V V Krasnoselskikh

List of Publications by Year in Descending Order

158 papers	5,424 citations	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	Langmuir-Slow Extraordinary Mode Magnetic Signature Observations with Parker Solar Probe. *Astrophysical Journal*, **2022**, 927, 95	4.7	1
157	Whistler wave occurrence and the interaction with strahl electrons during the first encounter of Parker Solar Probe. *Astronomy and Astrophysics*, **2021**, 650, A9	5.1	9
156	Switchbacks: statistical properties and deviations from Alfvﬂicity. *Astronomy and Astrophysics*, **2021**, 650, A3	5.1	10
155	Direct evidence for magnetic reconnection at the boundaries of magnetic switchbacks with Parker Solar Probe. *Astronomy and Astrophysics*, **2021**, 650, A5	5.1	9
154	Harmonic Radio Emission in Randomly Inhomogeneous Plasma. *Astrophysical Journal*, **2021**, 908, 126	4.7	4
153	Measurement of Magnetic Field Fluctuations in the Parker Solar Probe and Solar Orbiter Missions. *Journal of Geophysical Research: Space Physics*, **2021**, 126, e2020JA028543	2.6	9
152	Switchbacks in the Solar Magnetic Field: Their Evolution, Their Content, and Their Effects on the Plasma. *Astrophysical Journal, Supplement Series*, **2020**, 246, 68	8	50
151	Shock Drift Acceleration of Ions in an Interplanetary Shock Observed by MMS. *Astrophysical Journal Letters*, **2020**, 891, L26	7.9	2
150	Sunward-propagating Whistler Waves Collocated with Localized Magnetic Field Holes in the Solar Wind: Parker Solar Probe Observations at 35.7 R ? Radii. *Astrophysical Journal Letters*, **2020**, 891, L20	7.9	28
149	Statistics and Polarization of Type III Radio Bursts Observed in the Inner Heliosphere. *Astrophysical Journal, Supplement Series*, **2020**, 246, 49	8	14
148	Switchbacks in the Near-Sun Magnetic Field: Long Memory and Impact on the Turbulence Cascade. *Astrophysical Journal, Supplement Series*, **2020**, 246, 39	8	81
147	The Solar Orbiter Radio and Plasma Waves (RPW) instrument. *Astronomy and Astrophysics*, **2020**, 642, A12	5.1	39
146	The Solar Orbiter Science Activity Plan. *Astronomy and Astrophysics*, **2020**, 642, A3	5.1	30
145	Terrestrial Bow Shock Parameters From MMS Measurements: Dependence on Upstream and Downstream Time Ranges. *Journal of Geophysical Research: Space Physics*, **2020**, 125, e2019JA027231	2.6	1
144	Whistler Waves and Electron Properties in the Inner Heliosphere: Helios Observations. *Astrophysical Journal*, **2020**, 897, 118	4.7	16
143	Localized Magnetic-field Structures and Their Boundaries in the Near-Sun Solar Wind from Parker Solar Probe Measurements. *Astrophysical Journal*, **2020**, 893, 93	4.7	23
142	Inherentness of Non-stationarity in Solar Wind. *Astrophysical Journal*, **2019**, 871, 68	4.7	12

141	Whistler Fan Instability Driven by Strahl Electrons in the Solar Wind. *Astrophysical Journal Letters*, **2019**, 871, L29	7.9	43
140	Direct evidence of nonstationary collisionless shocks in space plasmas. *Science Advances*, **2019**, 5, eaau9926	14.3	18
139	Cross-Shock Potential in Rippled Versus Planar Quasi-Perpendicular Shocks Observed by MMS. *Geophysical Research Letters*, **2019**, 46, 2381-2389	4.9	15
138	On the Efficiency of the Linear-mode Conversion for Generation of Solar Type III Radio Bursts. *Astrophysical Journal*, **2019**, 879, 51	4.7	7
137	Highly structured slow solar wind emerging from an equatorial coronal hole. *Nature*, **2019**, 576, 237-242	50.4	215
136	Whistler Wave Generation by Halo Electrons in the Solar Wind. *Astrophysical Journal Letters*, **2019**, 870, L6	7.9	42
135	Nonlinear Electrostatic Steepening of Whistler Waves: The Guiding Factors and Dynamics in Inhomogeneous Systems. *Geophysical Research Letters*, **2018**, 45, 2168-2176	4.9	19
134	Synthetic Empirical Chorus Wave Model From Combined Van Allen Probes and Cluster Statistics. *Journal of Geophysical Research: Space Physics*, **2018**, 123, 297-314	2.6	61
133	Electrostatic Steepening of Whistler Waves. *Physical Review Letters*, **2018**, 120, 195101	7.4	22
132	Scattering by the broadband electrostatic turbulence in the space plasma. *Physics of Plasmas*, **2018**, 25, 072903	2.1	19
131	Solitary Waves Across Supercritical Quasi-Perpendicular Shocks. *Geophysical Research Letters*, **2018**, 45, 5809	4.9	26
130	The Influence of Solar Wind and Geomagnetic Indices on Lower Band Chorus Emissions in the Inner Magnetosphere. *Journal of Geophysical Research: Space Physics*, **2018**, 123, 9022-9034	2.6	11
129	Spatial Extent and Temporal Correlation of Chorus and Hiss: Statistical Results From Multipoint THEMIS Observations. *Journal of Geophysical Research: Space Physics*, **2018**, 123, 8317-8330	2.6	39
128	Diffusive scattering of electrons by electron holes around injection fronts. *Journal of Geophysical Research: Space Physics*, **2017**, 122, 3163-3182	2.6	36
127	Statistics of electric fields' amplitudes in Langmuir turbulence: A numerical simulation study. *Journal of Geophysical Research: Space Physics*, **2017**, 122, 3915-3934	2.6	10
126	Electron-acoustic solitons and double layers in the inner magnetosphere. *Geophysical Research Letters*, **2017**, 44, 4575-4583	4.9	43
125	Revisiting the structure of low-Mach number, low-beta, quasi-perpendicular shocks. *Journal of Geophysical Research: Space Physics*, **2017**, 122, 9115-9133	2.6	37
124	Equatorial electron loss by double resonance with oblique and parallel intense chorus waves. *Journal of Geophysical Research: Space Physics*, **2016**, 121, 4498-4517	2.6	13

123	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. *Space Science Reviews*, **2016**, 204, 49-82	7.5	303
122	Oblique Whistler-Mode Waves in the Earth's Inner Magnetosphere: Energy Distribution, Origins, and Role in Radiation Belt Dynamics. *Space Science Reviews*, **2016**, 200, 261-355	7.5	111
121	Wave energy budget analysis in the Earth's radiation belts uncovers a missing energy. *Nature Communications*, **2015**, 6, 8143	17.4	47
120	Field-aligned chorus wave spectral power in Earth's outer radiation belt. *Annales Geophysicae*, **2015**, 33, 583-597	2	8
119	PROBABILISTIC MODEL OF BEAM-PLASMA INTERACTION IN RANDOMLY INHOMOGENEOUS PLASMA. *Astrophysical Journal*, **2015**, 807, 38	4.7	16
118	Relativistic electron scattering by magnetosonic waves: Effects of discrete wave emission and high wave amplitudes. *Physics of Plasmas*, **2015**, 22, 062901	2.1	18
117	Empirical model of lower band chorus wave distribution in the outer radiation belt. *Journal of Geophysical Research: Space Physics*, **2015**, 120, 10,425-10,442	2.6	33
116	Very oblique whistler generation by low-energy electron streams. *Journal of Geophysical Research: Space Physics*, **2015**, 120, 3665-3683	2.6	62
115	LANGMUIR WAVE DECAY IN INHOMOGENEOUS SOLAR WIND PLASMAS: SIMULATION RESULTS. *Astrophysical Journal*, **2015**, 809, 176	4.7	25
114	Generation of nonlinear electric field bursts in the outer radiation belt through the parametric decay of whistler waves. *Geophysical Research Letters*, **2015**, 42, 3715-3722	4.9	37
113	Probability of relativistic electron trapping by parallel and oblique whistler-mode waves in Earth's radiation belts. *Physics of Plasmas*, **2015**, 22, 112903	2.1	28
112	Stability of relativistic electron trapping by strong whistler or electromagnetic ion cyclotron waves. *Physics of Plasmas*, **2015**, 22, 082901	2.1	30
111	Nonlinear local parallel acceleration of electrons through Landau trapping by oblique whistler mode waves in the outer radiation belt. *Geophysical Research Letters*, **2015**, 42, 10,140	4.9	55
110	Probabilistic model of beam-plasma interaction in randomly inhomogeneous solar wind. *Journal of Geophysical Research: Space Physics*, **2015**, 120, 10,139-10,158	2.6	27
109	Time domain structures: What and where they are, what they do, and how they are made. *Geophysical Research Letters*, **2015**, 42, 3627-3638	4.9	95
108	Wave-particle interactions in the outer radiation belts. *Advances in Astronomy and Space Physics*, **2015**, 5, 68-74	0.2	1
107	The quasi-electrostatic mode of chorus waves and electron nonlinear acceleration. *Journal of Geophysical Research: Space Physics*, **2014**, 119, 1606-1626	2.6	54
106	Consequences of geomagnetic activity on energization and loss of radiation belt electrons by oblique chorus waves. *Journal of Geophysical Research: Space Physics*, **2014**, 119, 2775-2796	2.6	68

105	Electron scattering and nonlinear trapping by oblique whistler waves: The critical wave intensity for nonlinear effects. *Physics of Plasmas*, **2014**, 21, 102903	2.1	35
104	Direct observation of radiation-belt electron acceleration from electron-volt energies to megavolts by nonlinear whistlers. *Physical Review Letters*, **2014**, 113, 035001	7.4	61
103	Statistical study of chorus wave distributions in the inner magnetosphere using Ae and solar wind parameters. *Journal of Geophysical Research: Space Physics*, **2014**, 119, 6131-6144	2.6	25
102	Waveforms of Langmuir turbulence in inhomogeneous solar wind plasmas. *Journal of Geophysical Research: Space Physics*, **2014**, 119, 9369-9382	2.6	27
101	Fast transport of resonant electrons in phase space due to nonlinear trapping by whistler waves. *Geophysical Research Letters*, **2014**, 41, 5727-5733	4.9	39
100	Thermal electron acceleration by localized bursts of electric field in the radiation belts. *Geophysical Research Letters*, **2014**, 41, 5734-5739	4.9	36
99	Inner belt and slot region electron lifetimes and energization rates based on AKEBONO statistics of whistler waves. *Journal of Geophysical Research: Space Physics*, **2014**, 119, 2876-2893	2.6	40
98	Approximate analytical solutions for the trapped electron distribution due to quasi-linear diffusion by whistler mode waves. *Journal of Geophysical Research: Space Physics*, **2014**, 119, 9962-9977	2.6	15
97	On the origin of falling-tone chorus elements in Earth's inner magnetosphere. *Annales Geophysicae*, **2014**, 32, 1477-1485	2	9
96	Analytical estimates of electron quasi-linear diffusion by fast magnetosonic waves. *Journal of Geophysical Research: Space Physics*, **2013**, 118, 3096-3112	2.6	60
95	Cyclotron resonance in plasma flow. *Physics of Plasmas*, **2013**, 20, 124502	2.1	5
94	Nonlinear electron acceleration by oblique whistler waves: Landau resonance vs. cyclotron resonance. *Physics of Plasmas*, **2013**, 20, 122901	2.1	44
93	The Electric Field and Waves Instruments on the Radiation Belt Storm Probes Mission. *Space Science Reviews*, **2013**, 179, 183-220	7.5	360
92	INTERACTION OF ENERGETIC PARTICLES WITH WAVES IN STRONGLY INHOMOGENEOUS SOLAR WIND PLASMAS. *Astrophysical Journal*, **2013**, 778, 111	4.7	57
91	GYROSURFING ACCELERATION OF IONS IN FRONT OF EARTH's QUASI-PARALLEL BOW SHOCK. *Astrophysical Journal*, **2013**, 771, 4	4.7	15
90	The Dynamic Quasiperpendicular Shock: Cluster Discoveries. *Space Science Reviews*, **2013**, 178, 535-598	7.5	78
89	Modelling of the beam-plasma interaction in a strongly inhomogeneous plasma **2013**,		9
88	Parametric validations of analytical lifetime estimates for radiation belt electron diffusion by whistler waves. *Annales Geophysicae*, **2013**, 31, 599-624	2	37

87	Spatial spreading of magnetospherically reflected chorus elements in the inner magnetosphere. *Annales Geophysicae*, **2013**, 31, 1429-1435	2	11
86	Electron pitch-angle diffusion: resonant scattering by waves vs. nonadiabatic effects. *Annales Geophysicae*, **2013**, 31, 1485-1490	2	13
85	Statistics of whistler mode waves in the outer radiation belt: Cluster STAFF-SA measurements. *Journal of Geophysical Research: Space Physics*, **2013**, 118, 3407-3420	2.6	173
84	Storm-induced energization of radiation belt electrons: Effect of wave obliquity. *Geophysical Research Letters*, **2013**, 40, 4138-4143	4.9	38
83	Electron beam relaxation in inhomogeneous plasmas. *Annales Geophysicae*, **2013**, 31, 1379-1385	2	7
82	The Dynamic Quasiperpendicular Shock: Cluster Discoveries. *Space Sciences Series of ISSI*, **2013**, 459-522	0.1	1
81	Non-diffusive resonant acceleration of electrons in the radiation belts. *Physics of Plasmas*, **2012**, 19, 122901	2.1	55
80	A statistical study of the cross-shock electric potential at low Mach number, quasi-perpendicular bow shock crossings using Cluster data. *Journal of Geophysical Research*, **2012**, 117, n/a-n/a		27
79	Electron pitch-angle diffusion in radiation belts: The effects of whistler wave oblique propagation. *Geophysical Research Letters*, **2012**, 39, n/a-n/a	4.9	40
78	Acceleration of radiation belts electrons by oblique chorus waves. *Journal of Geophysical Research*, **2012**, 117, n/a-n/a		26
77	Statistical model of electron pitch angle diffusion in the outer radiation belt. *Journal of Geophysical Research*, **2012**, 117, n/a-n/a		14
76	Timescales for electron quasi-linear diffusion by parallel and oblique lower-band chorus waves. *Journal of Geophysical Research*, **2012**, 117, n/a-n/a		59
75	Chorus wave-normal statistics in the Earth's radiation belts from ray tracing technique. *Annales Geophysicae*, **2012**, 30, 1223-1233	2	36
74	Dispersive nature of high mach number collisionless plasma shocks: Poynting flux of oblique whistler waves. *Physical Review Letters*, **2012**, 108, 025002	7.4	31
73	Nonlinear waves and shocks in relativistic two-fluid hydrodynamics. *Journal of Plasma Physics*, **2012**, 78, 295-302	2.7	2
72	Correction to A statistical study of the propagation characteristics of whistler waves observed by Cluster *Geophysical Research Letters*, **2012**, 39,	4.9	30
71	A statistical study of the propagation characteristics of whistler waves observed by Cluster. *Geophysical Research Letters*, **2011**, 38, n/a-n/a	4.9	31
70	Multispacecraft observations of chorus emissions as a tool for the plasma density fluctuations' remote sensing. *Journal of Geophysical Research*, **2011**, 116, n/a-n/a		31

69	Ducted propagation of chorus waves: Cluster observations. *Annales Geophysicae*, **2011**, 29, 1629-1634	2	9
68	Relativistic filamentary equilibria. *Journal of Plasma Physics*, **2011**, 77, 193-205	2.7	1
67	AC magnetic field measurements onboard Cross-Scale: Scientific objectives and instrument design. *Planetary and Space Science*, **2011**, 59, 580-584	2	1
66	Electron temperature gradient scale at collisionless shocks. *Physical Review Letters*, **2011**, 107, 215002	7.4	65
65	Observations and modeling of forward and reflected chorus waves captured by THEMIS. *Annales Geophysicae*, **2011**, 29, 541-550	2	13
64	Determining the wavelength of Langmuir wave packets at the Earth's bow shock. *Annales Geophysicae*, **2011**, 29, 613-617	2	7
63	Drift-Alfvén waves at the arbitrary ion Larmor radius scale in dusty plasmas. *Journal of Plasma Physics*, **2010**, 76, 553-557	2.7	1
62	Chorus source region localization in the Earth's outer magnetosphere using THEMIS measurements. *Annales Geophysicae*, **2010**, 28, 1377-1386	2	39
61	Statistical study of the quasi-perpendicular shock ramp widths. *Journal of Geophysical Research*, **2010**, 115, n/a-n/a		38
60	Spatial localization of Langmuir waves generated from an electron beam propagating in an inhomogeneous plasma: Applications to the solar wind. *Journal of Geophysical Research*, **2010**, 115, n/a-n/a		15
59	Growth of filaments and saturation of the filamentation instability. *Physics of Plasmas*, **2010**, 17, 032108	2.1	12
58	GENERATION OF ELECTRIC CURRENTS IN THE CHROMOSPHERE VIA NEUTRAL-ION DRAG. *Astrophysical Journal*, **2010**, 724, 1542-1550	4.7	24
57	Drift-Alfvén waves in space plasmas theory and mode identification. *Annales Geophysicae*, **2009**, 27, 639-644	2	9
56	Kinetic theory for the ion humps at the foot of the Earth's bow shock. *Physics of Plasmas*, **2009**, 16, 102902	2.1	4
55	Cluster observations of electrostatic solitary waves near the Earth's bow shock. *Journal of Geophysical Research*, **2008**, 113, n/a-n/a		34
54	Experimental Insights Into High-Frequency Instabilities and Related Anomalous Electron Transport in Hall Thrusters. *IEEE Transactions on Plasma Science*, **2008**, 36, 1977-1988	1.3	31
53	Drift-Alfvén vortices at the ion Larmor radius scale. *Physics of Plasmas*, **2008**, 15, 022903	2.1	13
52	Anisotropic spectra of acoustic type turbulence. *Physics of Plasmas*, **2008**, 15, 062305	2.1	3

51	On nonstationarity and rippling of the quasiperpendicular zone of the Earth bow shock: Cluster observations. *Annales Geophysicae*, **2008**, 26, 2899-2910	2	12
50	Nonstationarity and reformation of high-Mach-number quasiperpendicular shocks: Cluster observations. *Geophysical Research Letters*, **2007**, 34,	4.9	69
49	Beam-plasma interaction in randomly inhomogeneous plasmas and statistical properties of small-amplitude Langmuir waves in the solar wind and electron foreshock. *Journal of Geophysical Research*, **2007**, 112, n/a-n/a		23
48	A Schumann-like resonance on Titan driven by Saturn's magnetosphere possibly revealed by the Huygens Probe. *Icarus*, **2007**, 191, 251-266	3.8	42
47	Determination of the electron anomalous mobility through measurements of turbulent magnetic field in Hall thrusters. *Physics of Plasmas*, **2007**, 14, 033504	2.1	26
46	Shell-instability generated waves by low energy electrons on converging magnetic field lines. *Geophysical Research Letters*, **2006**, 33,	4.9	4
45	Nonlinear decay of foreshock Langmuir waves in the presence of plasma inhomogeneities: Theory and Cluster observations. *Journal of Geophysical Research*, **2005**, 110,		32
44	Generation of downshifted oscillations in the electron foreshock: A loss-cone instability. *Geophysical Research Letters*, **2005**, 32, n/a-n/a	4.9	17
43	Ion sound wave packets at the quasiperpendicular shock front. *Geophysical Research Letters*, **2005**, 32,	4.9	31
42	Particle acceleration by elliptically and linearly polarized waves in the vicinity of quasi-parallel shocks. *Journal of Geophysical Research*, **2005**, 110,		8
41	Acceleration of charged particles by gyroresonant surfing at quasi-parallel shocks. *Astronomy and Astrophysics*, **2005**, 438, 391-402	5.1	18
40	In situ multi-satellite detection of coherent vortices as a manifestation of Alfvﬁic turbulence. *Nature*, **2005**, 436, 825-8	50.4	103
39	Cluster at the Bow Shock: Introduction. *Space Science Reviews*, **2005**, 118, 155-160	7.5	17
38	Quasi-perpendicular Shock Structure and Processes. *Space Science Reviews*, **2005**, 118, 161-203	7.5	121
37	Quasi-parallel Shock Structure and Processes. *Space Science Reviews*, **2005**, 118, 205-222	7.5	105
36	Multi-spacecraft determination of wave characteristics near the proton gyrofrequency in high-altitude cusp. *Annales Geophysicae*, **2005**, 23, 983-995	2	39
35	Gyroresonant surfing acceleration. *Physical Review Letters*, **2005**, 94, 031102	7.4	31
34	Cluster at the Bow Shock: Status and Outlook. *Space Sciences Series of ISSI*, **2005**, 223-227	0.1	

33	Cluster at the Bow Shock: Introduction **2005**, 155-160		3
32	Quasi-perpendicular Shock Structure and Processes **2005**, 161-203		2
31	Quasi-parallel Shock Structure and Processes **2005**, 205-222		3
30	Selected Problems in Collisionless-Shock Physics. *Space Science Reviews*, **2004**, 110, 161-226	7.5	124
29	Statistical analysis of nonlinear wave interactions in simulated Langmuir turbulence data. *Annales Geophysicae*, **2003**, 21, 681-692	2	9
28	Classification of probability densities on the basis of Pearson curves with application to coronal heating simulations. *Nonlinear Processes in Geophysics*, **2003**, 10, 323-333	2.9	9
27	Demagnetization of transmitted electrons through a quasi-perpendicular collisionless shock. *Journal of Geophysical Research*, **2003**, 108,		31
26	Quiet Sun coronal heating: A statistical model. *Astronomy and Astrophysics*, **2002**, 382, 699-712	5.1	9
25	Influence of external density fluctuations on parametric 3-wave interaction. *Advances in Space Research*, **2002**, 30, 1645-1650	2.4	
24	Nonstationarity of strong collisionless quasiperpendicular shocks: Theory and full particle numerical simulations. *Physics of Plasmas*, **2002**, 9, 1192-1209	2.1	118
23	Quiet Sun coronal heating: Analyzing large scale magnetic structures driven by different small-scale uniform sources. *Astronomy and Astrophysics*, **2002**, 382, 713-721	5.1	4
22	Nonlinear interaction of four electrostatic waves in a plasma. *Physica D: Nonlinear Phenomena*, **2001**, 152-153, 742-751	3.3	4
21	Early results from the Whisper instrument on Cluster: an overview. *Annales Geophysicae*, **2001**, 19, 1241-1258	1	117
20	How to determine the thermal electron density and the magnetic field strength from the Cluster/Whisper observations around the Earth. *Annales Geophysicae*, **2001**, 19, 1711-1720	2	30
19	Experimental determination of the dispersion of waves observed upstream of a quasi-perpendicular shock. *Geophysical Research Letters*, **1997**, 24, 787-790	4.9	43
18	Determination of the dispersion of low frequency waves downstream of a quasiperpendicular collisionless shock. *Annales Geophysicae*, **1997**, 15, 143-151	2	21
17	Parametric instabilities of Langmuir waves observed by Freja. *Journal of Geophysical Research*, **1996**, 101, 21515-21525		48
16	Non-Gaussian statistics in space plasma turbulence: fractal properties and pitfalls. *Nonlinear Processes in Geophysics*, **1996**, 3, 262-273	2.9	26

15	On the use of tricoherent analysis to detect non-linear wave-wave interactions. *Signal Processing*, **1995**, 42, 291-309	4.4	22
14	Determination of dispersion relations in quasi-stationary plasma turbulence using dual satellite data. *Geophysical Research Letters*, **1995**, 22, 2653-2656	4.9	49
13	Wavelet bicoherence analysis of strong plasma turbulence at the Earth quasiparallel bow shock. *Physics of Plasmas*, **1995**, 2, 4307-4311	2.1	38
12	The scales in quasiperpendicular shocks. *Advances in Space Research*, **1995**, 15, 247-260	2.4	29
11	Whistler waves observed by Solar Orbiter / RPW between 0.5 AU and 1 AU. *Astronomy and Astrophysics*,	5.1	8
10	Energetic ions in the Venusian system: Insights from the first Solar Orbiter flyby. *Astronomy and Astrophysics*,	5.1	4
9	Solar wind current sheets and deHoffmann-Teller analysis. First results from Solar Orbiter's DC electric field measurements. *Astronomy and Astrophysics*,	5.1	9
8	Statistical study of electron density turbulence and ion-cyclotron waves in the inner heliosphere: Solar Orbiter observations. *Astronomy and Astrophysics*,	5.1	2
7	Kinetic electrostatic waves and their association with current structures in the solar wind. *Astronomy and Astrophysics*,	5.1	5
6	Solar Orbiter's first Venus flyby: observations from the Radio and Plasma Wave instrument. *Astronomy and Astrophysics*,	5.1	4
5	Density fluctuations associated with turbulence and waves. First observations by Solar Orbiter. *Astronomy and Astrophysics*,	5.1	7
4	First dust measurements with the Solar Orbiter Radio and plasma wave instrument. *Astronomy and Astrophysics*,	5.1	4
3	Observations of whistler mode waves by Solar Orbiter's RPW Low Frequency Receiver (LFR): In-flight performance and first results. *Astronomy and Astrophysics*,	5.1	4
2	Solar Orbiter Radio and Plasma Waves - Time Domain Sampler: In-flight performance and first results. *Astronomy and Astrophysics*,	5.1	3
1	First-year ion-acoustic wave observations in the solar wind by the RPW/TDS instrument on board Solar Orbiter. *Astronomy and Astrophysics*,	5.1	5