

# Stefaan Poedts

## List of Publications by Year in descending order

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Version: 2024-02-01

468  
papers

8,619  
citations

76031

42  
h-index

134545

62  
g-index

516  
all docs

516  
docs citations

516  
times ranked

3720  
citing authors

#	ARTICLE	IF	CITATIONS
1	Self-similarity for astrophysical MHD transients revisited. <i>Advances in Space Research</i> , 2022, 69, 474-482.	1.2	0
2	Study of the propagation, in situ signatures, and geoeffectiveness of shear-induced coronal mass ejections in different solar winds. <i>Astronomy and Astrophysics</i> , 2022, 658, A56.	2.1	5
3	Temperature Anisotropy Instabilities Stimulated by the Solar Wind Suprathermal Populations. <i>Frontiers in Astronomy and Space Sciences</i> , 2022, 8, .	1.1	12
4	Propagation of the Alfvén Wave and Induced Perturbations in the Vicinity of a 3D Proper Magnetic Null Point. <i>Astrophysical Journal</i> , 2022, 924, 126.	1.6	1
5	Comparing the Heliospheric Cataloging, Analysis, and Techniques Service (HELCASTS) Manual and Automatic Catalogues of Coronal Mass Ejections Using Solar Terrestrial Relations Observatory/Heliospheric Imager (STEREO/HI) Data. <i>Solar Physics</i> , 2022, 297, 1.	1.0	3
6	Toward a Realistic Evaluation of Transport Coefficients in Non-equilibrium Space Plasmas. <i>Astrophysical Journal</i> , 2022, 927, 159.	1.6	2
7	Categorization model of moving small-scale intensity enhancements in solar active regions. <i>Astronomy and Astrophysics</i> , 2022, 662, A30.	2.1	1
8	How the area of solar coronal holes affects the properties of high-speed solar wind streams near Earth: An analytical model. <i>Astronomy and Astrophysics</i> , 2022, 659, A190.	2.1	10
9	ICARUS, a new inner heliospheric model with a flexible grid. <i>Astronomy and Astrophysics</i> , 2022, 662, A50.	2.1	10
10	Dynamic Time Warping as a Means of Assessing Solar Wind Time Series. <i>Astrophysical Journal</i> , 2022, 927, 187.	1.6	10
11	Effects of mesh topology on MHD solution features in coronal simulations. <i>Journal of Plasma Physics</i> , 2022, 88, .	0.7	9
12	Interaction of coronal mass ejections and the solar wind. <i>Astronomy and Astrophysics</i> , 2022, 663, A32.	2.1	2
13	Analysis of Voyager 1 and Voyager 2 in situ CME observations. <i>Advances in Space Research</i> , 2022, 70, 1684-1719.	1.2	2
14	r-adaptive algorithms for supersonic flows with high-order Flux Reconstruction methods. <i>Computer Physics Communications</i> , 2022, 276, 108373.	3.0	1
15	Mixing the Solar Wind Proton and Electron Scales. Theory and 2D-PIC Simulations of Firehose Instability. <i>Astrophysical Journal</i> , 2022, 930, 158.	1.6	4
16	Implementation and validation of the FRi3D flux rope model in EUHFORIA. <i>Advances in Space Research</i> , 2022, 70, 1641-1662.	1.2	17
17	Over-expansion of coronal mass ejections modelled using 3D MHD EUHFORIA simulations. <i>Advances in Space Research</i> , 2022, 70, 1663-1683.	1.2	8
18	Case study on the identification and classification of small-scale flow patterns in flaring active region. <i>Astronomy and Astrophysics</i> , 2021, 645, A52.	2.1	2

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19	r-adaptive Mesh Algorithms with High-order Flux Reconstruction Scheme for High-speed Flows. , 2021, , ,		1
20	Quo vadis, European Space Weather community?. Journal of Space Weather and Space Climate, 2021, 11, 26.	1.1	1
21	A Self-consistent Simulation of Proton Acceleration and Transport Near a High-speed Solar Wind Stream. Astrophysical Journal Letters, 2021, 908, L26.	3.0	20
22	Over-expansion of a coronal mass ejection generates sub-Alfvénic plasma conditions in the solar wind at Earth. Astronomy and Astrophysics, 2021, 647, A149.	2.1	4
23	Implementing the MULTI-VP coronal model in EUHFORIA: Test case results and comparisons with the WSA coronal model. Astronomy and Astrophysics, 2021, 648, A35.	2.1	21
24	Two-fluid Modeling of Acoustic Wave Propagation in Gravitationally Stratified Isothermal Media. Astrophysical Journal, 2021, 911, 119.	1.6	18
25	Exploring the radial evolution of interplanetary coronal mass ejections using EUHFORIA. Astronomy and Astrophysics, 2021, 649, A69.	2.1	15
26	Evolution of Interplanetary Coronal Mass Ejection Complexity: A Numerical Study through a Swarm of Simulated Spacecraft. Astrophysical Journal Letters, 2021, 916, L15.	3.0	14
27	3D numerical simulations of propagating two-fluid, torsional Alfvén waves and heating of a partially ionized solar chromosphere. Monthly Notices of the Royal Astronomical Society, 2021, 506, 989-996.	1.6	5
28	Analysis of Deformation and Erosion during CME Evolution. Geosciences (Switzerland), 2021, 11, 314.	1.0	4
29	Generation of interplanetary type II radio emission. Astronomy and Astrophysics, 2021, 654, A64.	2.1	16
30	Evidence for local particle acceleration in the first recurrent galactic cosmic ray depression observed by Solar Orbiter. Astronomy and Astrophysics, 2021, 656, L10.	2.1	2
31	Modelling a multi-spacecraft coronal mass ejection encounter with EUHFORIA. Astronomy and Astrophysics, 2021, 652, A27.	2.1	20
32	Spatial variation in the periods of ion and neutral waves in a solar magnetic arcade. Astronomy and Astrophysics, 2021, 652, A88.	2.1	4
33	Transport coefficients enhanced by suprathermal particles in nonequilibrium heliospheric plasmas. Astronomy and Astrophysics, 2021, 654, A99.	2.1	5
34	Chromospheric heating and generation of plasma outflows by impulsively generated two-fluid magnetoacoustic waves. Astronomy and Astrophysics, 2021, 652, A124.	2.1	9
35	Eigenspectra of solar active region long-period oscillations. Astronomy and Astrophysics, 2021, 653, A39.	2.1	1
36	Toward a general quasi-linear approach for the instabilities of bi-Kappa plasmas. Whistler instability. Plasma Physics and Controlled Fusion, 2021, 63, 025011.	0.9	13

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37	Editorial: Data-Driven MHD - Novel Applications to the Solar Atmosphere. <i>Frontiers in Astronomy and Space Sciences</i> , 2021, 8, .	1.1	0
38	Plasma Flow Generation due to the Nonlinear Alfvén Wave Propagation around a 3D Magnetic Null Point. <i>Astrophysical Journal</i> , 2021, 922, 123.	1.6	2
39	Proton-Alpha Drift Instability of Electromagnetic Ion-Cyclotron Modes: Quasilinear Development. <i>Physics</i> , 2021, 3, 1175-1189.	0.5	2
40	Advanced Interpretation of Waves and Instabilities in Space Plasmas. <i>Astrophysics and Space Science Library</i> , 2021, , 185-218.	1.0	2
41	The impact of coronal hole characteristics and solar cycle activity in reconstructing coronal holes with EUHFORIA. <i>Journal of Physics: Conference Series</i> , 2020, 1548, 012004.	0.3	3
42	A new class of discontinuous solar wind solutions. <i>Monthly Notices of the Royal Astronomical Society</i> , 2020, 496, 1023-1034.	1.6	4
43	Thermal conduction effects on formation of chromospheric solar tadpole-like jets. <i>Monthly Notices of the Royal Astronomical Society</i> , 2020, 500, 3329-3334.	1.6	3
44	How Alfvén waves induce compressive flows in the neighborhood of a 2.5D magnetic null-point. <i>Scientific Reports</i> , 2020, 10, 15603.	1.6	9
45	Characteristics of solar wind suprathermal halo electrons. <i>Astronomy and Astrophysics</i> , 2020, 642, A130.	2.1	14
46	Fire-hose instability of inhomogeneous plasma flows with heat fluxes. <i>Physics of Plasmas</i> , 2020, 27, 112901.	0.7	3
47	Improving Predictions of High-Latitude Coronal Mass Ejections Throughout the Heliosphere. <i>Space Weather</i> , 2020, 18, e2019SW002246.	1.3	5
48	Electromagnetic instabilities of low-beta alpha/proton beams in space plasmas. <i>Astrophysics and Space Science</i> , 2020, 365, 1.	0.5	2
49	Determination of the solar rotation parameters via orthogonal polynomials. <i>Advances in Space Research</i> , 2020, 65, 1843-1851.	1.2	2
50	Solar Flare Prediction Using Magnetic Field Diagnostics above the Photosphere. <i>Astrophysical Journal</i> , 2020, 896, 119.	1.6	20
51	On the Dependency between the Peak Velocity of High-speed Solar Wind Streams near Earth and the Area of Their Solar Source Coronal Holes. <i>Astrophysical Journal Letters</i> , 2020, 897, L17.	3.0	13
52	Numerical simulations of the lower solar atmosphere heating by two-fluid nonlinear Alfvén waves. <i>Astronomy and Astrophysics</i> , 2020, 639, A45.	2.1	11
53	CME-CME Interactions as Sources of CME Geoeffectiveness: The Formation of the Complex Ejecta and Intense Geomagnetic Storm in 2017 Early September. <i>Astrophysical Journal, Supplement Series</i> , 2020, 247, 21.	3.0	78
54	The effect of drifts on the decay phase of SEP events. <i>Astronomy and Astrophysics</i> , 2020, 634, A82.	2.1	15

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55	The Virtual Space Weather Modelling Centre. <i>Journal of Space Weather and Space Climate</i> , 2020, 10, 14.	1.1	11
56	Low Geoeffectiveness of Fast Halo CMEs Related to the 12 X-Class Flares in 2002. <i>Journal of Geophysical Research: Space Physics</i> , 2020, 125, e2019JA027529.	0.8	11
57	Using radio triangulation to understand the origin of two subsequent type II radio bursts. <i>Astronomy and Astrophysics</i> , 2020, 639, A56.	2.1	19
58	Numerical simulations of shear-induced consecutive coronal mass ejections. <i>Astronomy and Astrophysics</i> , 2020, 637, A77.	2.1	6
59	Electromagnetic Ion-Ion Instabilities in Space Plasmas: Effects of Suprathermal Populations. <i>Astrophysical Journal</i> , 2020, 899, 20.	1.6	11
60	Alternative High-plasma Beta Regimes of Electron Heat-flux Instabilities in the Solar Wind. <i>Astrophysical Journal Letters</i> , 2020, 900, L25.	3.0	36
61	Twisted waves in symmetric and asymmetric bi-ion kappa-distributed plasmas. <i>Physics of Plasmas</i> , 2020, 27, .	0.7	6
62	EUropean Heliospheric FORecasting Information Asset 2.0. <i>Journal of Space Weather and Space Climate</i> , 2020, 10, 57.	1.1	21
63	Plasmoids and Resulting Blobs due to the Interaction of Magnetoacoustic Waves with a 2.5D Magnetic Null Point. <i>Astrophysical Journal</i> , 2020, 902, 11.	1.6	6
64	Domain of Influence Analysis: Implications for Data Assimilation in Space Weather Forecasting. <i>Frontiers in Astronomy and Space Sciences</i> , 2020, 7, .	1.1	3
65	Slurm: Fluid particle-in-cell code for plasma modeling. <i>Computer Physics Communications</i> , 2019, 235, 16-24.	3.0	7
66	The evolution of coronal mass ejections in the inner heliosphere: Implementing the spheromak model with EUHFORIA. <i>Astronomy and Astrophysics</i> , 2019, 627, A111.	2.1	59
67	Observation-based modelling of magnetised coronal mass ejections with EUHFORIA. <i>Astronomy and Astrophysics</i> , 2019, 626, A122.	2.1	72
68	Multipoint Observations of the June 2012 Interacting Interplanetary Flux Ropes. <i>Frontiers in Astronomy and Space Sciences</i> , 2019, 6, .	1.1	29
69	Whistler instability stimulated by the suprathermal electrons present in space plasmas. <i>Astrophysics and Space Science</i> , 2019, 364, 1.	0.5	21
70	Evolution of Coronal Mass Ejection Properties in the Inner Heliosphere: Prediction for the Solar Orbiter and Parker Solar Probe. <i>Astrophysical Journal</i> , 2019, 884, 179.	1.6	9
71	Particle-in-cell Simulations of the Whistler Heat-flux Instability in Solar Wind Conditions. <i>Astrophysical Journal Letters</i> , 2019, 882, L8.	3.0	21
72	Quasilinear approach of the cumulative whistler instability in fast solar wind: Constraints of electron temperature anisotropy. <i>Astronomy and Astrophysics</i> , 2019, 627, A76.	2.1	16

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73	Elements of plasma physics. , 2019, , 27-65.		6
74	â€˜Derivationâ€™ of the macroscopic equations. , 2019, , 66-102.		0
75	The MHD model. , 2019, , 105-146.		0
76	Waves and characteristics. , 2019, , 147-180.		0
77	Spectral theory. , 2019, , 181-230.		0
78	Waves and instabilities of inhomogeneous plasmas. , 2019, , 233-291.		0
79	Magnetic structures and dynamics of the solar system. , 2019, , 292-324.		0
80	Cylindrical plasmas. , 2019, , 325-371.		0
81	Initial value problem and wave damping. , 2019, , 372-398.		0
82	Resonant absorption and wave heating. , 2019, , 399-434.		0
83	Waves and instabilities of stationary plasmas. , 2019, , 437-472.		0
84	Shear flow and rotation. , 2019, , 473-524.		0
85	Resistive plasma dynamics. , 2019, , 525-568.		0
86	Computational linear MHD. , 2019, , 569-614.		0
87	Static equilibrium of toroidal plasmas. , 2019, , 617-666.		0
88	Linear dynamics of static toroidal plasmas. , 2019, , 667-706.		0
89	Linear dynamics of toroidal plasmas with flow. , 2019, , 707-746.		0
90	Turbulence in incompressible magnetoâ€“fluids. , 2019, , 749-779.		0

#	ARTICLE	IF	CITATIONS
91	Computational nonlinear MHD. , 2019, , 780-836.		0
92	Transonic MHD flows and shocks. , 2019, , 837-878.		0
93	Ideal MHD in special relativity. , 2019, , 879-918.		0
94	Multipoint Study of Successive Coronal Mass Ejections Driving Moderate Disturbances at 1 au. Astrophysical Journal, 2019, 878, 37.	1.6	21
95	Comparative analysis of solar radio bursts before and during CME propagation. Astronomy and Astrophysics, 2019, 625, A63.	2.1	2
96	Quasi-linear approach of the whistler heat-flux instability in the solar wind. Monthly Notices of the Royal Astronomical Society, 2019, 486, 4498-4507.	1.6	27
97	Plasma heating by magnetoacoustic wave propagation in the vicinity of a 2.5D magnetic null-point. Astronomy and Astrophysics, 2019, 623, A81.	2.1	8
98	Particle-in-cell Simulations of Firehose Instability Driven by Bi-Kappa Electrons. Astrophysical Journal Letters, 2019, 873, L20.	3.0	30
99	The Interplay of the Solar Wind Core and Suprathermal Electrons: A Quasilinear Approach for Firehose Instability. Astrophysical Journal, 2019, 871, 237.	1.6	18
100	Interplanetary spread of solar energetic protons near a high-speed solar wind stream. Astronomy and Astrophysics, 2019, 624, A47.	2.1	14
101	Modelling three-dimensional transport of solar energetic protons in a corotating interaction region generated with EUHFORIA. Astronomy and Astrophysics, 2019, 622, A28.	2.1	33
102	A GPU-enabled implicit Finite Volume solver for the ideal two-fluid plasma model on unstructured grids. Computer Physics Communications, 2019, 239, 16-32.	3.0	12
103	Reconstructing Coronal Hole Areas With EUHFORIA and Adapted WSA Model: Optimizing the Model Parameters. Journal of Geophysical Research: Space Physics, 2019, 124, 8280-8297.	0.8	29
104	Spreading protons in the heliosphere: a note on cross-field diffusion effects. Journal of Physics: Conference Series, 2019, 1332, 012018.	0.3	3
105	Assessing the Performance of EUHFORIA Modeling the Background Solar Wind. Solar Physics, 2019, 294, 170.	1.0	29
106	Effect of the solar wind density on the evolution of normal and inverse coronal mass ejections. Astronomy and Astrophysics, 2019, 632, A89.	2.1	14
107	Forecasting space weather with EUHFORIA in the virtual space weather modeling centre. Plasma Physics and Controlled Fusion, 2019, 61, 014011.	0.9	3
108	The Magnetic Morphology of Magnetic Clouds: Multi-spacecraft Investigation of Twisted and Writhed Coronal Mass Ejections. Astrophysical Journal, 2019, 870, 100.	1.6	24

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109	Firehose instabilities triggered by the solar wind suprathermal electrons. Monthly Notices of the Royal Astronomical Society, 2019, 483, 5642-5648.	1.6	33
110	Temperature anisotropy instabilities stimulated by the interplay of the core and halo electrons in space plasmas. Physics of Plasmas, 2018, 25, .	0.7	22
111	Stimulated Mirror Instability From the Interplay of Anisotropic Protons and Electrons, and their Suprathermal Populations. Journal of Geophysical Research: Space Physics, 2018, 123, 1754-1766.	0.8	15
112	Halo coronal mass ejections during Solar Cycle 24: reconstruction of the global scenario and geoeffectiveness. Journal of Space Weather and Space Climate, 2018, 8, A09.	1.1	22
113	Evidence for Precursors of the Coronal Hole Jets in Solar Bright Points. Astrophysical Journal Letters, 2018, 855, L21.	3.0	9
114	On the effects of suprathermal populations in dusty plasmas: The case of dust-ion-acoustic waves. Planetary and Space Science, 2018, 156, 130-138.	0.9	17
115	Quasi-electrostatic twisted waves in Lorentzian dusty plasmas. Planetary and Space Science, 2018, 156, 139-146.	0.9	9
116	Ultrahigh-resolution model of a breakout CME embedded in the solar wind. Astronomy and Astrophysics, 2018, 620, A57.	2.1	20
117	Suprathermal Spontaneous Emissions in $\hat{v}$ -distributed Plasmas. Astrophysical Journal Letters, 2018, 868, L25.	3.0	11
118	A Versatile Numerical Method for the Multi-Fluid Plasma Model in Partially- and Fully-Ionized Plasmas. Journal of Physics: Conference Series, 2018, 1031, 012015.	0.3	6
119	EUHFORIA: European heliospheric forecasting information asset. Journal of Space Weather and Space Climate, 2018, 8, A35.	1.1	235
120	On the Observational Properties of the Decameter Striae. , 2018, , .		1
121	Clarifying the solar wind heat flux instabilities. Monthly Notices of the Royal Astronomical Society, 2018, 480, 310-319.	1.6	49
122	Generation and evolution of anisotropic turbulence and related energy transfer in drifting proton-alpha plasmas. Astronomy and Astrophysics, 2018, 613, A10.	2.1	3
123	MHD Kelvin-Helmholtz instability in the anisotropic solar wind plasma. Physics of Plasmas, 2018, 25, .	0.7	9
124	Interferometric Observations of the Quiet Sun at 20 and 25 MHz in May 2014. Solar Physics, 2018, 293, 1.	1.0	3
125	Association between Tornadoes and Instability of Hosting Prominences. Astrophysical Journal, 2018, 861, 112.	1.6	4
126	Effect of the Initial Shape of Coronal Mass Ejections on 3D MHD Simulations and Geoeffectiveness Predictions. Space Weather, 2018, 16, 754-771.	1.3	46



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127	Fully-implicit finite volume method for the ideal two-fluid plasma model. <i>Computer Physics Communications</i> , 2018, 231, 31-44.	3.0	23
128	Beaming electromagnetic (or heat-flux) instabilities from the interplay with the electron temperature anisotropies. <i>Physics of Plasmas</i> , 2018, 25, .	0.7	31
129	How is the Jovian main auroral emission affected by the solar wind?. <i>Journal of Geophysical Research: Space Physics</i> , 2017, 122, 1960-1978.	0.8	39
130	Long-period oscillations of active region patterns: least-squares mapping on second-order curves. <i>Astronomy and Astrophysics</i> , 2017, 597, A93.	2.1	6
131	Multi-fluid Modeling of Magnetosonic Wave Propagation in the Solar Chromosphere: Effects of Impact Ionization and Radiative Recombination. <i>Astrophysical Journal</i> , 2017, 836, 197.	1.6	37
132	Effect of Radiation on Chromospheric Magnetic Reconnection: Reactive and Collisional Multi-fluid Simulations. <i>Astrophysical Journal</i> , 2017, 842, 117.	1.6	29
133	Dual Maxwellian-Kappa modeling of the solar wind electrons: new clues on the temperature of Kappa populations. <i>Astronomy and Astrophysics</i> , 2017, 602, A44.	2.1	59
134	Quasi-oscillatory dynamics observed in ascending phase of the flare on March 6, 2012. <i>Astronomy and Astrophysics</i> , 2017, 600, A67.	2.1	3
135	Kinetic study of electrostatic twisted waves instability in nonthermal dusty plasmas. <i>Physics of Plasmas</i> , 2017, 24, 033701.	0.7	19
136	Ion acoustic wave damping in a non-Maxwellian bi-ion electron plasma in the presence of dust. <i>Physics of Plasmas</i> , 2017, 24, 093708.	0.7	5
137	Solar signatures and eruption mechanism of the August 14, 2010 coronal mass ejection (CME). <i>Journal of Space Weather and Space Climate</i> , 2017, 7, A7.	1.1	12
138	Statistical properties of coronal hole rotation rates: Are they linked to the solar interior?. <i>Astronomy and Astrophysics</i> , 2017, 603, A134.	2.1	24
139	Solar Illumination Control of the Polar Wind. <i>Journal of Geophysical Research: Space Physics</i> , 2017, 122, 11,468-11,480.	0.8	6
140	Shaping the solar wind temperature anisotropy by the interplay of electron and proton instabilities. <i>Astrophysics and Space Science</i> , 2017, 362, 1.	0.5	25
141	A new Particle-in-Cell method for modeling magnetized fluids. <i>Computer Physics Communications</i> , 2017, 210, 79-91.	3.0	5
142	Firehose constraints of the bi-Kappa-distributed electrons: a zero-order approach for the suprathermal electrons in the solar wind. <i>Monthly Notices of the Royal Astronomical Society</i> , 2017, 464, 564-571.	1.6	39
143	The decameter spikes as a tool for the coronal plasma parameters determination. , 2017, , .		0
144	On the Evolution of Pre-Flare Patterns of a 3-Dimensional Model of AR 11429. <i>Proceedings of the International Astronomical Union</i> , 2017, 13, 294-297.	0.0	1

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145	The Effect of Limited Sample Sizes on the Accuracy of the Estimated Scaling Parameter for Power-Law-Distributed Solar Data. <i>Solar Physics</i> , 2016, 291, 1561-1576.	1.0	13
146	Computational Multi-Fluid Model for Partially Ionized and Magnetized Plasma. , 2016, , .		0
147	Self-consistent evolution models for slow CMEs up to 1 AU. <i>AIP Conference Proceedings</i> , 2016, , .	0.3	2
148	MIXING THE SOLAR WIND PROTON AND ELECTRON SCALES: EFFECTS OF ELECTRON TEMPERATURE ANISOTROPY ON THE OBLIQUE PROTON FIREHOSE INSTABILITY. <i>Astrophysical Journal</i> , 2016, 832, 64.	1.6	18
149	RIEGER-TYPE PERIODICITY DURING SOLAR CYCLES 14-24: ESTIMATION OF DYNAMO MAGNETIC FIELD STRENGTH IN THE SOLAR INTERIOR. <i>Astrophysical Journal</i> , 2016, 826, 55.	1.6	45
150	The interplay of the solar wind proton core and halo populations: EMIC instability. <i>Journal of Geophysical Research: Space Physics</i> , 2016, 121, 6031-6047.	0.8	27
151	A fully-implicit finite-volume method for multi-fluid reactive and collisional magnetized plasmas on unstructured meshes. <i>Journal of Computational Physics</i> , 2016, 318, 252-276.	1.9	33
152	The Electron Temperature and Anisotropy in the Solar Wind. Comparison of the Core and Halo Populations. <i>Solar Physics</i> , 2016, 291, 2165-2179.	1.0	81
153	Evolution of relative drifts and temperature anisotropies in expanding collisionless plasmas-1.5D vs. 2.5D hybrid simulations. <i>AIP Conference Proceedings</i> , 2016, , .	0.3	1
154	Preferential heating of oxygen 5+ ions by finite-amplitude oblique Alfvén waves. <i>AIP Conference Proceedings</i> , 2016, , .	0.3	0
155	The Storm of Decameter Spikes During the Event of 14 June 2012. <i>Solar Physics</i> , 2016, 291, 211-228.	1.0	14
156	Effects of suprathermal electrons on the proton temperature anisotropy in space plasmas: Electromagnetic ion-cyclotron instability. <i>Astrophysics and Space Science</i> , 2016, 361, 1.	0.5	16
157	A small mission concept to the Sun-Earth Lagrangian L5 point for innovative solar, heliospheric and space weather science. <i>Journal of Atmospheric and Solar-Terrestrial Physics</i> , 2016, 146, 171-185.	0.6	39
158	SEP-EM: A tool for statistical modeling the solar energetic particle environment. <i>Space Weather</i> , 2015, 13, 406-426.	1.3	45
159	DYNAMICS OF A SOLAR PROMINENCE TORNADO OBSERVED BY SDO/AIA ON 2012 NOVEMBER 7-8. <i>Astrophysical Journal</i> , 2015, 810, 89.	1.6	10
160	DISSIPATION OF PARALLEL AND OBLIQUE ALFVÉN-CYCLOTRON WAVES-IMPLICATIONS FOR HEATING OF ALPHA PARTICLES IN THE SOLAR WIND. <i>Astrophysical Journal</i> , 2015, 814, 33.	1.6	15
161	Quasilinear saturation of the aperiodic ordinary mode streaming instability. <i>Physics of Plasmas</i> , 2015, 22, .	0.7	12
162	Modelling large solar proton events with the shock-and-particle model. <i>Journal of Space Weather and Space Climate</i> , 2015, 5, A12.	1.1	24

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163	Fine and Superfine Structure of the Decameter–Hectometer Type II Burst on 7 June 2011. <i>Solar Physics</i> , 2015, 290, 2031-2042.	1.0	15
164	Simulations of the Earth's magnetosphere embedded in sub-Alfvénic solar wind on 24 and 25 May 2002. <i>Journal of Geophysical Research: Space Physics</i> , 2015, 120, 8517-8528.	0.8	15
165	Coronal Heating & Solar Wind Acceleration by Drift Waves. <i>Journal of Physics: Conference Series</i> , 2015, 642, 012021.	0.3	0
166	Destabilizing effects of the suprathermal populations in the solar wind. <i>Astronomy and Astrophysics</i> , 2015, 582, A124.	2.1	76
167	Formation and evolution of coronal rain observed by SDO/AIA on February 22, 2012. <i>Astronomy and Astrophysics</i> , 2015, 577, A136.	2.1	24
168	Numerical Simulations of a Flux Rope Ejection. <i>Journal of Astrophysics and Astronomy</i> , 2015, 36, 123-155.	0.4	4
169	Towards realistic parametrization of the kinetic anisotropy and the resulting instabilities in space plasmas. Electromagnetic electron–cyclotron instability in the solar wind. <i>Monthly Notices of the Royal Astronomical Society</i> , 2015, 446, 3022-3033.	1.6	36
170	Constraints for the aperiodic O-mode streaming instability. <i>Physics of Plasmas</i> , 2015, 22, 012102.	0.7	3
171	Electrostatic ion perturbations in kinematically complex shear flows. <i>New Journal of Physics</i> , 2015, 17, 043019.	1.2	1
172	EFFECTS OF ELECTRONS ON THE ELECTROMAGNETIC ION CYCLOTRON INSTABILITY: SOLAR WIND IMPLICATIONS. <i>Astrophysical Journal</i> , 2015, 814, 34.	1.6	22
173	Decameter U-burst Harmonic Pair from a High Loop. <i>Solar Physics</i> , 2015, 290, 181-192.	1.0	13
174	Simulating AIA observations of a flux rope ejection. <i>Astronomy and Astrophysics</i> , 2014, 568, A120.	2.1	24
175	Ion acoustic mode in permeating plasmas. <i>Journal of Physics: Conference Series</i> , 2014, 511, 012010.	0.3	3
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