Статьи в иностранных журналах

1. Afanasyev A.N., Karampelas K., Van Doorsselaere T. Coronal Loop Transverse Oscillations Excited by Different Driver Frequencies // Astrophys. J. 2019. Vol.876, №2. P. 100. - https://doi.org/10.3847/1538-4357/ab1848.
2. Altyntsev A.T., Meshalkina N.S., Lysenko A., Fleishman G.D. Rapid Variability in the SOL2011-08-04 Flare: Implications for Electron Acceleration // Astrophys. J. 2019. Vol.883, №1. P. 38. - https://doi.org/10.3847/1538-4357/ab3808.
3. Anfinogentov S., Stupishin A., Mysh'yakov I.I., Fleishman G.D. Record-breaking Coronal Magnetic Field in Solar Active Region 12673 // Astrophys. J. Letters. 2019. Vol.880, №2. P. L29. DOI: 10.3847/2041-8213/ab3042.
4. Anfinogentov S., Nakariakov V.M. Magnetohydrodynamic Seismology of Quiet Solar Active Regions // Astrophys. J. Letters. 2019. Vol.884, №2. P. L40.

- https://doi.org/10.3847/2041-8213/ab4792.

1. Antokhina O., Antokhin P.N., Martynova Y.V., Mordvinov V.I. The linkage of the precipitation in the Selenga river Basin to midsummer atmospheric blocking // Atmosphere. 2019. Vol.10, №6. P. 343. - DOI: 10.3390/atmos10060343.
2. Antokhina O., Devyatova E.V., Golubeva L., Kurdyukov V.N., Latyshev S.V., Mordvinov V.I. Climatic and circulation factors of high natural fire intensity in Eastern Siberia and the Far East // Proceedings SPIE / 25th International Symposium on Atmospheric and Ocean Optics: Atmospheric Physics. 2019. Vol.11208. P. 112086O. - <https://doi.org/10.1117/12.2538730>.
3. Baluev R.V., Sokov E.N., Jones H.R.A., Shaidulin V.Sh., Sokova I.A., Karavaev Yu.S., et. al. Homogeneously derived transit timings for 17 exoplanets and reassessed TTV trends for WASP-12 and WASP-4 // Monthly Notices Roy. Astron. Soc. 2019. Vol.490, №1. P. 1294–1312. - https://doi.org/10.1093/mnras/stz2620.
4. Berngardt O. I., Ruohoniemi J.M., St.-Maurice J.P., Marchaudon A., Kosch M.J., Yukimati A.S., Nishitani N., Shepherd M., Marcucci M.F., Hu H., Nagatsuma T., Lester M. Global Diagnostics of Ionospheric Absorption During X‐Ray Solar Flares Based on 8‐ to 20‐MHz Noise Measured by Over‐the‐Horizon Radars // Space Weather. 2019. Vol.17, №6. P. 907-924.
	* https://doi.org/10.1029/2018SW002130.
5. Bol'basova L.A., Shikhovtsev A.Yu., Kopylov E.A., Selin A.A., Lukin V.P., Kovadlo P.G. Daytime optical turbulence and windspeed distributions at the Baikal Astrophysical Observatory // Monthly Notices Roy. Astron. Soc. 2019. Vol.482, №2. P. 2619-2626.
	* https://doi.org/10.1093/mnras/sty2706.
6. Borodkova N.L., Eselevich V.G., Zastenker G.N., Sapunova O.V., Yermolaev Yu.I., Šafránková J., Nĕmeček Z., Přech L. Fine Structure of Interplanetary Shock Front - Results from BMSW Experiment with High Time Resolution // JGR. 2019. Vol.124, №11. P. 8191-8207. - https://doi.org/10.1029/2018JA026255.
7. Cedrik M., Podlesnyi A.V., Naumenko A., Kurkin V.I. Ananysis of Dynamic Amplitude Characteristics for Vertical Incidence Chirp Sounders // 2019 Russian Open Conference on Radio Wave Propagation (RWP). Kazan, 1-6 July 2019: proc. IEEE, 2019. Vol.1. P. 121-122. DOI: 10.1109/RWP.2019.8810206.
8. Churilov S.M. Holmboe instability beyond the Boussinesq approximation revisited // Phys. Fluids. 2019. Vol.31, №9. P. 094104. - DOI: 10.1063/1.5115826.
9. Churilov S.M., Stepanyants Y. Scattering of surface shallow water waves on a draining bathtub vortex // Physical Review Fluids. 2019. Vol.4, №3. P. 034704.

DOI: 10.1103/PhysRevFluids.4.034704.

1. Demyanov V.V., Yasyukevich Yu.V., Jin S., Sergeeva M.A. The Second-Order Derivative of GPS Carrier Phase as a Promising Means for Ionospheric Scintillation Research // Pure and Applied Geophysics. 2019. Vol.176, №10. P. 4555–4573.
	* https://doi.org/10.1007/s00024-019-02281-6.
2. Devyatova E.V., Antokhina O., Antokhin P.N., Mordvinov V.I., Latysheva I.V. Comparison of total cloud cover (ERA-Interim) and precipitation (GPCC) over Mongolia and southern part of Eastern Siberia in July // Proceedings SPIE / 25th International Symposium on Atmospheric and Ocean Optics: Atmospheric Physics. 2019. Vol.11208. P. 112086M. - <https://doi.org/10.1117/12.2538640>.
3. Eselevich V.G., Eselevich M.V., Zimovets I.V. Observations of a Flare-Generated Blast Wave in a Pseudo Coronal Mass Ejection Event // Sol. physics. 2019. Vol.294, №6. P. 73.
	* https://doi.org/10.1007/s11207-019-1467-x.
4. Fainshtein V.G., Egorov Ya.I. Onset of a CME-Related Shock Within the Large-Angle Spectrometric Coronagraph (LASCO) Field of View // Sol. physics. 2019. Vol.294, №9. P. 126. - https://doi.org/10.1007/s11207-019-1519-2.
5. Fleishman G.D., Mysh'yakov I.I., Stupishin A., Loukitcheva M., Anfinogentov S. Force-free field reconstructions enhanced by chromospheric magnetic field data // Astrophys. J. 2019. Vol.870, №2. P. 101. - https://doi.org/10.3847/1538-4357/aaf384.
6. Gordovskyy M., Kontar E.P., Browning P.K., Kuznetsov A.A. Frequency–Distance Structure of Solar Radio Sources Observed by LOFAR // Astrophys. J. 2019. Vol.873, №1. P. 48.
	* https://doi.org/10.3847/1538-4357/ab03d8.
7. Grechnev V.V., Kochanov A.A., Uralov A.M., Slemzin V., Rodkin D.G., Goryaev F.F., Kiselev V., Myshyakov I.I. Development of a Fast CME and Properties of a Related Interplanetary Transient // Sol. physics. 2019. Vol.294, №10. P. 139. - https://doi.org/10.1007/s11207-019-1529-0.
8. Hazra G., Jiang J., Karak B.B., Kitchatinov L.L. Exploring cycle period and parity of stellar magnetic activity with dynamo modeling // Astrophys. J. 2019. Vol.884, №1. P. 35.
	* https://doi.org/10.3847/1538-4357/ab4128.
9. Ivanova V.A., Podlesnyi A.V., Naumenko A., Tkachev I. Morphological analysis of non-great-circle propagation of decameter radio waves over northern paths // Proceedings SPIE / 25th International Symposium on Atmospheric and Ocean Optics: Atmospheric Physics. 2019. Vol.11208. P. 112089A. - https://doi.org/10.1117/12.2540748.
10. Ivanova V.A., Podlesnyi A.V., Naumenko A., Tkachev I. Interlayer reflections of chirp signals over Khabarovsk – Tory path in February 2014 // Proceedings SPIE / 25th International Symposium on Atmospheric and Ocean Optics: Atmospheric Physics. 2019. Vol.11208. P. 112089N . - <https://doi.org/10.1117/12.2541401>.
11. Ishin A.B., Voeykov S.V., Ishina T.V. Detection of disturbances caused by exposure to reactive engines according to GEONET data // Proceedings SPIE /25th International Symposium on Atmospheric and Ocean Optics: Atmospheric Physics. 2019. Vol.11208. P. 1120858. - https://doi.org/10.1117/12.2540889.
12. Kashapova L.K., Miteva R., Myagkova I.N., Bogomolov A. Characteristics of SEP events and their solar origin during the evolution of active region NOAA 10069 // Sol. physics. 2019. Vol.294, №1. P. 9. - https://doi.org/10.1007/s11207-019-1400-3.
13. Kichigin G.N., Kravtsova M., Sdobnov V.E. Global Solar Magnetic Field and Cosmic Ray Ground Level Enhancement // Sol. physics. 2019. Vol.294, №9. P. 116.
	* https://doi.org/10.1007/s11207-019-1516-5.
14. Kichigin G.N. Possible model of forming relativistic jets and disks in astrophysical objects // Physics and Astronomy International Journal. 2019. Vol.3, №2. P. 90-92.

DOI: 10.15406/paij.2019.03.00163.

1. Kitchatinov L.L., Nepomnyashchikh A.A. Modelling differential rotation of red giants: the case of the evolved sun // Monthly Notices Roy. Astron. Soc. 2019. Vol.490, №1. P. L71-L75.
	* https://doi.org/10.1093/mnrasl/slz150.
2. Kitchatinov L.L. Stability of a force free Hall equilibrium and release of magnetic energy // Astron. Nachr. 2019. Vol.340, №6. P. 475-482.

- <https://doi.org/10.1002/asna.201913644>.

1. Klimushkin D., Mager P., Zong Q.C., Glassmeier K.H. Alfvén Wave Generation by a Compact Source Moving on the Magnetopause: Asymptotic Solution // J. Geophys. Res. 2019. Vol.124, №4. P. 2720-2735. - https://doi.org/10.1029/2018JA025801.
2. Kobanov N.I., Chelpanov A.A. Oscillations Accompanying a He I 10830 Å Negative Flare in a Solar Facula II. Response of the Transition Region and Corona // Sol. physics. 2019. Vol.294, №5. P. 58. - https://doi.org/10.1007/s11207-019-1449-z.
3. Kochanov A.A., Morozova A., Sinegovskaya T.S., Sinegovsky S.I. High-energy atmospheric muon flux calculations in comparison with recent measurements // J. Physics: Conference Series. 2019. Vol.1181. P. 012054. - https://doi.org/10.1088/1742-6596/1181/1/012054.
4. Kosovichev A.G., Pipin V.V. Detection of Dynamo Waves in the Solar Convection Zone by Helioseismology // Bull. American Astron. Society. 2019. Vol.51, №4. P. id. 307.03 .

1. Kosovichev A.G., Pipin V.V. Dynamo wave patterns inside of the Sun revealed by torsional oscillations // Astrophys. J. Letters. 2019. Vol.871, №2. P. L20.

DOI: 10.3847/2041-8213/aafe82.

1. Kotova D., Ovodenko V.D., Yasyukevich Yu.V., Klimenko M., Ratovsky K.G., Mylnikova A.A., Andreeva E.S., Kozlovsky A., Korenkova N.A., Nesterov I., Tumanova Yu. Efficiency of updating the ionospheric models using total electron content at mid- and sub-auroral latitudes // GPS Solutions. 2019. Vol.24, №1. P. 25. - DOI: 10.1007/s10291-019-0936-x. – ЗАНЕСЕНО ПОЗДНЕЕ, В РИО НЕТ
2. Kovadlo P.G., Shikhovtsev A.Yu. Variations of the diffuse light in the different layers of the atmosphere under influence of solar activity // Proceedings SPIE / 25th International Symposium on Atmospheric and Ocean Optics: Atmospheric Physics. 2019. Vol.11208. P. 112086Y. - <https://doi.org/10.1117/12.2540074>.
3. Kudryavtseva A., Prosovetsky D.V. White-light polar jets on rising phase of solar cycle 24 // J. Atm. Sol. - Terr. Phys. 2019. Vol.193. P. 105039. - https://doi.org/10.1016/j.jastp.2019.05.003.
4. Kupriyanova E.G., Kashapova L.K., Van Doorsselaere T., Chowdhury P., Srivastava A.,

Moon Y.J. Quasi - periodic pulsations in a solar flare with an unusual phase shift // Monthly Notices Roy. Astron. Soc. 2019. Vol.483, №4. P. 5499-5507.

* + <https://doi.org/10.1093/mnras/sty3480>.
1. Kurkin V.I., Zolotukhina N.A., Polekh N.M., Podlesnyi A.V. Variability of HF Radio Wave Propagation Conditions along East Siberian Paths in June 2015 // 2019 Russian Open Conference on Radio Wave Propagation (RWP). Kazan, 1-6 July 2019: proc. IEEE, 2019. Vol.1. P. 79-82. DOI: 10.1109/RWP.2019.8810193.
2. Kurt V.G., Belov A.V., Kudela K., Mavromichalaki H., Kashapova L.K., Yushkov B., Sgouropoulos C. Onset time of the GLE 72 obseved at neutron monitors and its relation to electromagnetic emission // Sol. physics. 2019. Vol.294, №2. P. 22.
	* https://doi.org/10.1007/s11207-019-1407-9.
3. Kuznetsov A.A., Kontar E.P. First imaging spectroscopy observations of solar drift pair bursts // Astron. Astrophys. 2019. Vol.631. P. L7. - <https://doi.org/10.1051/0004-6361/201936447>.

1. Leonovich A.S., Kozlov D.A. Kelvin‐Helmholtz Instability in a Dipole Magnetosphere: The Magnetopause as a Tangential Discontinuity // J. Geophys. Res. 2019. Vol.124, №10. P. 7936-7953. - <https://doi.org/10.1029/2019JA026842>.
2. Lysenko A., Anfinogentov S., Fleishman G.D., Svinkin D., Frederiks D. Gamma-ray emission from the impulsive phase of the 2017 September 06 X9.3 flare // Bull. American Astron. Society. 2019. Vol.51, №4. P. id. 216.06.
3. Lysenko A., Anfinogentov S., Svinkin D., Frederiks D., Fleishman G.D. Gamma-Ray Emission from the Impulsive Phase of the 2017 September 6 X9.3 Flare // Astrophys. J. 2019. Vol.877, №2. P. 145. DOI: 10.3847/1538-4357/ab1be0.
4. Mager O.V., Chelpanov M., Mager P., Klimushkin D., Berngardt O.I. Conjugate Ionosphere‐Magnetosphere Observations of a Sub‐Alfvénic Compressional Intermediate‐m Wave: A Case Study Using EKB Radar and Van Allen Probes // J. Geophys. Res. 2019. Vol.124, №5. P. 3276-3290. - https://doi.org/10.1029/2019JA026541.
5. Medvedev A.V., Potekhin A.P. Irkutsk Incoherent Scatter Radar: history, present and future // History of geo- and space sciences. 2019. Vol.10, №2. P. 215-224. DOI: 10.5194/hgss-10-215-2019.
6. Medvedev A.V., Ratovsky K.G., Tolstikov M.V., Vasilyev R.V., Artamonov M. Method for Determining Neutral Wind Velocity Vectors Using Measurements of Internal Gravity Wave Group and Phase Velocities // Atmosphere. 2019. Vol.10, №9. P. 546.
	* <https://doi.org/10.3390/atmos10090546>.

1. Medvedeva I.V., Semenov A.I., Pogoreltsev A.I., Tatarnikov A.V. Influence of sudden stratospheric warming on the mesosphere/lower thermosphere from the hydroxyl emission observations and numerical simulations // J. Atm. Sol. - Terr. Phys. 2019. Vol.187. P. 22-32. DOI: 10.1016/j.jastp.2019.02.005.
2. Medvedeva I.V., Semenov A.I. Variability of the mesopause temperature and concentrations of reactive components of the mid-latitude atmosphere during sudden stratospheric warmings // IOP Conference Series - Earth and Environmental Science. 2019. Vol.231. P. 012036.
	* https://doi.org/10.1088/1755-1315/231/1/012036.
3. Mishin V.M., Mishin V.V., Kurikalova M.A., Sapronova L.A., Karavaev Yu.A. Positive and negative feedbacks in the magnetosphere - ionosphere coupling // J. Atm. Sol. - Terr. Phys. 2019. Vol.187. P. 10-21. DOI: 10.1016/j.jastp.2019.03.002.
4. Molodykh S.I., Zherebtsov G.A., Karakhanyan A.A. Assessment of solar activity impact on the outgoing long-wave flux for cloudless atmosphere // Proceedings SPIE / 25th International Symposium on Atmospheric and Ocean Optics: Atmospheric Physics. 2019. Vol.11208. P. 1120880. - https://doi.org/10.1117/12.2540898.
5. Mordvinov A.V., Kitchatinov L.L. Evolution of the Sun's polar fields and the poleward transport of Remnant magnetic flux // Sol. physics. 2019. Vol.294, №2. P. 21.
	* https://doi.org/10.1007/s11207-019-1410-1.
6. Mordvinov V.I., Olemskoy S.V., Latyshev S.V. Influence of mean magnetic field and magnetic field of the velocity disturbances on the development of hydrodynamic instabilities in tachocline // Proceedings SPIE / 25th International Symposium on Atmospheric and Ocean Optics: Atmospheric Physics. 2019. Vol.11208. P.1120803. - <https://doi.org/10.1117/12.2538285>.
7. Nakariakov V.M., Kosak M.K., Kolotkov D., Anfinogentov S., Kumar P., Moon Y.J. Properties of Slow Magnetoacoustic Oscillations of Solar Coronal Loops by Multi-instrumental Observations // Astrophys. J. Letters. 2019. Vol.874, №1. P. L1.

DOI:10.3847/2041-8213/ab0c9f.

1. Naumenko A., Podlesnyi A.V., Ilyin N.V. Restoration of Polarization Parameters from Data of Vertical Sounding of the Ionosphere by Chirp Signal // 2019 Russian Open Conference on Radio Wave Propagation (RWP). Kazan, 1-6 July 2019: proc. IEEE, 2019. Vol.1. P. 67-70. DOI: 10.1109/RWP.2019.8810190.
2. Nepomnyashchikh A.A., Mandel S., Banerjee D., Kitchatinov L.L. Can the long-term hemispheric asymmetry of solar activity result from fluctuations in dynamo parameters? // Astron. Astrophys. 2019. Vol.625. P. A37. - https: // doi.org/10.1051/0004-6361/201935224.
3. Oinats A.V. Study and Simulation of HF Ground Scatter in the EKB HF Radar Field-Of-View // 2019 Russian Open Conference on Radio Wave Propagation (RWP). Kazan, 1-6 July 2019: proc. IEEE, 2019. Vol.1. P. 63-66. DOI: 10.1109/RWP.2019.8810181.
4. Padokhin A., Tereshin N.A., Yasyukevich Yu.V., Andreeva E.S., Nazarenko M.O., Yasyukevich A. Application of BDS-GEO for studying TEC variability in equatorial ionosphere on different time scales // Adv. Space Research. 2019. Vol.63, №1. P. 257-269.
	* https://doi.org/10.1016/j.asr.2018.08.001.
5. Pandey S.B., Hu Y., Castro - Tirado A.J., Pozanenko A., Sanchez - Ramirez R., Klunko E., et. al. A multiwavelength analysis of a collection of short-duration GRBs observed between 2012 and 2015 // Monthly Notices Roy. Astron. Soc. 2019. Vol.485, №4. P. 5294-5318.
	* <https://doi.org/10.1093/mnras/stz530>.

1. Penzin M.S., Ponomarchuk S.N., Grozov V.P., Kurkin V.I. Real‐Time Techniques for Interpretation of Ionospheric Backscatter Sounding Data // Radio Science. 2019. Vol.54, №5. P. 480-491. - https://doi.org/10.1029/2018RS006656.
2. Pipin V.V., Pevtsov A., Liu Y., Kosovichev A.G. Evolution of Magnetic Helicity in Solar Cycle 24 // Astrophys. J. Letters. 2019. Vol.877, №2. P. L36. DOI: 10.3847/2041-8213/ab21bf.
3. Pipin V.V., Kosovichev A.G. On the Origin of Solar Torsional Oscillations and Extended Solar Cycle // Astrophys. J. 2019. Vol.887, №2. Art. ID # 215. - <https://doi.org/10.3847/1538-4357/ab5952>.
4. Polyachenko E.V., Shukhman I.G. Effect of inner Lindblad resonance on spiral density waves propagation in disc galaxies: reflection over absorption // Monthly Notices Roy. Astron. Soc. 2019. Vol.483, №1. P. 692-703. - https://doi.org/10.1093/mnras/sty3005.
5. Podlesnyi A.V., Naumenko A., Cedrik M. Problem of Topside Ionosphere Sounding Using Chirp Signals // 2019 Russian Open Conference on Radio Wave Propagation (RWP). Kazan, 1-6 July 2019: proc. IEEE, 2019. Vol.1. P. 113-116. DOI: 10.1109/RWP.2019.8810208.
6. Polyakov A.R. The structure of equidistant-frequency groups in the oscillation spectra of the dayside magnetosphere // J. Atm. Sol. - Terr. Phys. 2019. Vol.189. P. 44-51.
	* <https://doi.org/10.1016/j.jastp.2019.04.008>.
7. Ponomarchuk S.N., Penzin M.S. The inversion of backscatter ionograms by continuous chirp signal // Proceedings SPIE / 25th International Symposium on Atmospheric and Ocean Optics: Atmospheric Physics. 2019. Vol.11208. P. 112088Q. - https://doi.org/10.1117/12.2539860.
8. Ponomarchuk S.N., Ilyin N.V., Khakhinov V.V., Kurkin V.I., Oinats A.V., Penzin M.S. Comprehensive algorithm for calculation of backscatter signals characteristics within the waveguide approach // Proceedings SPIE / 25th International Symposium on Atmospheric and Ocean Optics: Atmospheric Physics. 2019. Vol.11208. P. 112088R.

- <https://doi.org/10.1117/12.2539946>.

1. Potravnov I.S., Grinin V.P., Serebriakova N.A. Flares of accretion activity of the 20 Myr old UXOR RZ Psc A64 // Astron. Astrophys. 2019. Vol.630. P. A64. - https://doi.org/10.1051/0004-6361/201935492.
2. Ratovsky K.G., Zherebtsov G.A., Tashlykov V.P. Method for estimation of solar, geomagnetic, and atmospheric contributions to 27-day component of peak electron density // Results in Physics. 2019. Vol.13. P. 102268. - https://doi.org/10.1016/j.rinp.2019.102268.
3. Sdobnov V.E., Kravtsova M., Olemskoy S.V. Features of the cosmic ray 27-day variation within 2014 November - December // J. Physics: Conference Series. 2019. Vol.1181. P. 012005.
	* https://doi.org/10.1088/1742-6596/1181/1/012005.
4. Shikhovtsev A.Yu., Kiselev A.V., Kolobov D.Y., Kovadlo P.G., Russkikh I.V., Kopylov E.A. The calculation of the characteristics of the air refractive index fluctuations along line of sight for multiconjugated adaptive optics // Proceedings SPIE / XIV Intern. conf. on pulsed lasers and laser applications (AMPL-2019). 15-20 September 2019, Tomsk, Russia. 2019. Vol.11322. P. 13220A. - <https://doi.org/10.1117/12.2554697>.
5. Shikhovtsev A.Yu., Chuprakov S.A., Kovadlo P.G. Sensor to register the optical distortions in the wide field of view of solar telescope // Proceedings SPIE / XIV Intern. conf. on pulsed lasers and laser applications (AMPL-2019). 15-20 September 2019, Tomsk, Russia. 2019. Vol.11322. P. 113220B. - <https://doi.org/10.1117/12.2553045>.
6. Shikhovtsev A.Yu., Kovadlo P.G., Lukin V.P., Nosov V., Kiselev A.V., Kolobov D.Y., Kopylov E.A., Shikhovtsev M.Yu., Avdeev F.A. Statistics of the Optical Turbulence from the Micrometeorological Measurements at the Baykal Astrophysical Observatory Site // Atmosphere. 2019. Vol.10, №11. P. 661. - https://doi.org/10.3390/atmos10110661
7. Shikhovtsev A.Yu., Kovadlo P.G., Lukin V.P. Temporal Variations of the Turbulence Profiles at the Sayan Solar Observatory Site // Atmosphere. 2019. Vol.10, №9. P. 499.
	* https://doi.org/10.3390/atmos10090499.
8. Shikhovtsev A.Yu., Kovadlo P.G., Kiselev A.V. The method to restore the profiles of the atmospheric turbulence from solar observations // Proceedings SPIE / 25th International Symposium on Atmospheric and Ocean Optics: Atmospheric Physics. 2019. Vol.11208. P. 112081E. - https://doi.org/10.1117/12.2540073.
9. Shikhovtsev A.Yu., Kovadlo P.G., Kiselev A.V. Features of spatial functions of image motion in crossed optical beams measured by large solar vacuum telescope // Proceedings SPIE / 25th International Symposium on Atmospheric and Ocean Optics: Atmospheric Physics. 2019. Vol.11208. - P. 112082O. - <https://doi.org/10.1117/12.2542282>.
10. Shpynev B.G., Khabituev D.S., Chernigovskaya M. A., Zorkal'tseva O.M. Role of winter jet stream in the middle atmosphere energy balance // J. Atm. Sol. - Terr. Phys. 2019. Vol.188. P. 1-10. DOI: 10.1016/j.jastp.2019.03.008.
11. Smolkov G.Ya. Synchronism of the Events on the Sun and the Earth - A Sign of External Influence on the Solar System // Advances in Theoretical and Computational Physics. 2019. Vol.2, №3. P. 1-7. - doi.org/10.33140/ATCP.02.03.03.
12. Syrovatskiy S.V., Yasyukevich Yu.V., Edemskiy I.K., Vesnin A.M., Voeykov S.V., Zhivet'ev I.V. Can we detect X/M/C- class solar flares from global navigation satellite system data? // Results in Physics. 2019. Vol.12. P. 1004-1005. - doi:10.1016/j.rinp.2018.12.069.
13. Takeshita Y., Shiokawa K., Ozaki M., Manninen J., Oyama S.‐I., Connors M., Baishev D., Kurkin V., Oinats A. Longitudinal extent of magnetospheric ELF/VLF waves using multipoint PWING ground stations at subauroral latitudes // Journal of Geophysical Research: Space Physic.Vol.124, №12. P.9881-9892.

https://agupubs.onlinelibrary.wiley.com/doi/10.1029/2019JA026810

1. Tashchilin A.V. Simulation of ionospheric behavior in the Eastern Asia during magnetic storm on March 17–19, 2015 // Proceedings SPIE / 25th International Symposium on Atmospheric and Ocean Optics: Atmospheric Physics. 2019. Vol.11208. P.1120897. - <https://doi.org/10.1117/12.2540705>.
2. Tkachev I., Vasilyev R.V., Mikhalev A.V., Podlesny S. Simultaneous observations of fast optical events in the Earth’s atmosphere by optical devices complex // Proceedings SPIE / 25th International Symposium on Atmospheric and Ocean Optics: Atmospheric Physics. 2019. Vol.11208. P. 112089C. - <https://doi.org/10.1117/12.2540839>.
3. Vologzhina S.Zh., Latysheva I.V., Latyshev S.V., Loshchenko K.A., Makukhin V.L., Olemskoy S.V. Long-term dynamics of criteria anomaly of temperature in European, Siberian, and Far Eastern regions // Proceedings SPIE / 25th International Symposium on Atmospheric and Ocean Optics: Atmospheric Physics. 2019. Vol.11208. P. 112086K.

- <https://doi.org/10.1117/12.2538280>.

1. Uralov A.M., Grechnev V.V., Ivanukin L.A. Self-similar Piston-Shock and CME // Sol. physics. 2019. Vol.294, №9. P. 113. DOI: 10.1007/s11207-019-1506-7.
2. Zagainova Yu., Fainshtein V.G., Gromova L.I., Gromov S.V. Effects in Extreme Ultraviolet and in Magnetic Field Observed during Stealth CME Formation, Geomagnetic Responses to Its Impact on the Magnetosphere // Sun and Geosphere. 2019. Vol.14, №1. P. 25-30. DOI: 10.31401/SunGeo.2019.01.04 .
3. Zherebtsov G.A., Perevalova N.P. GNSS potential to monitor unsuccessful spacecraft launches // GPS Solutions. 2019. Vol.23, №2. P. 30. - https://doi.org/10.1007/s10291-018-0822-y.
4. Zherebtsov G.A., Kovalenko V.A., Molodykh S.I., Kirichenko K. Solar variability manifestations in weather and climate characteristics // J. Atm. Sol. - Terr. Phys. 2019. Vol.182. P. 217-222. - https://doi.org/10.1016/j.jastp.2018.12.003.
5. Zolotukhina N.A., Mikhalev A.V., Tashchilin A.V., Polekh N.M. Geomagnetic and ionospheric disturbances associated with mid-latitude auroras on March 17, 2015 // Proceedings SPIE / 25th International Symposium on Atmospheric and Ocean Optics: Atmospheric Physics. 2019. Vol.11208. P. 1120899.

- <https://doi.org/10.1117/12.2540730>.

1. Zorkal'tseva O.M., Vasilyev R.V., Mordvinov V.I., Dombrovskaya N.S. Dynamics of the mesosphere and lower thermosphere during sudden stratospheric warmings over the Asian region // Proceedings SPIE / 25th International Symposium on Atmospheric and Ocean Optics: Atmospheric Physics. 2019. 2019. Vol.11208. P. 112086Z. - <https://doi.org/10.1117/12.2540077>.

Kotova DS, Ovodenko VB, Yasyukevich YV, Klimenko MV, Ratovsky KG, Mylnikova AA, Andreevas ES, Kozlovsky AE, Korenkova NA, Nesterov IA, Tumanova YS. Efficiency of updating the ionospheric models using total electron content at mid- and sub-auroral latitudes // GPS SOLUTIONS. Vol. 24, №1, # 25

DOI: 10.1007/s10291-019-0936-x