

M V Kubyshkina

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77
papers

2,037
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28
h-index

42
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79
ext. papers

2,176
ext. citations

2.9
avg, IF

4.03
L-index

#	Paper	IF	Citations
77	Earthward flow bursts, auroral streamers, and small expansions. <i>Journal of Geophysical Research</i> , 2001 , 106, 10791-10802		226
76	Flow bursts and auroral activations: Onset timing and foot point location. <i>Journal of Geophysical Research</i> , 2001 , 106, 10777-10789		112
75	Multi-spacecraft observation of plasma dipolarization/injection in the inner magnetosphere. <i>Annales Geophysicae</i> , 2007 , 25, 801-814	2	82
74	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
73	Ionospheric current signatures of transient plasma sheet flows. <i>Journal of Geophysical Research</i> , 2000 , 105, 10677-10690		68
72	Mechanism of substorm current wedge formation: THEMIS observations. <i>Geophysical Research Letters</i> , 2012 , 39, n/a-n/a	4.9	65
71	Magnetospheric location of the equatorward prebreakup arc. <i>Journal of Geophysical Research</i> , 2012 , 117,		59
70	Study of near-Earth reconnection events with Cluster and Double Star. <i>Journal of Geophysical Research</i> , 2008 , 113, n/a-n/a		56
69	Hybrid Input Algorithm: An event-oriented magnetospheric model. <i>Journal of Geophysical Research</i> , 1999 , 104, 24977-24993		55
68	Time-dependent magnetospheric configuration and breakup mapping during a substorm. <i>Journal of Geophysical Research</i> , 2011 , 116,		52
67	Defining and resolving current systems in geospace. <i>Annales Geophysicae</i> , 2015 , 33, 1369-1402	2	51
66	Substorm growth and expansion onset as observed with ideal ground-spacecraft THEMIS coverage. <i>Journal of Geophysical Research</i> , 2011 , 116,		50
65	Long-term evolution of magnetospheric current systems during storms. <i>Annales Geophysicae</i> , 2004 , 22, 1317-1334	2	49
64	Substorm and convection bay compared: Auroral and magnetotail dynamics during convection bay. <i>Journal of Geophysical Research</i> , 2001 , 106, 18843-18855		46
63	Two distinct substorm onsets. <i>Journal of Geophysical Research</i> , 2001 , 106, 13105-13118		46
62	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
61	MHD model of the flapping motions in the magnetotail current sheet. <i>Journal of Geophysical Research</i> , 2009 , 114, n/a-n/a		42

60	Distortions of the magnetic field by storm-time current systems in Earth's magnetosphere. <i>Annales Geophysicae</i> , 2010 , 28, 123-140	2	39
59	Bursty bulk flow intrusion to the inner plasma sheet as inferred from auroral observations. <i>Journal of Geophysical Research</i> , 2003 , 108,		39
58	Relation between the ring current and the tail current during magnetic storms. <i>Annales Geophysicae</i> , 2005 , 23, 523-533	2	39
57	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
56	Flow bouncing and electron injection observed by Cluster. <i>Journal of Geophysical Research: Space Physics</i> , 2013 , 118, 2055-2072	2.6	36
55	Kinetic ballooning/interchange instability in a bent plasma sheet. <i>Journal of Geophysical Research</i> , 2012 , 117, n/a-n/a		35
54	Magnetospheric current systems during stormtime sawtooth events. <i>Journal of Geophysical Research</i> , 2006 , 111,		35
53	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
52	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
51	Modeling the ring current magnetic field during storms. <i>Journal of Geophysical Research</i> , 2002 , 107, SMP 3-1		29
50	Oscillatory flow braking in the magnetotail: THEMIS statistics. <i>Geophysical Research Letters</i> , 2013 , 40, 2505-2510	4.9	28
49	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
48	Ionospheric response to oscillatory flow braking in the magnetotail. <i>Journal of Geophysical Research: Space Physics</i> , 2013 , 118, 1529-1544	2.6	24
47	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
46	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
45	Proton isotropy boundaries as measured on mid- and low-altitude satellites. <i>Annales Geophysicae</i> , 2005 , 23, 1839-1847	2	19
44	Constructing the magnetospheric model including pressure measurements. <i>Journal of Geophysical Research</i> , 2002 , 107, SMP 4-1		19
43	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

42	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
41	Multipoint in situ and ground-based observations during auroral intensifications. <i>Journal of Geophysical Research</i> , 2008 , 113, n/a-n/a		17
40	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
39	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
38	MHD aspect of current sheet oscillations related to magnetic field gradients. <i>Annales Geophysicae</i> , 2009 , 27, 417-425	2	16
37	Magnetospheric currents during sawtooth events: Event-oriented magnetic field model analysis. <i>Journal of Geophysical Research</i> , 2008 , 113, n/a-n/a		15
36	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
35	Inner magnetosphere currents during the CIR/HSS storm on July 21 st , 2009. <i>Journal of Geophysical Research</i> , 2012 , 117, n/a-n/a		14
34	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
33	Magnetotail energy dissipation during an auroral substorm. <i>Nature Physics</i> , 2016 , 12, 1158-1163	16.2	12
32	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
31	Ionospheric Footprints of Detached Magnetotail Interchange Heads. <i>Geophysical Research Letters</i> , 2019 , 46, 7237-7247	4.9	11
30	Further evidence for the role of magnetotail current shape in substorm initiation. <i>Earth, Planets and Space</i> , 2015 , 67,	2.9	11
29	Low Altitude Image of Particle Acceleration and Magnetospheric Reconfiguration at Substorm Onset. <i>Journal of Geomagnetism and Geoelectricity</i> , 1996 , 48, 877-885		11
28	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
27	Anharmonic oscillatory flow braking in the Earth's magnetotail. <i>Geophysical Research Letters</i> , 2015 , 42, 3700-3706	4.9	10
26	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
25	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

24	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
23	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
22	Auroral streamer and its role in driving wave-like pre-onset aurora. <i>Geoscience Letters</i> , 2017 , 4, 8	3.5	7
21	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
20	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
19	Low-altitude electron acceleration due to multiple flow bursts in the magnetotail. <i>Geophysical Research Letters</i> , 2014 , 41, 777-784	4.9	6
18	Storm time duskside equatorial current and its closure path. <i>Journal of Geophysical Research: Space Physics</i> , 2013 , 118, 5616-5625	2.6	6
17	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
16	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
15	Determination of reconnected flux via remote sensing. <i>Advances in Space Research</i> , 2008 , 41, 1292-1297	2.4	5
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	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
12	Interhemispheric magnetic conjugacy. <i>Journal of Geophysical Research: Space Physics</i> , 2013 , 118, 1049-1066	2.6	4
11	Timing and location of phenomena during auroral breakup: A case study. <i>Advances in Space Research</i> , 2002 , 30, 1775-1778	2.4	4
10	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
9	Auroral streamers implication for the substorm progression on September 14, 2004. <i>Planetary and Space Science</i> , 2012 , 71, 119-124	2	3
8	On application of asymmetric Kan-like exact equilibria to the Earth magnetotail modeling. <i>Annales Geophysicae</i> , 2018 , 36, 641-653	2	3
7	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

6	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
5	Magnetotail Currents During the Growth Phase and Local Auroral Breakup. <i>Geophysical Monograph Series</i> , 2000 , 81-89	1.1	2
4	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
3	Data-Based Modeling of the Earth's Magnetic Field. <i>Geophysical Monograph Series</i> , 2021 , 617-635	1.1	1
2	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
1	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	