# A V Dmitriev

List of Publications by Year
in descending order



| | | | |
|---|---|---|---|
| 117 papers | 1,278 citations | 448610 19 h-index | 488211 31 g-index |
| 123 all docs | 123 docs citations | 123 times ranked | 1085 citing authors |

| # | Article | IF | Citations |
|---|---|---|---|
| 1 | Relation of Extreme Ionospheric Events with Geomagnetic and Meteorological Activity. Atmosphere, 2022, 13, 146. | 1.0 | 7 |
| 2 | Spatial Evolution of Energetic Electrons Affecting the Upper Atmosphere during the Last Two Solar Cycles. Atmosphere, 2022, 13, 322. | 1.0 | 4 |
| 3 | State-of-the-Art Capability of Convolutional Neural Networks to Distinguish the Signal in the Ionosphere. Sensors, 2022, 22, 2758. | 2.1 | 2 |
| 4 | CHALLENGES IN APPLICATION OF IMAGE SEGMENTATION ON IONOGRAM DATA. , 2022, , . | | 0 |
| 5 | Mechanisms and Evolution of Geoeffective Large-Scale Plasma Jets in the Magnetosheath. Universe, 2021, 7, 152. | 0.9 | 6 |
| 6 | Study on the Outer Radiation Belt Location in the 23â€“24 Solar Cycles. , 2021, , 1-20. | | 1 |
| 7 | Recovery of Ionospheric Signals Using Fully Convolutional DenseNet and Its Challenges. Sensors, 2021, 21, 6482. | 2.1 | 4 |
| 8 | Magnetospheric response to the interaction with the sporadic solar wind diamagnetic structure. SolneÄ•no-zemnaÃ¢ Fizika, 2021, 7, 12-30. | 0.1 | 2 |
| 9 | Magnetospheric response to the interaction with the sporadic solar wind diamagnetic structure. SolneÄ•no-zemnaÃ¢ Fizika, 2021, 7, 11-28. | 0.2 | 6 |
| 10 | Observations of resonant scattering in the thermosphere and upper mesosphere in the winter season of 2021. EPJ Web of Conferences, 2021, 254, 01005. | 0.1 | 0 |
| 11 | Formation of Ionospheric Irregularities in the East Siberian Region during the Geomagnetic Storm of May 27â€“28, 2017. Russian Journal of Physical Chemistry B, 2020, 14, 377-389. | 0.2 | 6 |
| 12 | The Problems of Passive Remote Sensing of the Earthâ€™s Surface in the Range of 1.2â€“1.6 GHz. Atmosphere, 2020, 11, 650. | 1.0 | 11 |
| 13 | Estimation of the state of the cosmic ray flux based on neural networks. E3S Web of Conferences, 2020, 196, 01007. | 0.2 | 0 |
| 14 | The impact of intense fluxes of energetic protons on the low-latitude ionosphere. E3S Web of Conferences, 2020, 196, 01011. | 0.2 | 0 |
| 15 | Effect of High-Intensity Electron and Proton Fluxes on a Low-Latitude Ionosphere. Russian Journal of Physical Chemistry B, 2020, 14, 873-882. | 0.2 | 7 |
| 16 | On the radiation belt location during the 23rd and 24th solar cycles. Annales Geophysicae, 2019, 37, 719-732. | 0.6 | 4 |
| 17 | Chemical physics of D and E layers of the ionosphere. Advances in Space Research, 2019, 64, 1876-1886. | 1.2 | 29 |
| 18 | Variations of Energetic Electron Fluxes in the Ionosphere during Periods of Solar Cycles. Russian Journal of Physical Chemistry B, 2019, 13, 874-883. | 0.2 | 8 |

| # | Article | IF | Citations |
|---|---|---|---|
| 19 | Quiet Time Structured Pc1 Waves Generated During Transient Foreshock. Journal of Geophysical Research: Space Physics, 2019, 124, 9075-9093. | 0.8 | 2 |
| 20 | Energetic electron enhancements under the radiation belt (<i>L</i>â€‰<â€‰1.2) during a non-storm interval on 1ÂAugustÂ2008. Annales Geophysicae, 2019, 37, 1223-1241. | 0.6 | 5 |
| 21 | DIAMAGNETIC PLASMOIDS AS PART OF DIAMAGNETIC STRUCTURES OF THE SLOW SOLAR WIND AND THEIR IMPACT ON EARTHâ€™S MAGNETOSPHERE. SolneÄ•no-zemnaÃ¢ Fizika, 2019, 5, 34-45. | 0.2 | 6 |
| 22 | Spatial characteristics of recurrent ionospheric storms at low latitudes during solar minimum. Journal of Atmospheric and Solar-Terrestrial Physics, 2018, 179, 553-561. | 0.6 | 1 |
| 23 | Ionospheric Irregularities Over Norilsk During the 27â€“28 May 2017 Geomagnetic Storm. , 2018, , . | | 0 |
| 24 | Solar wind diamagnetic structures as a source of substorm-like disturbances. Journal of Atmospheric and Solar-Terrestrial Physics, 2018, 181, 55-67. | 0.6 | 15 |
| 25 | Electron radiation belt dynamics during magnetic storms and in quiet time. SolneÄ•no-zemnaÃ¢ Fizika, 2018, 4, 51-60. | 0.2 | 4 |
| 26 | Electron radiation belt dynamics during magnetic storms and in quiet time. SolneÄ•no-zemnaÃ¢ Fizika, 2018, 4, 59-71. | 0.2 | 0 |
| 27 | Predictable and unpredictable ionospheric disturbances during St. Patrick's Day magnetic storms of 2013 and 2015 and on 8â€“9 March 2008. Journal of Geophysical Research: Space Physics, 2017, 122, 2398-2423. | 0.8 | 53 |
| 28 | Comparative study of COSMIC/FORMOSAT-3, Irkutsk incoherent scatter radar, Irkutsk Digisonde and IRI model electron density vertical profiles. Advances in Space Research, 2017, 60, 452-460. | 1.2 | 13 |
| 29 | Deformation of the magnetosphere and the penetration boundary of solar protons before the onset of the main phase of a magnetic storm. Geomagnetism and Aeronomy, 2017, 57, 121-131. | 0.2 | 1 |
| 30 | Features of the impact of the solar wind diamagnetic structure on Earthâ€™s magnetosphere. SolneÄ•no-zemnaÃ¢ Fizika, 2017, 3, 44-57. | 0.2 | 9 |
| 31 | Correlation of near-Earth proton enhancements >100 MeV with parameters of solar microwave bursts. SolneÄ•no-zemnaÃ¢ Fizika, 2017, 3, 3-14. | 0.2 | 0 |
| 32 | Effects of ionizing energetic electrons and plasma transport in the ionosphere during the initial phase of the December 2006 magnetic storm. Journal of Geophysical Research: Space Physics, 2016, 121, 5880-5896. | 0.8 | 16 |
| 33 | Model prediction of geosynchronous magnetopause crossings. Space Weather, 2016, 14, 530-543. | 1.3 | 9 |
| 34 | Methods of analysis of geophysical data during increased solar activity. Pattern Recognition and Image Analysis, 2016, 26, 406-418. | 0.6 | 10 |
| 35 | On magnetopause inflation under radial IMF. Advances in Space Research, 2016, 58, 249-256. | 1.2 | 13 |
| 36 | Impulse Bursts of Geomagnetic Pulsations as the Ground Signature of Contact of Interplanetary Irregularity with the Dayside Magnetopause. Open Access Library Journal (oalib), 2016, 03, 1-13. | 0.1 | 1 |

| # | Article | IF | Citations |
|---|---|---|---|
| 37 | Largeâ€scale jets in the magnetosheath and plasma penetration across the magnetopause: THEMIS observations. Journal of Geophysical Research: Space Physics, 2015, 120, 4423-4437. | 0.8 | 43 |
| 38 | Magnetopause inflation under radial IMF: Comparison of models. Earth and Space Science, 2015, 2, 107-114. | 1.1 | 21 |
| 39 | Long-duration positive ionospheric storm during the December 2006 geomagnetic storm: Ionizing effect of forbidden electrons. Advances in Space Research, 2015, 56, 2001-2011. | 1.2 | 9 |
| 40 | On the origin of burst Pc1 pulsations produced in interaction with an oblique interplanetary shock. Planetary and Space Science, 2015, 109-110, 21-31. | 0.9 | 2 |
| 41 | Energetic Electron Enhancements below the Radiation Belt and X-Ray Contamination at Low-Orbiting Satellites. Journal of Astrophysics, 2014, 2014, 1-5. | 0.4 | 1 |
| 42 | Lowâ€latitude ionospheric effects of energetic electrons during a recurrent magnetic storm. Journal of Geophysical Research: Space Physics, 2014, 119, 9283-9302. | 0.8 | 19 |
| 43 | Anomalous dynamics of the extremely compressed magnetosphere during 21 January 2005 magnetic storm. Journal of Geophysical Research: Space Physics, 2014, 119, 877-896. | 0.8 | 23 |
| 44 | TEC evidence for nearâ€equatorial energy deposition by 30 keV electrons in the topside ionosphere. Journal of Geophysical Research: Space Physics, 2013, 118, 4672-4695. | 0.8 | 29 |
| 45 | Longitudinal variations of positive dayside ionospheric storms related to recurrent geomagnetic storms. Journal of Geophysical Research: Space Physics, 2013, 118, 6806-6822. | 0.8 | 16 |
| 46 | The Shape of Strongly Disturbed Dayside Magnetopause. Terrestrial, Atmospheric and Oceanic Sciences, 2013, 24, 225. | 0.3 | 2 |
| 47 | TEC Enhancement due to Energetic Electrons Above Taiwan and the West Pacific. Terrestrial, Atmospheric and Oceanic Sciences, 2013, 24, 213. | 0.3 | 2 |
| 48 | Equatorial trench at the magnetopause under saturation. Journal of Geophysical Research, 2012, 117, . | 3.3 | 5 |
| 49 | Traveling magnetopause distortion related to a largeâ€scale magnetosheath plasma jet: THEMIS and groundâ€based observations. Journal of Geophysical Research, 2012, 117, . | 3.3 | 45 |
| 50 | Ionospheric responses to two large geomagnetic storms over Japanese and Indian longitude sectors. Journal of Atmospheric and Solar-Terrestrial Physics, 2012, 74, 94-110. | 0.6 | 19 |
| 51 | On relation between mid-latitude ionospheric ionization and quasi-trapped energetic electrons during 15 December 2006 magnetic storm. Planetary and Space Science, 2012, 60, 363-369. | 0.9 | 16 |
| 52 | A predictive model of geosynchronous magnetopause crossings. Journal of Geophysical Research, 2011, 116, . | 3.3 | 26 |
| 53 | The role of solar wind pressure jumps in the initiation and control processes of magnetospheric substorms. Geomagnetism and Aeronomy, 2011, 51, 979-993. | 0.2 | 7 |
| 54 | Latitudinal profile of UV nightglow and electron precipitations. Planetary and Space Science, 2011, 59, 733-740. | 0.9 | 5 |

| # | Article | IF | Citations |
|---|---|---|---|
| 55 | Lognormal, Normal and Other Distributions Produced by Algebraic Operations in the Solar Wind. AIP Conference Proceedings, 2010, , . | 0.3 | 4 |
| 56 | Algebra and statistics of the solar wind. Cosmic Research, 2010, 48, 113-128. | 0.2 | 34 |
| 57 | Spatial features of current systems of SFE-flares accompanied by gamma radiation. Geomagnetism and Aeronomy, 2010, 50, 1003-1014. | 0.2 | 0 |
| 58 | Elliptical model of cutoff boundaries for the solar energetic particles measured by POES satellites in December 2006. Journal of Geophysical Research, 2010, 115, . | 3.3 | 34 |
| 59 | Magnetopause expansions for quasiâ€radial interplanetary magnetic field: THEMIS and Geotail observations. Journal of Geophysical Research, 2010, 115, . | 3.3 | 71 |
| 60 | UV Radiation from the Night-Time Atmosphere seen from the â€œUniversitetsky-Tatianaâ€•Satellite. , 2009, , . | | 3 |
| 61 | Atmospheric ultraviolet light and comparison of its intensity with the variation of electron flux with energies higher than 70 keV in satellite orbit (according to Universitetskii-Tatiana satellite data). Moscow University Physics Bulletin (English Translation of Vestnik Moskovskogo Universiteta,) Tj ETQq1 1 0.784314 rgBT /Overlock 10 | 0.1 | 3 |
| 62 | Unusual sudden ionospheric disturbance from solar flare of 4 November 2003. Journal of Atmospheric and Solar-Terrestrial Physics, 2008, 70, 1963-1970. | 0.6 | 4 |
| 63 | Geomagnetic signatures of sudden ionospheric disturbances during extreme solar radiation events. Journal of Atmospheric and Solar-Terrestrial Physics, 2008, 70, 1971-1984. | 0.6 | 19 |
| 64 | Ionospheric effects and telecommunications. Journal of Atmospheric and Solar-Terrestrial Physics, 2008, 70, 1847. | 0.6 | 0 |
| 65 | Magnetospheric source of UHF radio bursts at mid-latitudes during the magnetic storm on October 22, 1999. Solar System Research, 2008, 42, 183-193. | 0.3 | 0 |
| 66 | COSMIC/FORMOSATâ€3 tomography of SEP ionization in the polar cap. Geophysical Research Letters, 2008, 35, . | 1.5 | 8 |
| 67 | Storm-time ionization enhancements at the topside low-latitude ionosphere. Annales Geophysicae, 2008, 26, 867-876. | 0.6 | 19 |
| 68 | Data mining in space physics: MineTool algorithm. Journal of Geophysical Research, 2007, 112, . | 3.3 | 9 |
| 69 | Top-side ionosphere response to extreme solar events. Annales Geophysicae, 2006, 24, 1469-1477. | 0.6 | 12 |
| 70 | Review of electron fluxes within the local drift loss cone: Measurements on CORONAS-I. Advances in Space Research, 2005, 36, 1979-1983. | 1.2 | 4 |
| 71 | Magnetic storm cessation during sustained northward IMF. Advances in Space Research, 2005, 36, 2460-2464. | 1.2 | 3 |
| 72 | Comparison of heliospheric conditions near the earth during four recent solar maxima. Advances in Space Research, 2005, 36, 2339-2344. | 1.2 | 3 |

| # | Article | IF | Citations |
|---|---|---|---|
| 73 | Solar origins of intense geomagnetic storms in 2002 as seen by the CORONAS-F satellite. Advances in Space Research, 2005, 36, 1595-1603. | 1.2 | 1 |
| 74 | Global Variations and Asymmetry of the Sun During Extremely High Activity in Octoberâ€“November 2003. Solar System Research, 2005, 39, 169-175. | 0.3 | 6 |
| 75 | An Empirical Model of the Radiation Belt of Helium Nuclei. Cosmic Research, 2005, 43, 229-232. | 0.2 | 5 |
| 76 | Necessary conditions for geosynchronous magnetopause crossings. Journal of Geophysical Research, 2005, 110, . | 3.3 | 35 |
| 77 | Geosynchronous magnetopause crossings on 29-31 October 2003. Journal of Geophysical Research, 2005, 110, . | 3.3 | 21 |
| 78 | Indirect estimation of the solar wind conditions in 29-31 October 2003. Journal of Geophysical Research, 2005, 110, . | 3.3 | 12 |
| 79 | Interplanetary sources of space weather disturbances in 1997 to 2000. Space Weather, 2005, 3, n/a-n/a. | 1.3 | 19 |
| 80 | Solar and Heliospheric Phenomena in Octoberâ€“November 2003: Causes and Effects. Cosmic Research, 2004, 42, 435-488. | 0.2 | 87 |
| 81 | Magnetic Storms in October 2003. Cosmic Research, 2004, 42, 489-535. | 0.2 | 53 |
| 82 | Geosynchronous magnetopause crossings on October 29?31, 2003. Cosmic Research, 2004, 42, 551-560. | 0.2 | 1 |
| 83 | Dawn-dusk asymmetry of geosynchronous magnetopause crossings. Journal of Geophysical Research, 2004, 109, . | 3.3 | 35 |
| 84 | On the Possible Detection of Evidence for the Approach of Voyager 1 to the Heliospheric Boundaries. Solar System Research, 2003, 37, 421-426. | 0.3 | 2 |
| 85 | The development of the Russian Space Weather Initiatives. Advances in Space Research, 2003, 31, 855-860. | 1.2 | 0 |
| 86 | Saturation of IMFBzinfluence on the position of dayside magnetopause. Journal of Geophysical Research, 2003, 108, . | 3.3 | 23 |
| 87 | Dependence of geosynchronous relativistic electron enhancements on geomagnetic parameters. Journal of Geophysical Research, 2003, 108, . | 3.3 | 16 |
| 88 | Comparative study of bow shock models using Wind and Geotail observations. Journal of Geophysical Research, 2003, 108, . | 3.3 | 41 |
| 89 | Solar Wind Disturbances and Their Sources in the EUV Solar Corona. AIP Conference Proceedings, 2003, , . | 0.3 | 6 |
| 90 | A multifactor analysis of parameters controlling solar wind ion flux correlations using an artificial neural network technique. Journal of Atmospheric and Solar-Terrestrial Physics, 2002, 64, 657-660. | 0.6 | 7 |

| # | Article | IF | Citations |
|---|---|---|---|
| 91 | Data failures in the â€œRiabina-2â€•experiment on MIR orbital station. Radiation Measurements, 2002, 35, 499-504. | 0.7 | 4 |
| 92 | Expected hysteresis of the 23-rd solar cycle in the heliosphere. Advances in Space Research, 2002, 29, 475-479. | 1.2 | 11 |
| 93 | Mini-belt as a fine spatial structure of the outer radiation belt in quiet and disturbed conditions. Advances in Space Research, 2002, 30, 2855-2859. | 1.2 | 0 |
| 94 | Spatial distribution of low energy gamma-rays associated with trapped particles. Advances in Space Research, 2002, 30, 2843-2848. | 1.2 | 2 |
| 95 | Title is missing!. Solar System Research, 2002, 36, 499-506. | 0.3 | 7 |
| 96 | Two-parametric representation of the solar and heliospheric protons. Advances in Space Research, 2001, 27, 841-846. | 1.2 | 0 |
| 97 | Electron acceleration by magnetic pumping on the tail magnetopause. Advances in Space Research, 2001, 28, 807-812. | 1.2 | 7 |
| 98 | Global Asymmetry of the Sun Observed in the Extreme Ultraviolet Radiation. Solar Physics, 2001, 201, 27-36. | 1.0 | 14 |
| 99 | Title is missing!. Solar System Research, 2001, 35, 238-242. | 0.3 | 0 |
| 100 | Solar Wind Data Analysis Using Self-Organizing Hierarchical Neural Network Classifiers. Lecture Notes in Computer Science, 2001, , 289-298. | 1.0 | 2 |
| 101 | Magnetosphere dynamics under disturbed conditions on 23â€“27 November, 1986. Advances in Space Research, 2000, 26, 117-120. | 1.2 | 2 |
| 102 | Solar cosmic ray measurements as a tool for the magnetic storm commencement forecast. Advances in Space Research, 2000, 26, 229-232. | 1.2 | 2 |
| 103 | Model of the slot region of earth's electron radiation belt depending on the heliospheric parameters. Advances in Space Research, 2000, 25, 2311-2314. | 1.2 | 6 |
| 104 | Coronal imprints in the heliospheric plasma and magnetic fields at the Earth's orbit during the last three solar minima. Advances in Space Research, 2000, 25, 1965-1968. | 1.2 | 2 |
| 105 | Solar wind variation with the cycle. Journal of Astrophysics and Astronomy, 2000, 21, 423-429. | 0.4 | 7 |
| 106 | Solar wind and interplanetary magnetic field parameters at the Earth's orbit during three solar cycles. Physics and Chemistry of the Earth, Part C: Solar, Terrestrial and Planetary Science, 2000, 25, 125-128. | 0.2 | 1 |
| 107 | Artificial neural network model of the dayside magnetopause: Physical consequences. Physics and Chemistry of the Earth, Part C: Solar, Terrestrial and Planetary Science, 2000, 25, 169-172. | 0.2 | 1 |
| 108 | Three-dimensional artificial neural network model of the dayside magnetopause. Journal of Geophysical Research, 2000, 105, 18909-18918. | 3.3 | 33 |

| # | Article | IF | Citations |
|---|---|---|---|
| 109 | Dayside magnetopause models. Radiation Measurements, 1999, 30, 687-692. | 0.7 | 17 |
| 110 | Energetic particle fluxes data base of â€œCORONAS-Iâ€•satellite observations. Advances in Space Research, 1998, 21, 1669-1674. | 1.2 | 0 |
| 111 | Distribution of energetic particles and secondary radiation according to orbital station â€œMIRâ€•data obtained in 1991. Advances in Space Research, 1998, 21, 1797-1800. | 1.2 | 5 |
| 112 | Energetic neutron and gamma-ray spectra under the earth radiation belts according to â€œSALUTE-7â€•â€œKOSMOS-1686â€•orbital complex and â€œCORONAS-iâ€•satellite data. Advances in Space Research, 1998, 21, 1801-1804. | 1.2 | 5 |
| 113 | Dependence of polar cap size on interplanetary parameters according to â€œCORONAS-Iâ€•data. Advances in Space Research, 1998, 22, 1323-1326. | 1.2 | 2 |
| 114 | Recurrent fast particle enhancements observed from KORONAS-I. Radiophysics and Quantum Electronics, 1996, 39, 1019-1022. | 0.1 | 0 |
| 115 | The solar particle enhancement of April 14â€“17, 1994 observed without flare signature. Radiophysics and Quantum Electronics, 1996, 39, 1023-1026. | 0.1 | 0 |
| 116 | Formation of the Radiation Belts by Anomalous Cosmic Rays and Similar Phenomena. Geophysical Monograph Series, 0, , 43-47. | 0.1 | 2 |
| 117 | The Development of Spatial Attention Uâ€Net for The Recovery of Ionospheric Measurements and The Extraction of Ionospheric Parameters. Radio Science, 0, , . | 0.8 | 1 |