

Rikard Slapak

List of Publications by Year in descending order

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Version: 2024-02-01

25
papers

432
citations

759233

12
h-index

752698

20
g-index

26
all docs

26
docs citations

26
times ranked

480
citing authors

#	ARTICLE	IF	CITATIONS
1	Why an intrinsic magnetic field does not protect a planet against atmospheric escape. <i>Astronomy and Astrophysics</i> , 2018, 614, L3.	5.1	69
2	Hot and cold ion outflow: Spatial distribution of ion heating. <i>Journal of Geophysical Research</i> , 2012, 117, .	3.3	48
3	Ionospheric Response Observed by EISCAT During the 6 th –8 September 2017 Space Weather Event: Overview. <i>Space Weather</i> , 2018, 16, 1437-1450.	3.7	38
4	Hot and cold ion outflow: Observations and implications for numerical models. <i>Journal of Geophysical Research: Space Physics</i> , 2013, 118, 105-117.	2.4	29
5	Atmospheric loss from the dayside open polar region and its dependence on geomagnetic activity: implications for atmospheric escape on evolutionary timescales. <i>Annales Geophysicae</i> , 2017, 35, 721-731.	1.6	28
6	Statistical evidence for O ⁺ energization and outflow caused by wave-particle interaction in the high altitude cusp and mantle. <i>Annales Geophysicae</i> , 2011, 29, 945-954.	1.6	26
7	Earth atmospheric loss through the plasma mantle and its dependence on solar wind parameters. <i>Earth, Planets and Space</i> , 2019, 71, .	2.5	21
8	O ⁺ heating associated with strong wave activity in the high altitude cusp and mantle. <i>Annales Geophysicae</i> , 2011, 29, 931-944.	1.6	20
9	O ⁺ Escape During the Extreme Space Weather Event of 4 th –10 September 2017. <i>Space Weather</i> , 2018, 16, 1363-1376.	3.7	20
10	A statistical study on O ⁺ flux in the dayside magnetosheath. <i>Annales Geophysicae</i> , 2013, 31, 1005-1010.	1.6	19
11	O ⁺ transport in the dayside magnetosheath and its dependence on the IMF direction. <i>Annales Geophysicae</i> , 2015, 33, 301-307.	1.6	17
12	Observations of oxygen ions in the dayside magnetosheath associated with southward IMF. <i>Journal of Geophysical Research</i> , 2012, 117, .	3.3	15
13	Oxygen ion response to proton bursty bulk flows. <i>Journal of Geophysical Research: Space Physics</i> , 2016, 121, 7535-7546.	2.4	11
14	Observations of multiharmonic ion cyclotron waves due to inverse ion cyclotron damping in the northern magnetospheric cusp. <i>Geophysical Research Letters</i> , 2017, 44, 22-29.	4.0	10
15	Quantification of the total ion transport in the near-Earth plasma sheet. <i>Annales Geophysicae</i> , 2017, 35, 869-877.	1.6	10
16	The Oxygen Ion Circulation in The Outer Terrestrial Magnetosphere and Its Dependence on Geomagnetic Activity. <i>Geophysical Research Letters</i> , 2018, 45, 12,669.	4.0	10
17	Relative outflow enhancements during major geomagnetic storms – Cluster observations. <i>Annales Geophysicae</i> , 2017, 35, 1341-1352.	1.6	9
18	Energy conversion through mass loading of escaping ionospheric ions for different Kp values. <i>Annales Geophysicae</i> , 2018, 36, 1-12.	1.6	7

#	ARTICLE	IF	CITATIONS
19	Estimating the fate of oxygen ion outflow from the high-altitude cusp. <i>Annales Geophysicae</i> , 2020, 38, 491-505.	1.6	6
20	Oxygen ion energization by waves in the high altitude cusp and mantle. <i>Annales Geophysicae</i> , 2012, 30, 1309-1314.	1.6	4
21	Centrifugal acceleration at high altitudes above the polar cap: A Monte Carlo simulation. <i>Journal of Geophysical Research: Space Physics</i> , 2015, 120, 6409-6426.	2.4	4
22	Alpha-Viscosity Effects in Slender Tori. <i>Publication of the Astronomical Society of Japan</i> , 2012, 64, 76.	2.5	2
23	O + and H + above the polar cap: Observations and semikinetic simulations. <i>Journal of Geophysical Research: Space Physics</i> , 2016, 121, 459-474.	2.4	2
24	The fate of O ⁺ and H ⁺ ions observed in the plasma mantle: particle tracing modelling and cluster observations. <i>Annales Geophysicae</i> , 2020, 38, 645-656.	1.6	2
25	Local Analysis of Nonlinear Oscillations of Thin Accretion Disks. <i>Publication of the Astronomical Society of Japan</i> , 2008, 60, 605-612.	2.5	1