Mihailo MartinoviÄ

List of Publications by Year
in descending order

54 papers	3,885 citations	186265 28 h-index	168389 53 g-index
56 all docs	56 docs citations	56 times ranked	1879 citing authors

#	Article	IF	Citations
1	Plasma Parameters From Quasiâ€Thermal Noise Observed by Parker Solar Probe: A New Model for the Antenna Response. Journal of Geophysical Research: Space Physics, 2022, 127, .	2.4	2
2	The Interplay Between Ambipolar Electric Field and Coulomb Collisions in the Solar Wind Acceleration Region. Journal of Geophysical Research: Space Physics, 2021, 126, e2020JA028864.	2.4	7
3	Inferred Linear Stability of Parker Solar Probe Observations Using One- and Two-component Proton Distributions. Astrophysical Journal, 2021, 909, 7.	4.5	22
4	Multiscale Solar Wind Turbulence Properties inside and near Switchbacks Measured by the Parker Solar Probe. Astrophysical Journal, 2021, 912, 28.	4.5	23
5	How AlfvÃ©n waves energize the solar wind: heat versus work. Journal of Plasma Physics, 2021, 87, .	2.1	5
6	Subluminal electrostatic noise in isotropic space plasmas. General formulas and nonrelativistic thermal limit. Physics of Plasmas, 2021, 28, .	1.9	1
7	Wave-particle energy transfer directly observed in an ion cyclotron wave. Astronomy and Astrophysics, 2021, 650, A10.	5.1	12
8	AlfvÃ©nic versus non-AlfvÃ©nic turbulence in the inner heliosphere as observed by Parker Solar Probe. Astronomy and Astrophysics, 2021, 650, A21.	5.1	29
9	Electron heat flux in the near-Sun environment. Astronomy and Astrophysics, 2021, 650, A15.	5.1	32
10	Narrowband oblique whistler-mode waves: comparing properties observed by Parker Solar Probe at <0.3 AU and STEREO at 1 AU. Astronomy and Astrophysics, 2021, 650, A8.	5.1	20
11	Density fluctuations associated with turbulence and waves. Astronomy and Astrophysics, 2021, 656, A19.	5.1	24
12	Solar wind energy flux observations in the inner heliosphere: first results from Parker Solar Probe. Astronomy and Astrophysics, 2021, 650, A14.	5.1	12
13	Simulations of radio-wave anisotropic scattering to interpret type III radio burst data from Solar Orbiter, Parker Solar Probe, STEREO, and Wind. Astronomy and Astrophysics, 2021, 656, A34.	5.1	12
14	First observations and performance of the RPW instrument on board the Solar Orbiter mission. Astronomy and Astrophysics, 2021, 656, A41.	5.1	9
15	Ion-driven Instabilities in the Inner Heliosphere. I. Statistical Trends. Astrophysical Journal, 2021, 923, 116.	4.5	6
16	<i>Parker Solar Probe</i> Enters the Magnetically Dominated Solar Corona. Physical Review Letters, 2021, 127, 255101.	7.8	104
17	The Solar Orbiter mission. Astronomy and Astrophysics, 2020, 642, A1.	5.1	514
18	Solar Wind Electron Parameters Determination on Wind Spacecraft Using Quasiâ€Thermal Noise Spectroscopy. Journal of Geophysical Research: Space Physics, 2020, 125, e2020JA028113.	2.4	3

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19	Proton core behaviour inside magnetic field switchbacks. Monthly Notices of the Royal Astronomical Society, 2020, 498, 5524-5531.	4.4	29
20	The Heliospheric Current Sheet and Plasma Sheet during Parker Solar Probeâ€™s First Orbit. Astrophysical Journal Letters, 2020, 894, L19.	8.3	39
21	Proton Temperature Anisotropy Variations in Inner Heliosphere Estimated with the First <i>Parker Solar Probe</i> Observations. Astrophysical Journal, Supplement Series, 2020, 246, 70.	7.7	56
22	The Solar Probe Cup on the Parker Solar Probe. Astrophysical Journal, Supplement Series, 2020, 246, 43.	7.7	154
23	Electrons in the Young Solar Wind: First Results from the Parker Solar Probe. Astrophysical Journal, Supplement Series, 2020, 246, 22.	7.7	99
24	The Enhancement of Proton Stochastic Heating in the Near-Sun Solar Wind. Astrophysical Journal, Supplement Series, 2020, 246, 30.	7.7	23
25	Impedance and Voltage Power Spectra of a Monopole Antenna in a Warm Plasmaâ€"Derivation and Application to CubeSats. Radio Science, 2020, 55, e2019RS006956.	1.6	0
26	The Solar Orbiter Radio and Plasma Waves (RPW) instrument. Astronomy and Astrophysics, 2020, 642, A12.	5.1	80
27	Anticorrelation between the Bulk Speed and the Electron Temperature in the Pristine Solar Wind: First Results from the <i>Parker Solar Probe</i> and Comparison with <i>Helios</i>. Astrophysical Journal, Supplement Series, 2020, 246, 62.	7.7	55
28	Turbulence Characteristics of Switchback and Nonswitchback Intervals Observed byÂParker Solar Probe. Astrophysical Journal Letters, 2020, 904, L30.	8.3	31
29	Radial Evolution of Stochastic Heating in Low-Î² Solar Wind. Astrophysical Journal, 2019, 879, 43.	4.5	14
30	Scattering of strahl electrons in the solar wind between 0.3 and 1 au: Helios observations. Monthly Notices of the Royal Astronomical Society, 2019, 486, 3404-3414.	4.4	58
31	AlfvÃ©nic velocity spikes and rotational flows in the near-Sun solar wind. Nature, 2019, 576, 228-231.	27.8	311
32	Highly structured slow solar wind emerging from an equatorial coronal hole. Nature, 2019, 576, 237-242.	27.8	401
33	Linear Stability in the Inner Heliosphere: Helios Re-evaluated. Astrophysical Journal, 2019, 887, 234.	4.5	16
34	Electrostatic thermal noise in a weakly ionized collisional plasma. Radio Science, 2017, 52, 70-77.	1.6	5
35	The Solar Probe Plus Radio Frequency Spectrometer: Measurement requirements, analog design, and digital signal processing. Journal of Geophysical Research: Space Physics, 2017, 122, 2836-2854.	2.4	74
36	A Zone of Preferential Ion Heating Extends Tens of Solar Radii from the Sun. Astrophysical Journal, 2017, 849, 126.	4.5	47

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37	Quasiâ€thermal noise measurements on STEREO: Kinetic temperature deduction using electron shot noise model. Journal of Geophysical Research: Space Physics, 2016, 121, 129-139.	2.4	12
38	The FIELDS Instrument Suite for Solar Probe Plus. Space Science Reviews, 2016, 204, 49-82.	8.1	521
39	Electric field measurement in gas discharges using stark shifts of He I lines and their forbidden counterparts. Journal Physics D: Applied Physics, 2015, 48, 205201.	2.8	33
40	The physics and detection of nanodust in the solar system. Plasma Physics and Controlled Fusion, 2015, 57, 014015.	2.1	11
41	Interplanetary Nanodust Detection by the Solar Terrestrial Relations Observatory/WAVES Low Frequency Receiver. Solar Physics, 2013, 286, 549-559.	2.5	19
42	SOLAR WIND TURBULENT SPECTRUM AT PLASMA KINETIC SCALES. Astrophysical Journal, 2012, 760, 121.	4.5	156
43	ON SPECTRAL BREAKS IN THE POWER SPECTRA OF MAGNETIC FLUCTUATIONS IN FAST SOLAR WIND BETWEEN 0.3 AND 0.9 AU. Astrophysical Journal, 2012, 749, 102.	4.5	99
44	On the antenna calibration of space radio instruments using the galactic background: General formulas and application to STEREO/WAVES. Radio Science, 2011, 46, .	1.6	28
45	Measurements of stray antenna capacitance in the STEREO/WAVES instrument: Comparison of the measured voltage spectrum with an antenna electron shot noise model. Radio Science, 2010, 45, n/a-n/a.	1.6	11
46	Quasi-thermal noise in space plasma: â€œkappaâ€• distributions. Physics of Plasmas, 2009, 16, .	1.9	54
47	Dust Detection by the Wave Instrument on STEREO: Nanoparticles Picked up by the Solar Wind?. Solar Physics, 2009, 256, 463-474.	2.5	129
48	Solar wind electron temperature and density measurements on the Solar Orbiter with thermal noise spectroscopy. Advances in Space Research, 2005, 36, 1471-1473.	2.6	10
49	Solar wind electron density and temperature over solar cycle 23: Thermal noise measurements on Wind. Advances in Space Research, 2005, 35, 2141-2146.	2.6	36
50	Radial evolution of the electron distribution functions in the fast solar wind between 0.3 and 1.5 AU. Journal of Geophysical Research, 2005, 110, .	3.3	308
51	Wind-Ulysses in-situ thermal noise measurements of solar wind electron density and core temperature at solar maximum and minimum. Advances in Space Research, 2003, 32, 491-496.	2.6	15
52	Determination of accurate solar wind electron parameters using particle detectors and radio wave receivers. Journal of Geophysical Research, 2001, 106, 21701-21717.	3.3	46
53	Solar wind density intercomparisons on the WIND spacecraft using WAVES and SWE experiments. Geophysical Research Letters, 1998, 25, 1265-1268.	4.0	28
54	Solar wind electron parameters from quasi-thermal noise spectroscopy and comparison with other measurements on Ulysses. Journal of Geophysical Research, 1995, 100, 19881.	3.3	40