

M V Kubyshkina

List of Publications by Year in Descending Order

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The third column is the impact factor (IF) of the journal, and the fourth column is the number of citations of the article.

77
papers

2,037
citations

28
h-index

42
g-index

79
ext. papers

2,176
ext. citations

2.9
avg, IF

4.03
L-index

| # | Paper | IF | Citations |
|----|--|------|-----------|
| 77 | The Asymmetry of Magnetospheric Configuration and Substorms Occurrence Rate Within a Solar Activity Cycle. <i>Springer Proceedings in Earth and Environmental Sciences</i> , 2022 , 451-464 | 0.2 | 0 |
| 76 | Data-Based Modeling of the Earth's Magnetic Field. <i>Geophysical Monograph Series</i> , 2021 , 617-635 | 1.1 | 1 |
| 75 | Testing Efficiency of Empirical, Adaptive, and Global MHD Magnetospheric Models to Represent the Geomagnetic Field in a Variety of Conditions. <i>Space Weather</i> , 2019 , 17, 672-686 | 3.7 | 6 |
| 74 | Ionospheric Footprints of Detached Magnetotail Interchange Heads. <i>Geophysical Research Letters</i> , 2019 , 46, 7237-7247 | 4.9 | 11 |
| 73 | Continent-Wide R1/R2 Current System and Ohmic Losses by Broad Dipolarization-Injection Fronts. <i>Journal of Geophysical Research: Space Physics</i> , 2019 , 124, 4064-4082 | 2.6 | 5 |
| 72 | Relations Between vz and Bx Components in Solar Wind and their Effect on Substorm Onset. <i>Geophysical Research Letters</i> , 2018 , 45, 3760-3767 | 4.9 | 3 |
| 71 | On application of asymmetric Kan-like exact equilibria to the Earth magnetotail modeling. <i>Annales Geophysicae</i> , 2018 , 36, 641-653 | 2 | 3 |
| 70 | Simultaneous Remote Observations of Intense Reconnection Effects by DMSP and MMS Spacecraft During a Storm Time Substorm. <i>Journal of Geophysical Research: Space Physics</i> , 2017 , 122, 10891-10909 | 2.6 | 8 |
| 69 | Auroral streamer and its role in driving wave-like pre-onset aurora. <i>Geoscience Letters</i> , 2017 , 4, 8 | 3.5 | 7 |
| 68 | Magnetotail energy dissipation during an auroral substorm. <i>Nature Physics</i> , 2016 , 12, 1158-1163 | 16.2 | 12 |
| 67 | Modulation of the substorm current wedge by bursty bulk flows: 8 September 2002 Revisited. <i>Journal of Geophysical Research: Space Physics</i> , 2016 , 121, 4466-4482 | 2.6 | 7 |
| 66 | A quantitative study of magnetospheric magnetic field line deformation by a two-loop substorm current wedge. <i>Annales Geophysicae</i> , 2015 , 33, 505-517 | 2 | 2 |
| 65 | On the correlation between the fast solar wind flow changes and substorm occurrence. <i>Geophysical Research Letters</i> , 2015 , 42, 5117-5124 | 4.9 | 7 |
| 64 | Further evidence for the role of magnetotail current shape in substorm initiation. <i>Earth, Planets and Space</i> , 2015 , 67, | 2.9 | 11 |
| 63 | Can ring current stabilize magnetotail during steady magnetospheric convection?. <i>Journal of Geophysical Research: Space Physics</i> , 2015 , 120, 10,528-10,542 | 2.6 | 1 |
| 62 | Anharmonic oscillatory flow braking in the Earth's magnetotail. <i>Geophysical Research Letters</i> , 2015 , 42, 3700-3706 | 4.9 | 10 |
| 61 | Defining and resolving current systems in geospace. <i>Annales Geophysicae</i> , 2015 , 33, 1369-1402 | 2 | 51 |

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| 60 | Contribution from different current systems to SYM and ASY midlatitude indices. <i>Journal of Geophysical Research: Space Physics</i> , 2014 , 119, 7243-7263 | 2.6 | 24 |
| 59 | Low-altitude electron acceleration due to multiple flow bursts in the magnetotail. <i>Geophysical Research Letters</i> , 2014 , 41, 777-784 | 4.9 | 6 |
| 58 | Period and damping factor of Pi2 pulsations during oscillatory flow braking in the magnetotail. <i>Journal of Geophysical Research: Space Physics</i> , 2014 , 119, 4512-4520 | 2.6 | 18 |
| 57 | On the increasing oscillation period of flows at the tailward retreating flux pileup region during dipolarization. <i>Journal of Geophysical Research: Space Physics</i> , 2014 , 119, 6603-6611 | 2.6 | 10 |
| 56 | Event study combining magnetospheric and ionospheric perspectives of the substorm current wedge modeling. <i>Journal of Geophysical Research: Space Physics</i> , 2014 , 119, 9714-9728 | 2.6 | 14 |
| 55 | Ionospheric response to oscillatory flow braking in the magnetotail. <i>Journal of Geophysical Research: Space Physics</i> , 2013 , 118, 1529-1544 | 2.6 | 24 |
| 54 | Ionospheric signatures of a plasma sheet rebound flow during a substorm onset. <i>Journal of Geophysical Research: Space Physics</i> , 2013 , 118, 350-363 | 2.6 | 4 |
| 53 | Oscillatory flow braking in the magnetotail: THEMIS statistics. <i>Geophysical Research Letters</i> , 2013 , 40, 2505-2510 | 4.9 | 28 |
| 52 | Interhemispheric magnetic conjugacy. <i>Journal of Geophysical Research: Space Physics</i> , 2013 , 118, 1049-1066 | 2.6 | 4 |
| 51 | Storm time duskside equatorial current and its closure path. <i>Journal of Geophysical Research: Space Physics</i> , 2013 , 118, 5616-5625 | 2.6 | 6 |
| 50 | Geometry of duskside equatorial current during magnetic storm main phase as deduced from magnetospheric and low-altitude observations. <i>Annales Geophysicae</i> , 2013 , 31, 395-408 | 2 | 16 |
| 49 | Flow bouncing and electron injection observed by Cluster. <i>Journal of Geophysical Research: Space Physics</i> , 2013 , 118, 2055-2072 | 2.6 | 36 |
| 48 | Conjugate observations of flow diversion in the magnetotail and auroral arc extension in the ionosphere. <i>Journal of Geophysical Research: Space Physics</i> , 2013 , 118, 4811-4816 | 2.6 | 16 |
| 47 | Auroral streamers implication for the substorm progression on September 14, 2004. <i>Planetary and Space Science</i> , 2012 , 71, 119-124 | 2 | 3 |
| 46 | Efficient diffuse auroral electron scattering by electrostatic electron cyclotron harmonic waves in the outer magnetosphere: A detailed case study. <i>Journal of Geophysical Research</i> , 2012 , 117, | | 72 |
| 45 | Mechanism of substorm current wedge formation: THEMIS observations. <i>Geophysical Research Letters</i> , 2012 , 39, n/a-n/a | 4.9 | 65 |
| 44 | Magnetospheric location of the equatorward prebreakup arc. <i>Journal of Geophysical Research</i> , 2012 , 117, | | 59 |
| 43 | Inner magnetosphere currents during the CIR/HSS storm on July 21-23, 2009. <i>Journal of Geophysical Research</i> , 2012 , 117, n/a-n/a | | 14 |

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| 42 | Kinetic ballooning/interchange instability in a bent plasma sheet. <i>Journal of Geophysical Research</i> , 2012 , 117, n/a-n/a | | 35 |
| 41 | Time-dependent magnetospheric configuration and breakup mapping during a substorm. <i>Journal of Geophysical Research</i> , 2011 , 116, | | 52 |
| 40 | Fast earthward flows, electron cyclotron harmonic waves, and diffuse auroras: Conjunctive observations and a synthesized scenario. <i>Journal of Geophysical Research</i> , 2011 , 116, n/a-n/a | | 33 |
| 39 | Revised timing and onset location of two isolated substorms observed by Time History of Events and Macroscale Interactions During Substorms (THEMIS). <i>Journal of Geophysical Research</i> , 2011 , 116, | | 10 |
| 38 | Substorm growth and expansion onset as observed with ideal ground-spacecraft THEMIS coverage. <i>Journal of Geophysical Research</i> , 2011 , 116, | | 50 |
| 37 | Brightening of onset arc precedes the dipolarization onset: THEMIS observations of two events on 1 March 2008. <i>Annales Geophysicae</i> , 2011 , 29, 2045-2059 | 2 | 6 |
| 36 | Distortions of the magnetic field by storm-time current systems in Earth's magnetosphere. <i>Annales Geophysicae</i> , 2010 , 28, 123-140 | 2 | 39 |
| 35 | Auroral signatures of the plasma injection and dipolarization in the inner magnetosphere. <i>Journal of Geophysical Research</i> , 2010 , 115, n/a-n/a | | 12 |
| 34 | Estimation of magnetosphere-ionosphere mapping accuracy using isotropy boundary and THEMIS observations. <i>Journal of Geophysical Research</i> , 2010 , 115, n/a-n/a | | 23 |
| 33 | MHD aspect of current sheet oscillations related to magnetic field gradients. <i>Annales Geophysicae</i> , 2009 , 27, 417-425 | 2 | 16 |
| 32 | First application of a Petschek-type reconnection model with time-varying reconnection rate to THEMIS observations. <i>Journal of Geophysical Research</i> , 2009 , 114, n/a-n/a | | 13 |
| 31 | Toward adapted time-dependent magnetospheric models: A simple approach based on tuning the standard model. <i>Journal of Geophysical Research</i> , 2009 , 114, n/a-n/a | | 44 |
| 30 | MHD model of the flapping motions in the magnetotail current sheet. <i>Journal of Geophysical Research</i> , 2009 , 114, n/a-n/a | | 42 |
| 29 | Study of near-Earth reconnection events with Cluster and Double Star. <i>Journal of Geophysical Research</i> , 2008 , 113, n/a-n/a | | 56 |
| 28 | Magnetospheric currents during sawtooth events: Event-oriented magnetic field model analysis. <i>Journal of Geophysical Research</i> , 2008 , 113, n/a-n/a | | 15 |
| 27 | Multipoint in situ and ground-based observations during auroral intensifications. <i>Journal of Geophysical Research</i> , 2008 , 113, n/a-n/a | | 17 |
| 26 | Multispacecraft and ground-based observations of substorm timing and activations: Two case studies. <i>Journal of Geophysical Research</i> , 2008 , 113, n/a-n/a | | 18 |
| 25 | Determination of reconnected flux via remote sensing. <i>Advances in Space Research</i> , 2008 , 41, 1292-1297.2.4 | | 5 |

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| 24 | Observation of repeated intense near-Earth reconnection on closed field lines with Cluster, Double Star, and other spacecraft. <i>Geophysical Research Letters</i> , 2007 , 34, | 4.9 | 31 |
| 23 | Multi-spacecraft observation of plasma dipolarization/injection in the inner magnetosphere. <i>Annales Geophysicae</i> , 2007 , 25, 801-814 | 2 | 82 |
| 22 | Magnetospheric current systems during stormtime sawtooth events. <i>Journal of Geophysical Research</i> , 2006 , 111, | | 35 |
| 21 | Substorm topology in the ionosphere and magnetosphere during a flux rope event in the magnetotail. <i>Annales Geophysicae</i> , 2006 , 24, 735-750 | 2 | 8 |
| 20 | Transition from substorm growth to substorm expansion phase as observed with a radial configuration of ISTP and Cluster spacecraft. <i>Annales Geophysicae</i> , 2005 , 23, 2183-2198 | 2 | 22 |
| 19 | Relation between the ring current and the tail current during magnetic storms. <i>Annales Geophysicae</i> , 2005 , 23, 523-533 | 2 | 39 |
| 18 | Proton isotropy boundaries as measured on mid- and low-altitude satellites. <i>Annales Geophysicae</i> , 2005 , 23, 1839-1847 | 2 | 19 |
| 17 | Long-term evolution of magnetospheric current systems during storms. <i>Annales Geophysicae</i> , 2004 , 22, 1317-1334 | 2 | 49 |
| 16 | Locations of proton isotropic boundaries as measured by conjugate high-altitude and low-altitude satellites. <i>Advances in Space Research</i> , 2003 , 31, 1265-1270 | 2.4 | |
| 15 | Bursty bulk flow intrusion to the inner plasma sheet as inferred from auroral observations. <i>Journal of Geophysical Research</i> , 2003 , 108, | | 39 |
| 14 | On the remote sensing of plasma sheet from low-altitude spacecraft. <i>Journal of Atmospheric and Solar-Terrestrial Physics</i> , 2002 , 64, 567-572 | 2 | 5 |
| 13 | Timing and location of phenomena during auroral breakup: A case study. <i>Advances in Space Research</i> , 2002 , 30, 1775-1778 | 2.4 | 4 |
| 12 | Storm time ring current magnetic field modeling during May 15, 1997 event. <i>Advances in Space Research</i> , 2002 , 30, 2175-2180 | 2.4 | 2 |
| 11 | Modeling the ring current magnetic field during storms. <i>Journal of Geophysical Research</i> , 2002 , 107, SMP 3-1 | | 29 |
| 10 | Constructing the magnetospheric model including pressure measurements. <i>Journal of Geophysical Research</i> , 2002 , 107, SMP 4-1 | | 19 |
| 9 | Flow bursts and auroral activations: Onset timing and foot point location. <i>Journal of Geophysical Research</i> , 2001 , 106, 10777-10789 | | 112 |
| 8 | Earthward flow bursts, auroral streamers, and small expansions. <i>Journal of Geophysical Research</i> , 2001 , 106, 10791-10802 | | 226 |
| 7 | Substorm and convection bay compared: Auroral and magnetotail dynamics during convection bay. <i>Journal of Geophysical Research</i> , 2001 , 106, 18843-18855 | | 46 |

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| 6 | Two distinct substorm onsets. <i>Journal of Geophysical Research</i> , 2001 , 106, 13105-13118 | 46 |
| 5 | Magnetotail Currents During the Growth Phase and Local Auroral Breakup. <i>Geophysical Monograph Series</i> , 2000 , 81-89 | 1.1 2 |
| 4 | Entry of plasma sheet particles into the inner magnetosphere as observed by Polar/CAMMICE. <i>Journal of Geophysical Research</i> , 2000 , 105, 25205-25219 | 38 |
| 3 | Ionospheric current signatures of transient plasma sheet flows. <i>Journal of Geophysical Research</i> , 2000 , 105, 10677-10690 | 68 |
| 2 | Hybrid Input Algorithm: An event-oriented magnetospheric model. <i>Journal of Geophysical Research</i> , 1999 , 104, 24977-24993 | 55 |
| 1 | Low Altitude Image of Particle Acceleration and Magnetospheric Reconfiguration at Substorm Onset. <i>Journal of Geomagnetism and Geoelectricity</i> , 1996 , 48, 877-885 | 11 |