Evgeny Panov

List of Publications by Year in descending order

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49 papers	1,550 citations	331670 21 h-index	302126 39 g-index
61 all docs	61 docs citations	61 times ranked	1069 citing authors

#	Article	IF	Citations
1	Bursty bulk flows and dipolarization in MHD simulations of magnetotail reconnection. Journal of Geophysical Research, 2011, 116, n/a-n/a.	3.3	221
2	Multiple overshoot and rebound of a bursty bulk flow. Geophysical Research Letters, 2010, 37, .	4.0	153
3	Evidence for a flux transfer event generated by multiple Xâ€line reconnection at the magnetopause. Geophysical Research Letters, 2010, 37, .	4.0	126
4	Explosive Magnetotail Activity. Space Science Reviews, 2019, 215, 31.	8.1	75
5	Observations of kinetic ballooning/interchange instability signatures in the magnetotail. Geophysical Research Letters, 2012, 39, .	4.0	62
6	Plasma sheet thickness during a bursty bulk flow reversal. Journal of Geophysical Research, 2010, 115, .	3.3	60
7	Spatial distribution of rolled up Kelvin-Helmholtz vortices at Earth's dayside and flank magnetopause. Annales Geophysicae, 2012, 30, 1025-1035.	1.6	59
8	Ballooningâ€interchange Instability in the Nearâ€Earth Plasma Sheet and Auroral Beads: Global Magnetospheric Modeling at the Limit of the MHD Approximation. Geophysical Research Letters, 2020, 47, e2020GL088227.	4.0	59
9	Contribution of Bursty Bulk Flows to the Global Dipolarization of the Magnetotail During an Isolated Substorm. Journal of Geophysical Research: Space Physics, 2019, 124, 8647-8668.	2.4	58
10	Transient electron precipitation during oscillatory BBF braking: THEMIS observations and theoretical estimates. Journal of Geophysical Research: Space Physics, 2013, 118, 3065-3076.	2.4	50
11	Highâ€latitude Earth's magnetopause outside the cusp: Cluster observations. Journal of Geophysical Research, 2008, 113, .	3.3	48
12	Two types of tangential magnetopause current sheets: Cluster observations and theory. Journal of Geophysical Research, 2011, 116, n/a-n/a.	3.3	46
13	Kinetic ballooning/interchange instability in a bent plasma sheet. Journal of Geophysical Research, 2012, 117, .	3.3	41
14	Asymmetry in the current sheet and secondary magnetic flux ropes during guide field magnetic reconnection. Journal of Geophysical Research, 2012, 117, .	3.3	40
15	Cluster observations of âˆ‚B_z/âˆ‚x during growth phase magnetotail stretching intervals. Journal of Geophysical Research: Space Physics, 2013, 118, 5720-5730.	2.4	39
16	Flow bouncing and electron injection observed by Cluster. Journal of Geophysical Research: Space Physics, 2013, 118, 2055-2072.	2.4	38
17	Oscillatory flow braking in the magnetotail: THEMIS statistics. Geophysical Research Letters, 2013, 40, 2505-2510.	4.0	30
18	Fast tailward flows in the plasma sheet boundary layer during a substorm on 9 March 2008: THEMIS observations. Journal of Geophysical Research, 2011, 116, .	3.3	25

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19	Ionospheric response to oscillatory flow braking in the magnetotail. Journal of Geophysical Research: Space Physics, 2013, 118, 1529-1544.	2.4	25
20	Magnetosheath Interaction with the High Latitude Magnetopause. Surveys in Geophysics, 2005, 26, 95-133.	4.6	23
21	CLUSTER spacecraft observation of a thin current sheet at the Earthâ€™s magnetopause. Advances in Space Research, 2006, 37, 1363-1372.	2.6	21
22	Period and damping factor of Pi2 pulsations during oscillatory flow braking in the magnetotail. Journal of Geophysical Research: Space Physics, 2014, 119, 4512-4520.	2.4	20
23	CLUSTER observation of collisionless transport at the magnetopause. Geophysical Research Letters, 2006, 33, .	4.0	19
24	Investigation of Electron Distribution Functions Associated With Whistler Waves at Dipolarization Fronts in the Earth's Magnetotail: MMS Observations. Journal of Geophysical Research: Space Physics, 2020, 125, e2020JA028268.	2.4	19
25	Dawnward Drifting Interchange Heads in the Earth's Magnetotail. Geophysical Research Letters, 2018, 45, 8834-8843.	4.0	15
26	Magnetotail energy dissipation during an auroralÂsubstorm. Nature Physics, 2016, 12, 1158-1163.	16.7	14
27	Ionospheric Footprints of Detached Magnetotail Interchange Heads. Geophysical Research Letters, 2019, 46, 7237-7247.	4.0	14
28	Experimental study of nonlinear interaction of plasma flow with charged thin current sheets: 2. Hall dynamics, mass and momentum transfer. Nonlinear Processes in Geophysics, 2006, 13, 377-392.	1.3	14
29	Magnetosheath interaction with high latitude magnetopause: Dynamic flow chaotization. Planetary and Space Science, 2005, 53, 133-140.	1.7	12
30	Understanding Spacecraft Trajectories Through Detached Magnetotail Interchange Heads. Journal of Geophysical Research: Space Physics, 2020, 125, e2020JA027930.	2.4	11
31	On the increasing oscillation period of flows at the tailward retreating flux pileup region during dipolarization. Journal of Geophysical Research: Space Physics, 2014, 119, 6603-6611.	2.4	10
32	Anharmonic oscillatory flow braking in the Earth's magnetotail. Geophysical Research Letters, 2015, 42, 3700-3706.	4.0	10
33	Characteristics of Resonant Electrons Interacting With Whistler Waves in the Nearest Dipolarizing Magnetotail. Journal of Geophysical Research: Space Physics, 2021, 126, e2021JA029440.	2.4	9
34	Thin Current Sheet Behind the Dipolarization Front. Journal of Geophysical Research: Space Physics, 2021, 126, e2021JA029518.	2.4	8
35	ROYâ€”A multiscale magnetospheric mission. Planetary and Space Science, 2011, 59, 606-617.	1.7	7
36	Ion Cyclotron Waves Rippling Ballooning/InterChange Instability Heads. Journal of Geophysical Research: Space Physics, 2018, 123, 8261-8274.	2.4	7

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37	Interplanetary magnetic field rotations followed from L1 to the ground: the response of the Earth's magnetosphere as seen by multi-spacecraft and ground-based observations. Annales Geophysicae, 2011, 29, 1549-1569.	1.6	7
38	Strong space plasma magnetic barriers and AlfvÃ©nic collapse. JETP Letters, 2007, 85, 236-241.	1.4	6
39	Comparison of the Flank Magnetopause at Nearâ€Earth and Lunar Distances: MMS and ARTEMIS Observations. Journal of Geophysical Research: Space Physics, 2020, 125, e2020JA028406.	2.4	6
40	Magnetotail Ion Structuring by Kinetic Ballooningâ€Interchange Instability. Geophysical Research Letters, 2022, 49, .	4.0	6
41	Remote estimation of reconnection parameters in the Earth's magnetotail: model and observations. Annales Geophysicae, 2012, 30, 1727-1741.	1.6	5
42	Continentâ€Wide R1/R2 Current System and Ohmic Losses by Broad Dipolarizationâ€Injection Fronts. Journal of Geophysical Research: Space Physics, 2019, 124, 4064-4082.	2.4	5
43	MMS Observations of Reconnection Separatrix Region in the Magnetotail at Different Distances From the Active Neutral Xâ€Line. Journal of Geophysical Research: Space Physics, 2021, 126, e2020JA028694.	2.4	5
44	The Inertiaâ€Based Model for Reconstruction of the Electron Diffusion Region. Journal of Geophysical Research: Space Physics, 2021, 126, e2020JA029045.	2.4	5
45	Boundary layer plasma flows from highâ€latitude reconnection in the summer hemisphere for northward IMF: THEMIS multiâ€point observations. Geophysical Research Letters, 2009, 36, .	4.0	4
46	Two interacting X lines in magnetotail: Evolution of collision between the counterstreaming jets. Geophysical Research Letters, 2016, 43, 7795-7803.	4.0	4
47	Manifestations of Magnetotail Flow Channels in Energetic Particle Signatures at Lowâ€Altitude Orbit. Geophysical Research Letters, 2021, 48, e2021GL093543.	4.0	3
48	Statistical investigation of electric field fluctuations around the lower-hybrid frequency range at dipolarization fronts in the near-earth magnetotail. Physics of Plasmas, 2022, 29, .	1.9	3
49	Current sheet thickness of the outer boundary of the magnetosphere as observed by four CLUSTER satellites. Cosmic Research, 2007, 45, 268-272.	0.6	2