26-665-2026	2026				