

V V Krasnoselskikh

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158
papers

5,424
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39
h-index

66
g-index

176
ext. papers

6,290
ext. citations

4.6
avg, IF

5.52
L-index

#	Paper	IF	Citations
158	The Electric Field and Waves Instruments on the Radiation Belt Storm Probes Mission. <i>Space Science Reviews</i> , 2013 , 179, 183-220	7.5	360
157	The FIELDS Instrument Suite for Solar Probe Plus: Measuring the Coronal Plasma and Magnetic Field, Plasma Waves and Turbulence, and Radio Signatures of Solar Transients. <i>Space Science Reviews</i> , 2016 , 204, 49-82	7.5	303
156	Highly structured slow solar wind emerging from an equatorial coronal hole. <i>Nature</i> , 2019 , 576, 237-242	50.4	215
155	Statistics of whistler mode waves in the outer radiation belt: Cluster STAFF-SA measurements. <i>Journal of Geophysical Research: Space Physics</i> , 2013 , 118, 3407-3420	2.6	173
154	Selected Problems in Collisionless-Shock Physics. <i>Space Science Reviews</i> , 2004 , 110, 161-226	7.5	124
153	Quasi-perpendicular Shock Structure and Processes. <i>Space Science Reviews</i> , 2005 , 118, 161-203	7.5	121
152	Nonstationarity of strong collisionless quasiperpendicular shocks: Theory and full particle numerical simulations. <i>Physics of Plasmas</i> , 2002 , 9, 1192-1209	2.1	118
151	Early results from the Whisper instrument on Cluster: an overview. <i>Annales Geophysicae</i> , 2001 , 19, 1241-1258		117
150	Oblique Whistler-Mode Waves in the Earth's Inner Magnetosphere: Energy Distribution, Origins, and Role in Radiation Belt Dynamics. <i>Space Science Reviews</i> , 2016 , 200, 261-355	7.5	111
149	Quasi-parallel Shock Structure and Processes. <i>Space Science Reviews</i> , 2005 , 118, 205-222	7.5	105
148	In situ multi-satellite detection of coherent vortices as a manifestation of Alfvénic turbulence. <i>Nature</i> , 2005 , 436, 825-8	50.4	103
147	Time domain structures: What and where they are, what they do, and how they are made. <i>Geophysical Research Letters</i> , 2015 , 42, 3627-3638	4.9	95
146	Switchbacks in the Near-Sun Magnetic Field: Long Memory and Impact on the Turbulence Cascade. <i>Astrophysical Journal, Supplement Series</i> , 2020 , 246, 39	8	81
145	The Dynamic Quasiperpendicular Shock: Cluster Discoveries. <i>Space Science Reviews</i> , 2013 , 178, 535-598	7.5	78
144	Nonstationarity and reformation of high-Mach-number quasiperpendicular shocks: Cluster observations. <i>Geophysical Research Letters</i> , 2007 , 34,	4.9	69
143	Consequences of geomagnetic activity on energization and loss of radiation belt electrons by oblique chorus waves. <i>Journal of Geophysical Research: Space Physics</i> , 2014 , 119, 2775-2796	2.6	68
142	Electron temperature gradient scale at collisionless shocks. <i>Physical Review Letters</i> , 2011 , 107, 215002	7.4	65

141	Very oblique whistler generation by low-energy electron streams. <i>Journal of Geophysical Research: Space Physics</i> , 2015 , 120, 3665-3683	2.6	62
140	Synthetic Empirical Chorus Wave Model From Combined Van Allen Probes and Cluster Statistics. <i>Journal of Geophysical Research: Space Physics</i> , 2018 , 123, 297-314	2.6	61
139	Direct observation of radiation-belt electron acceleration from electron-volt energies to megavolts by nonlinear whistlers. <i>Physical Review Letters</i> , 2014 , 113, 035001	7.4	61
138	Analytical estimates of electron quasi-linear diffusion by fast magnetosonic waves. <i>Journal of Geophysical Research: Space Physics</i> , 2013 , 118, 3096-3112	2.6	60
137	Timescales for electron quasi-linear diffusion by parallel and oblique lower-band chorus waves. <i>Journal of Geophysical Research</i> , 2012 , 117, n/a-n/a		59
136	INTERACTION OF ENERGETIC PARTICLES WITH WAVES IN STRONGLY INHOMOGENEOUS SOLAR WIND PLASMAS. <i>Astrophysical Journal</i> , 2013 , 778, 111	4.7	57
135	Nonlinear local parallel acceleration of electrons through Landau trapping by oblique whistler mode waves in the outer radiation belt. <i>Geophysical Research Letters</i> , 2015 , 42, 10,140	4.9	55
134	Non-diffusive resonant acceleration of electrons in the radiation belts. <i>Physics of Plasmas</i> , 2012 , 19, 122901		55
133	The quasi-electrostatic mode of chorus waves and electron nonlinear acceleration. <i>Journal of Geophysical Research: Space Physics</i> , 2014 , 119, 1606-1626	2.6	54
132	Switchbacks in the Solar Magnetic Field: Their Evolution, Their Content, and Their Effects on the Plasma. <i>Astrophysical Journal, Supplement Series</i> , 2020 , 246, 68	8	50
131	Determination of dispersion relations in quasi-stationary plasma turbulence using dual satellite data. <i>Geophysical Research Letters</i> , 1995 , 22, 2653-2656	4.9	49
130	Parametric instabilities of Langmuir waves observed by Freja. <i>Journal of Geophysical Research</i> , 1996 , 101, 21515-21525		48
129	Wave energy budget analysis in the Earth's radiation belts uncovers a missing energy. <i>Nature Communications</i> , 2015 , 6, 8143	17.4	47
128	Nonlinear electron acceleration by oblique whistler waves: Landau resonance vs. cyclotron resonance. <i>Physics of Plasmas</i> , 2013 , 20, 122901	2.1	44
127	Electron-acoustic solitons and double layers in the inner magnetosphere. <i>Geophysical Research Letters</i> , 2017 , 44, 4575-4583	4.9	43
126	Whistler Fan Instability Driven by Strahl Electrons in the Solar Wind. <i>Astrophysical Journal Letters</i> , 2019 , 871, L29	7.9	43
125	Experimental determination of the dispersion of waves observed upstream of a quasi-perpendicular shock. <i>Geophysical Research Letters</i> , 1997 , 24, 787-790	4.9	43
124	A Schumann-like resonance on Titan driven by Saturn's magnetosphere possibly revealed by the Huygens Probe. <i>Icarus</i> , 2007 , 191, 251-266	3.8	42

123	Whistler Wave Generation by Halo Electrons in the Solar Wind. <i>Astrophysical Journal Letters</i> , 2019 , 870, L6	7.9	42
122	Inner belt and slot region electron lifetimes and energization rates based on AKEBONO statistics of whistler waves. <i>Journal of Geophysical Research: Space Physics</i> , 2014 , 119, 2876-2893	2.6	40
121	Electron pitch-angle diffusion in radiation belts: The effects of whistler wave oblique propagation. <i>Geophysical Research Letters</i> , 2012 , 39, n/a-n/a	4.9	40
120	Fast transport of resonant electrons in phase space due to nonlinear trapping by whistler waves. <i>Geophysical Research Letters</i> , 2014 , 41, 5727-5733	4.9	39
119	Chorus source region localization in the Earth's outer magnetosphere using THEMIS measurements. <i>Annales Geophysicae</i> , 2010 , 28, 1377-1386	2	39
118	Multi-spacecraft determination of wave characteristics near the proton gyrofrequency in high-altitude cusp. <i>Annales Geophysicae</i> , 2005 , 23, 983-995	2	39
117	The Solar Orbiter Radio and Plasma Waves (RPW) instrument. <i>Astronomy and Astrophysics</i> , 2020 , 642, A12	5.1	39
116	Spatial Extent and Temporal Correlation of Chorus and Hiss: Statistical Results From Multipoint THEMIS Observations. <i>Journal of Geophysical Research: Space Physics</i> , 2018 , 123, 8317-8330	2.6	39
115	Storm-induced energization of radiation belt electrons: Effect of wave obliquity. <i>Geophysical Research Letters</i> , 2013 , 40, 4138-4143	4.9	38
114	Statistical study of the quasi-perpendicular shock ramp widths. <i>Journal of Geophysical Research</i> , 2010 , 115, n/a-n/a		38
113	Wavelet bicoherence analysis of strong plasma turbulence at the Earth's quasiparallel bow shock. <i>Physics of Plasmas</i> , 1995 , 2, 4307-4311	2.1	38
112	Revisiting the structure of low-Mach number, low-beta, quasi-perpendicular shocks. <i>Journal of Geophysical Research: Space Physics</i> , 2017 , 122, 9115-9133	2.6	37
111	Generation of nonlinear electric field bursts in the outer radiation belt through the parametric decay of whistler waves. <i>Geophysical Research Letters</i> , 2015 , 42, 3715-3722	4.9	37
110	Parametric validations of analytical lifetime estimates for radiation belt electron diffusion by whistler waves. <i>Annales Geophysicae</i> , 2013 , 31, 599-624	2	37
109	Diffusive scattering of electrons by electron holes around injection fronts. <i>Journal of Geophysical Research: Space Physics</i> , 2017 , 122, 3163-3182	2.6	36
108	Thermal electron acceleration by localized bursts of electric field in the radiation belts. <i>Geophysical Research Letters</i> , 2014 , 41, 5734-5739	4.9	36
107	Chorus wave-normal statistics in the Earth's radiation belts from ray tracing technique. <i>Annales Geophysicae</i> , 2012 , 30, 1223-1233	2	36
106	Electron scattering and nonlinear trapping by oblique whistler waves: The critical wave intensity for nonlinear effects. <i>Physics of Plasmas</i> , 2014 , 21, 102903	2.1	35

105	Cluster observations of electrostatic solitary waves near the Earth's bow shock. <i>Journal of Geophysical Research</i> , 2008 , 113, n/a-n/a		34
104	Empirical model of lower band chorus wave distribution in the outer radiation belt. <i>Journal of Geophysical Research: Space Physics</i> , 2015 , 120, 10,425-10,442	2.6	33
103	Nonlinear decay of foreshock Langmuir waves in the presence of plasma inhomogeneities: Theory and Cluster observations. <i>Journal of Geophysical Research</i> , 2005 , 110,		32
102	A statistical study of the propagation characteristics of whistler waves observed by Cluster. <i>Geophysical Research Letters</i> , 2011 , 38, n/a-n/a	4.9	31
101	Multispacecraft observations of chorus emissions as a tool for the plasma density fluctuations' remote sensing. <i>Journal of Geophysical Research</i> , 2011 , 116, n/a-n/a		31
100	Dispersive nature of high mach number collisionless plasma shocks: Poynting flux of oblique whistler waves. <i>Physical Review Letters</i> , 2012 , 108, 025002	7.4	31
99	Experimental Insights Into High-Frequency Instabilities and Related Anomalous Electron Transport in Hall Thrusters. <i>IEEE Transactions on Plasma Science</i> , 2008 , 36, 1977-1988	1.3	31
98	Ion sound wave packets at the quasiperpendicular shock front. <i>Geophysical Research Letters</i> , 2005 , 32,	4.9	31
97	Demagnetization of transmitted electrons through a quasi-perpendicular collisionless shock. <i>Journal of Geophysical Research</i> , 2003 , 108,		31
96	Gyroresonant surfing acceleration. <i>Physical Review Letters</i> , 2005 , 94, 031102	7.4	31
95	Stability of relativistic electron trapping by strong whistler or electromagnetic ion cyclotron waves. <i>Physics of Plasmas</i> , 2015 , 22, 082901	2.1	30
94	Correction to A statistical study of the propagation characteristics of whistler waves observed by Cluster. <i>Geophysical Research Letters</i> , 2012 , 39,	4.9	30
93	How to determine the thermal electron density and the magnetic field strength from the Cluster/Whisper observations around the Earth. <i>Annales Geophysicae</i> , 2001 , 19, 1711-1720	2	30
92	The Solar Orbiter Science Activity Plan. <i>Astronomy and Astrophysics</i> , 2020 , 642, A3	5.1	30
91	The scales in quasiperpendicular shocks. <i>Advances in Space Research</i> , 1995 , 15, 247-260	2.4	29
90	Sunward-propagating Whistler Waves Collocated with Localized Magnetic Field Holes in the Solar Wind: Parker Solar Probe Observations at 35.7 R _s Radii. <i>Astrophysical Journal Letters</i> , 2020 , 891, L20	7.9	28
89	Probability of relativistic electron trapping by parallel and oblique whistler-mode waves in Earth's radiation belts. <i>Physics of Plasmas</i> , 2015 , 22, 112903	2.1	28
88	Waveforms of Langmuir turbulence in inhomogeneous solar wind plasmas. <i>Journal of Geophysical Research: Space Physics</i> , 2014 , 119, 9369-9382	2.6	27

87	Probabilistic model of beam-plasma interaction in randomly inhomogeneous solar wind. <i>Journal of Geophysical Research: Space Physics</i> , 2015 , 120, 10,139-10,158	2.6	27
86	A statistical study of the cross-shock electric potential at low Mach number, quasi-perpendicular bow shock crossings using Cluster data. <i>Journal of Geophysical Research</i> , 2012 , 117, n/a-n/a		27
85	Solitary Waves Across Supercritical Quasi-Perpendicular Shocks. <i>Geophysical Research Letters</i> , 2018 , 45, 5809	4.9	26
84	Acceleration of radiation belts electrons by oblique chorus waves. <i>Journal of Geophysical Research</i> , 2012 , 117, n/a-n/a		26
83	Determination of the electron anomalous mobility through measurements of turbulent magnetic field in Hall thrusters. <i>Physics of Plasmas</i> , 2007 , 14, 033504	2.1	26
82	Non-Gaussian statistics in space plasma turbulence: fractal properties and pitfalls. <i>Nonlinear Processes in Geophysics</i> , 1996 , 3, 262-273	2.9	26
81	Statistical study of chorus wave distributions in the inner magnetosphere using Ae and solar wind parameters. <i>Journal of Geophysical Research: Space Physics</i> , 2014 , 119, 6131-6144	2.6	25
80	LANGMUIR WAVE DECAY IN INHOMOGENEOUS SOLAR WIND PLASMAS: SIMULATION RESULTS. <i>Astrophysical Journal</i> , 2015 , 809, 176	4.7	25
79	GENERATION OF ELECTRIC CURRENTS IN THE CHROMOSPHERE VIA NEUTRAL-ION DRAG. <i>Astrophysical Journal</i> , 2010 , 724, 1542-1550	4.7	24
78	Beam-plasma interaction in randomly inhomogeneous plasmas and statistical properties of small-amplitude Langmuir waves in the solar wind and electron foreshock. <i>Journal of Geophysical Research</i> , 2007 , 112, n/a-n/a		23
77	Localized Magnetic-field Structures and Their Boundaries in the Near-Sun Solar Wind from Parker Solar Probe Measurements. <i>Astrophysical Journal</i> , 2020 , 893, 93	4.7	23
76	Electrostatic Steepening of Whistler Waves. <i>Physical Review Letters</i> , 2018 , 120, 195101	7.4	22
75	On the use of tricoherent analysis to detect non-linear wave-wave interactions. <i>Signal Processing</i> , 1995 , 42, 291-309	4.4	22
74	Determination of the dispersion of low frequency waves downstream of a quasiperpendicular collisionless shock. <i>Annales Geophysicae</i> , 1997 , 15, 143-151	2	21
73	Nonlinear Electrostatic Steepening of Whistler Waves: The Guiding Factors and Dynamics in Inhomogeneous Systems. <i>Geophysical Research Letters</i> , 2018 , 45, 2168-2176	4.9	19
72	Scattering by the broadband electrostatic turbulence in the space plasma. <i>Physics of Plasmas</i> , 2018 , 25, 072903	2.1	19
71	Direct evidence of nonstationary collisionless shocks in space plasmas. <i>Science Advances</i> , 2019 , 5, eaau99263	9.26	18
70	Relativistic electron scattering by magnetosonic waves: Effects of discrete wave emission and high wave amplitudes. <i>Physics of Plasmas</i> , 2015 , 22, 062901	2.1	18

69	Acceleration of charged particles by gyroresonant surfing at quasi-parallel shocks. <i>Astronomy and Astrophysics</i> , 2005 , 438, 391-402	5.1	18
68	Generation of downshifted oscillations in the electron foreshock: A loss-cone instability. <i>Geophysical Research Letters</i> , 2005 , 32, n/a-n/a	4.9	17
67	Cluster at the Bow Shock: Introduction. <i>Space Science Reviews</i> , 2005 , 118, 155-160	7.5	17
66	PROBABILISTIC MODEL OF BEAM-PLASMA INTERACTION IN RANDOMLY INHOMOGENEOUS PLASMA. <i>Astrophysical Journal</i> , 2015 , 807, 38	4.7	16
65	Whistler Waves and Electron Properties in the Inner Heliosphere: Helios Observations. <i>Astrophysical Journal</i> , 2020 , 897, 118	4.7	16
64	Cross-Shock Potential in Rippled Versus Planar Quasi-Perpendicular Shocks Observed by MMS. <i>Geophysical Research Letters</i> , 2019 , 46, 2381-2389	4.9	15
63	Approximate analytical solutions for the trapped electron distribution due to quasi-linear diffusion by whistler mode waves. <i>Journal of Geophysical Research: Space Physics</i> , 2014 , 119, 9962-9977	2.6	15
62	GYROSURFING ACCELERATION OF IONS IN FRONT OF EARTH'S QUASI-PARALLEL BOW SHOCK. <i>Astrophysical Journal</i> , 2013 , 771, 4	4.7	15
61	Spatial localization of Langmuir waves generated from an electron beam propagating in an inhomogeneous plasma: Applications to the solar wind. <i>Journal of Geophysical Research</i> , 2010 , 115, n/a-n/a		15
60	Statistics and Polarization of Type III Radio Bursts Observed in the Inner Heliosphere. <i>Astrophysical Journal, Supplement Series</i> , 2020 , 246, 49	8	14
59	Statistical model of electron pitch angle diffusion in the outer radiation belt. <i>Journal of Geophysical Research</i> , 2012 , 117, n/a-n/a		14
58	Equatorial electron loss by double resonance with oblique and parallel intense chorus waves. <i>Journal of Geophysical Research: Space Physics</i> , 2016 , 121, 4498-4517	2.6	13
57	Electron pitch-angle diffusion: resonant scattering by waves vs. nonadiabatic effects. <i>Annales Geophysicae</i> , 2013 , 31, 1485-1490	2	13
56	Observations and modeling of forward and reflected chorus waves captured by THEMIS. <i>Annales Geophysicae</i> , 2011 , 29, 541-550	2	13
55	Drift-Alfvén vortices at the ion Larmor radius scale. <i>Physics of Plasmas</i> , 2008 , 15, 022903	2.1	13
54	Inherentness of Non-stationarity in Solar Wind. <i>Astrophysical Journal</i> , 2019 , 871, 68	4.7	12
53	Growth of filaments and saturation of the filamentation instability. <i>Physics of Plasmas</i> , 2010 , 17, 032108	2.1	12
52	On nonstationarity and rippling of the quasiperpendicular zone of the Earth bow shock: Cluster observations. <i>Annales Geophysicae</i> , 2008 , 26, 2899-2910	2	12

51	Spatial spreading of magnetospherically reflected chorus elements in the inner magnetosphere. <i>Annales Geophysicae</i> , 2013 , 31, 1429-1435	2	11
50	The Influence of Solar Wind and Geomagnetic Indices on Lower Band Chorus Emissions in the Inner Magnetosphere. <i>Journal of Geophysical Research: Space Physics</i> , 2018 , 123, 9022-9034	2.6	11
49	Statistics of electric fields' amplitudes in Langmuir turbulence: A numerical simulation study. <i>Journal of Geophysical Research: Space Physics</i> , 2017 , 122, 3915-3934	2.6	10
48	Switchbacks: statistical properties and deviations from Alfvénicity. <i>Astronomy and Astrophysics</i> , 2021 , 650, A3	5.1	10
47	Modelling of the beam-plasma interaction in a strongly inhomogeneous plasma 2013 ,		9
46	Ducted propagation of chorus waves: Cluster observations. <i>Annales Geophysicae</i> , 2011 , 29, 1629-1634	2	9
45	Drift-Alfvén waves in space plasmas: theory and mode identification. <i>Annales Geophysicae</i> , 2009 , 27, 639-644	2	9
44	Statistical analysis of nonlinear wave interactions in simulated Langmuir turbulence data. <i>Annales Geophysicae</i> , 2003 , 21, 681-692	2	9
43	Classification of probability densities on the basis of Pearson curves with application to coronal heating simulations. <i>Nonlinear Processes in Geophysics</i> , 2003 , 10, 323-333	2.9	9
42	Quiet Sun coronal heating: A statistical model. <i>Astronomy and Astrophysics</i> , 2002 , 382, 699-712	5.1	9
41	On the origin of falling-tone chorus elements in Earth's inner magnetosphere. <i>Annales Geophysicae</i> , 2014 , 32, 1477-1485	2	9
40	Solar wind current sheets and deHoffmann-Teller analysis. First results from Solar Orbiter's DC electric field measurements. <i>Astronomy and Astrophysics</i> ,	5.1	9
39	Whistler wave occurrence and the interaction with strahl electrons during the first encounter of Parker Solar Probe. <i>Astronomy and Astrophysics</i> , 2021 , 650, A9	5.1	9
38	Direct evidence for magnetic reconnection at the boundaries of magnetic switchbacks with Parker Solar Probe. <i>Astronomy and Astrophysics</i> , 2021 , 650, A5	5.1	9
37	Measurement of Magnetic Field Fluctuations in the Parker Solar Probe and Solar Orbiter Missions. <i>Journal of Geophysical Research: Space Physics</i> , 2021 , 126, e2020JA028543	2.6	9
36	Field-aligned chorus wave spectral power in Earth's outer radiation belt. <i>Annales Geophysicae</i> , 2015 , 33, 583-597	2	8
35	Particle acceleration by elliptically and linearly polarized waves in the vicinity of quasi-parallel shocks. <i>Journal of Geophysical Research</i> , 2005 , 110,		8
34	Whistler waves observed by Solar Orbiter / RPW between 0.5 AU and 1 AU. <i>Astronomy and Astrophysics</i> ,	5.1	8

33	On the Efficiency of the Linear-mode Conversion for Generation of Solar Type III Radio Bursts. <i>Astrophysical Journal</i> , 2019 , 879, 51	4.7	7
32	Electron beam relaxation in inhomogeneous plasmas. <i>Annales Geophysicae</i> , 2013 , 31, 1379-1385	2	7
31	Determining the wavelength of Langmuir wave packets at the Earth's bow shock. <i>Annales Geophysicae</i> , 2011 , 29, 613-617	2	7
30	Density fluctuations associated with turbulence and waves. First observations by Solar Orbiter. <i>Astronomy and Astrophysics</i> ,	5.1	7
29	Cyclotron resonance in plasma flow. <i>Physics of Plasmas</i> , 2013 , 20, 124502	2.1	5
28	Kinetic electrostatic waves and their association with current structures in the solar wind. <i>Astronomy and Astrophysics</i> ,	5.1	5
27	First-year ion-acoustic wave observations in the solar wind by the RPW/TDS instrument on board Solar Orbiter. <i>Astronomy and Astrophysics</i> ,	5.1	5
26	Kinetic theory for the ion humps at the foot of the Earth's bow shock. <i>Physics of Plasmas</i> , 2009 , 16, 102902	2.1	4
25	Shell-instability generated waves by low energy electrons on converging magnetic field lines. <i>Geophysical Research Letters</i> , 2006 , 33,	4.9	4
24	Nonlinear interaction of four electrostatic waves in a plasma. <i>Physica D: Nonlinear Phenomena</i> , 2001 , 152-153, 742-751	3.3	4
23	Quiet Sun coronal heating: Analyzing large scale magnetic structures driven by different small-scale uniform sources. <i>Astronomy and Astrophysics</i> , 2002 , 382, 713-721	5.1	4
22	Energetic ions in the Venusian system: Insights from the first Solar Orbiter flyby. <i>Astronomy and Astrophysics</i> ,	5.1	4
21	Solar Orbiter's first Venus flyby: observations from the Radio and Plasma Wave instrument. <i>Astronomy and Astrophysics</i> ,	5.1	4
20	Harmonic Radio Emission in Randomly Inhomogeneous Plasma. <i>Astrophysical Journal</i> , 2021 , 908, 126	4.7	4
19	First dust measurements with the Solar Orbiter Radio and plasma wave instrument. <i>Astronomy and Astrophysics</i> ,	5.1	4
18	Observations of whistler mode waves by Solar Orbiter's RPW Low Frequency Receiver (LFR): In-flight performance and first results. <i>Astronomy and Astrophysics</i> ,	5.1	4
17	Anisotropic spectra of acoustic type turbulence. <i>Physics of Plasmas</i> , 2008 , 15, 062305	2.1	3
16	Solar Orbiter Radio and Plasma Waves - Time Domain Sampler: In-flight performance and first results. <i>Astronomy and Astrophysics</i> ,	5.1	3

15	Cluster at the Bow Shock: Introduction 2005 , 155-160		3
14	Quasi-parallel Shock Structure and Processes 2005 , 205-222		3
13	Shock Drift Acceleration of Ions in an Interplanetary Shock Observed by MMS. <i>Astrophysical Journal Letters</i> , 2020 , 891, L26	7.9	2
12	Nonlinear waves and shocks in relativistic two-fluid hydrodynamics. <i>Journal of Plasma Physics</i> , 2012 , 78, 295-302	2.7	2
11	Statistical study of electron density turbulence and ion-cyclotron waves in the inner heliosphere: Solar Orbiter observations. <i>Astronomy and Astrophysics</i> ,	5.1	2
10	Quasi-perpendicular Shock Structure and Processes 2005 , 161-203		2
9	Relativistic filamentary equilibria. <i>Journal of Plasma Physics</i> , 2011 , 77, 193-205	2.7	1
8	AC magnetic field measurements onboard Cross-Scale: Scientific objectives and instrument design. <i>Planetary and Space Science</i> , 2011 , 59, 580-584	2	1
7	Drift-Alfvén waves at the arbitrary ion Larmor radius scale in dusty plasmas. <i>Journal of Plasma Physics</i> , 2010 , 76, 553-557	2.7	1
6	Wave-particle interactions in the outer radiation belts. <i>Advances in Astronomy and Space Physics</i> , 2015 , 5, 68-74	0.2	1
5	The Dynamic Quasiperpendicular Shock: Cluster Discoveries. <i>Space Sciences Series of ISSI</i> , 2013 , 459-522	0.1	1
4	Terrestrial Bow Shock Parameters From MMS Measurements: Dependence on Upstream and Downstream Time Ranges. <i>Journal of Geophysical Research: Space Physics</i> , 2020 , 125, e2019JA027231	2.6	1
3	Langmuir-Slow Extraordinary Mode Magnetic Signature Observations with Parker Solar Probe. <i>Astrophysical Journal</i> , 2022 , 927, 95	4.7	1
2	Influence of external density fluctuations on parametric 3-wave interaction. <i>Advances in Space Research</i> , 2002 , 30, 1645-1650	2.4	
1	Cluster at the Bow Shock: Status and Outlook. <i>Space Sciences Series of ISSI</i> , 2005 , 223-227	0.1	