Robert ErdÃ©lyi

List of Publications by Year
in descending order

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318 papers	9,334 citations	36303 51 h-index	60623 81 g-index
323 all docs	323 docs citations	323 times ranked	2668 citing authors

#	Article	IF	Citations
1	The Solar Activity Monitor Network â€“ SAMNet. Journal of Space Weather and Space Climate, 2022, 12, 2.	3.3	16
2	The high-energy Sun - probing the origins of particle acceleration on our nearest star. Experimental Astronomy, 2022, 54, 335-360.	3.7	3
3	Blobs in a Solar EUV Jet. Frontiers in Astronomy and Space Sciences, 2022, 8, .	2.8	5
4	Rational solutions of multiâ€component nonlinear SchrÃ¶dinger equation and complex modified KdV equation. Mathematical Methods in the Applied Sciences, 2022, 45, 5086-5110.	2.3	6
5	On the Differences in the Periodic Behavior of Magnetic Helicity Flux in Flaring Active Regions with and without X-class Events. Astrophysical Journal, 2022, 925, 129.	4.5	6
6	Polymeric jets throw light on the origin and nature of the forest of solar spicules. Nature Physics, 2022, 18, 595-600.	16.7	6
7	Twin Extreme Ultraviolet Waves in the Solar Corona. Astrophysical Journal Letters, 2022, 929, L4.	8.3	3
8	Magnetohydrodynamic Simulations of Spicular Jet Propagation Applied to Lower Solar Atmosphere Model. II. Case Studies with Tilted Jets. Astrophysical Journal, 2022, 929, 88.	4.5	0
9	Magnetic Helicity Flux Oscillations in the Atmospheres of Flaring and Nonflaring Active Regions. Astrophysical Journal, 2022, 933, 66.	4.5	1
10	Significance of Cooling Effect on Comprehension of Kink Oscillations of Coronal Loops. Frontiers in Astronomy and Space Sciences, 2021, 7, .	2.8	4
11	Journal summary from Editor in Chief. AIMS Geosciences, 2021, 7, 127-128.	1.0	0
12	Magnetoacoustic Waves in a Magnetic Slab Embedded in an Asymmetric Magnetic Environment. III. Applications to the Solar Atmosphere. Astrophysical Journal, 2021, 906, 122.	4.5	3
13	Reliability of AI-generated magnetograms from only EUV images. Nature Astronomy, 2021, 5, 108-110.	10.1	13
14	The Plasma Universe: A Coherent Science Theme for Voyage 2050. Frontiers in Astronomy and Space Sciences, 2021, 8, .	2.8	4
15	Critical Science Plan for the Daniel K. Inouye Solar Telescope (DKIST). Solar Physics, 2021, 296, 1.	2.5	65
16	Propagation of Torsional AlfvÃ©n Pulses in Zero-beta Flux Tubes. Astrophysical Journal, 2021, 911, 39.	4.5	8
17	Could Switchbacks Originate in the Lower Solar Atmosphere? I. Formation Mechanisms of Switchbacks. Astrophysical Journal, 2021, 911, 75.	4.5	19
18	Torsional oscillations within a magnetic pore in the solar photosphere. Nature Astronomy, 2021, 5, 691-696.	10.1	16

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19	Flute oscillations of cooling coronal loops with variable cross-section. Astronomy and Astrophysics, 2021, 649, A36.	5.1	1
20	Magnetohydrodynamic Simulations of Spicular Jet Propagation Applied to Lower Solar Atmosphere Model. Astrophysical Journal, 2021, 913, 19.	4.5	9
21	Could Switchbacks Originate in the Lower Solar Atmosphere? II. Propagation of Switchbacks in the Solar Corona. Astrophysical Journal, 2021, 914, 8.	4.5	9
22	Testing and Validating Two Morphological Flare Predictors by Logistic Regression Machine Learning. Frontiers in Astronomy and Space Sciences, 2021, 7, .	2.8	5
23	Editorial: Data-Driven MHD - Novel Applications to the Solar Atmosphere. Frontiers in Astronomy and Space Sciences, 2021, 8, .	2.8	0
24	Reflection and Evolution of Torsional AlfvÃ©n Pulses in Zero-beta Flux Tubes. Astrophysical Journal, 2021, 922, 118.	4.5	4
25	Comparative case study of two methods to assess the eruptive potential of selected active regions. Research in Astronomy and Astrophysics, 2021, 21, 313.	1.7	2
26	Wave amplitude modulation in fan loops as observed by AIA/SDO. Astronomy and Astrophysics, 2020, 638, A6.	5.1	8
27	On the partial eruption of a bifurcated solar filament structure. Monthly Notices of the Royal Astronomical Society, 2020, 500, 684-695.	4.4	6
28	Formation of Two Homologous Transequatorial Loops. Solar Physics, 2020, 295, 1.	2.5	1
29	Magnetoacoustic Waves in a Magnetic Slab Embedded in an Asymmetric Magnetic Environment. II. Thin and Wide Slabs, Hot and Cold Plasmas. Astrophysical Journal, 2020, 894, 123.	4.5	5
30	Solar Flare Prediction Using Magnetic Field Diagnostics above the Photosphere. Astrophysical Journal, 2020, 896, 119.	4.5	20
31	Magnetic Rayleighâ€“Taylor instability at a contact discontinuity with an oblique magnetic field. Astronomy and Astrophysics, 2020, 634, A96.	5.1	2
32	Standing MHD Waves in a Magnetic Slab Embedded in an Asymmetric Plasma Environment: Slow Surface Waves. Astrophysical Journal, 2020, 890, 109.	4.5	5
33	Standing MHD Waves in a Magnetic Slab Embedded in an Asymmetric Magnetic Plasma Environment: Surface Waves. Astrophysical Journal, 2020, 898, 19.	4.5	3
34	Signatures of Cross-sectional Width Modulation in Solar Spicules due to Field-aligned Flows. Astrophysical Journal, 2020, 905, 72.	4.5	4
35	Formation of Chromospheric Spicules in Magnetic Bright Points: An Analytical Approach Using Cartesian Slab Geometry. Astrophysical Journal, 2020, 905, 168.	4.5	6
36	Differences in Periodic Magnetic Helicity Injection Behavior between Flaring and Non-flaring Active Regions: Case Study. Astrophysical Journal Letters, 2020, 897, L23.	8.3	10

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37	Degeneracy in brightâ€“dark solitons of the Derivative Nonlinear SchrÃ¶dinger equation. Applied Mathematics Letters, 2019, 87, 64-72.	2.7	9
38	CME Arrival Time Prediction Using Convolutional Neural Network. Astrophysical Journal, 2019, 881, 15.	4.5	21
39	Evidence of ubiquitous AlfvÃ©n pulses transporting energy from the photosphere to the upper chromosphere. Nature Communications, 2019, 10, 3504.	12.8	48
40	The Effect of Cooling on Driven Kink Oscillations of Coronal Loops. Frontiers in Astronomy and Space Sciences, 2019, 6, .	2.8	5
41	How Many Twists Do Solar Coronal Jets Release?. Frontiers in Astronomy and Space Sciences, 2019, 6, .	2.8	14
42	Magnetohydrodynamic Waves in Multi-Layered Asymmetric Waveguides: Solar Magneto-Seismology Theory and Application. Frontiers in Astronomy and Space Sciences, 2019, 6, .	2.8	9
43	Generation of solar spicules and subsequent atmospheric heating. Science, 2019, 366, 890-894.	12.6	102
44	Spatially Resolved Signatures of Bidirectional Flows Observed in Inverted-Y Shaped Jets. Astrophysical Journal, 2019, 883, 115.	4.5	8
45	Modelling 3D magnetic networks in a realistic solar atmosphere. Monthly Notices of the Royal Astronomical Society, 2019, 489, 28-35.	4.4	0
46	Investigation of pre-flare dynamics using the weighted horizontal magnetic gradient method: From small to major flare classes. Journal of Space Weather and Space Climate, 2019, 9, A6.	3.3	13
47	Automated Swirl Detection Algorithm (ASDA) and Its Application to Simulation and Observational Data. Astrophysical Journal, 2019, 872, 22.	4.5	16
48	Co-spatial velocity and magnetic swirls in the simulated solar photosphere. Astronomy and Astrophysics, 2019, 632, A97.	5.1	12
49	An Analytical Model of the Kelvinâ€“Helmholtz Instability of Transverse Coronal Loop Oscillations. Astrophysical Journal, 2019, 870, 108.	4.5	27
50	Applying the Weighted Horizontal Magnetic Gradient Method to a Simulated Flaring Active Region. Astrophysical Journal, 2018, 857, 103.	4.5	7
51	On Quasi-biennial Oscillations in Chromospheric Macrospicules and Their Potential Relation to the Global Solar Magnetic Field. Astrophysical Journal, 2018, 857, 113.	4.5	9
52	Magnetic Shocks and Substructures Excited by Torsional AlfvÃ©n Wave Interactions in Merging Expanding Flux Tubes. Astrophysical Journal, 2018, 857, 125.	4.5	19
53	Photospheric Observations of Surface and Body Modes in Solar Magnetic Pores. Astrophysical Journal, 2018, 857, 28.	4.5	63
54	Evolution of Complex 3D Motions in Spicules. Astrophysical Journal, 2018, 853, 61.	4.5	10

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55	Fundamental (f) oscillations in a magnetically coupled solar interior-atmosphere system â€“ An analytical approach. Advances in Space Research, 2018, 61, 759-776.	2.6	19
56	A New Tool for CME Arrival Time Prediction using Machine Learning Algorithms: CAT-PUMA. Astrophysical Journal, 2018, 855, 109.	4.5	50
57	Studies of Isolated and Non-isolated Photospheric Bright Points in an Active Region Observed by the New Vacuum Solar Telescope. Astrophysical Journal, 2018, 856, 17.	4.5	32
58	Period Increase and Amplitude Distribution of Kink Oscillation of Coronal Loop. Scientific Reports, 2018, 8, 4471.	3.3	28
59	An application of the weighted horizontal magnetic gradient to solar compact and eruptive events. Advances in Space Research, 2018, 61, 595-602.	2.6	4
60	Quasi-biennial oscillations in the cross-correlation of properties of macrospicules. Advances in Space Research, 2018, 61, 611-616.	2.6	8
61	Detailed analysis of dynamic evolution of three Active Regions at the photospheric level before flare and CME occurrence. Advances in Space Research, 2018, 61, 673-682.	2.6	6
62	MHD code using multi graphical processing units: SMAUG+. Advances in Space Research, 2018, 61, 683-690.	2.6	0
63	Solar atmosphere wave dynamics generated by solar global oscillating eigenmodes. Advances in Space Research, 2018, 61, 720-737.	2.6	4
64	Untwisting Jets Related to Magnetic Flux Cancellation. Astrophysical Journal, 2018, 852, 10.	4.5	12
65	Magneto-acoustic Waves in a Magnetic Slab Embedded in an Asymmetric Magnetic Environment: The Effects of Asymmetry. Astrophysical Journal, 2018, 853, 136.	4.5	19
66	Magnetoacoustic Waves and the Kelvinâ€“Helmholtz Instability in a Steady Asymmetric Slab. Solar Physics, 2018, 293, 86.	2.5	7
67	Resonant damping of kink oscillations of thin cooling and expanding coronal magnetic loops. Astronomy and Astrophysics, 2018, 619, A173.	5.1	10
68	Propagation of Leaky MHD Waves at Discontinuities with Tilted Magnetic Field. Solar Physics, 2018, 293, 139.	2.5	5
69	Propagating Spectropolarimetric Disturbances in a Large Sunspot. Astrophysical Journal, 2018, 869, 110.	4.5	22
70	Propagation of leaky surface waves on contact magnetohydrodynamic discontinuities in incompressible plasmas. Physics of Plasmas, 2018, 25, .	1.9	3
71	Propagation of Surface Magnetohydrodynamic Waves in Asymmetric Multilayered Plasma. Astrophysical Journal, 2018, 868, 128.	4.5	6
72	Buoyancy-driven Magnetohydrodynamic Waves in a Partially Ionized Plasma. Astrophysical Journal, 2018, 866, 114.	4.5	0

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73	Solar Magnetoseismology with Magnetoacoustic Surface Waves in Asymmetric Magnetic Slab Waveguides. Astrophysical Journal, 2018, 855, 90.	4.5	10
74	Observing Kelvinâ€“Helmholtz instability in solar blowout jet. Scientific Reports, 2018, 8, 8136.	3.3	36
75	Varying driver velocity fields in photospheric MHD wave simulations. Monthly Notices of the Royal Astronomical Society, 2018, 480, 2839-2845.	4.4	6
76	Dissipative instabilities in a partially ionised prominence plasma slab. Astronomy and Astrophysics, 2018, 610, A56.	5.1	6
77	Periodic Recurrence Patterns In X-Ray Solar Flare Appearances. Astrophysical Journal, 2018, 859, 169.	4.5	2
78	SYSTEMATIC VARIATIONS OF MACROSPICULE PROPERTIES OBSERVED BY SDO/AIA OVER HALF A DECADE. Astrophysical Journal, 2017, 835, 47.	4.5	15
79	The Atlanto-Pacific multidecade oscillation and its imprint on the global temperature record. Climate Dynamics, 2017, 48, 1883-1891.	3.8	6
80	Dynamic Behavior of Spicules Inferred from Perpendicular Velocity Components. Astrophysical Journal, 2017, 840, 96.	4.5	11
81	Polarized Kink Waves in Magnetic Elements: Evidence for Chromospheric Helical Waves. Astrophysical Journal, 2017, 840, 19.	4.5	25
82	Kink oscillations of cooling coronal loops with variable cross-section. Astronomy and Astrophysics, 2017, 602, A50.	5.1	15
83	An Inside Look at Sunspot Oscillations with Higher Azimuthal Wavenumbers. Astrophysical Journal, 2017, 842, 59.	4.5	38
84	Simple Statistical Probabilistic Forecasts of the Winter NAO. Weather and Forecasting, 2017, 32, 1585-1601.	1.4	34
85	Active Longitude and Coronal Mass Ejection Occurrences. Astrophysical Journal, 2017, 838, 18.	4.5	16
86	Sunspot Light Walls Suppressed by Nearby Brightenings. Astrophysical Journal Letters, 2017, 843, L15.	8.3	12
87	The Frequency-dependent Damping of Slow Magnetoacoustic Waves in a Sunspot Umbral Atmosphere. Astrophysical Journal, 2017, 847, 5.	4.5	22
88	IRIS Burst Spectra Co-spatial to a Quiet-Sun Ellerman-like Brightening. Astrophysical Journal, 2017, 845, 16.	4.5	29
89	Effects of Steady Flow on Magnetoacoustic-Gravity Surface Waves: I. The Weak Field Case. Solar Physics, 2017, 292, 26.	2.5	0
90	Magnetohydrodynamic Waves in an Asymmetric Magnetic Slab. Solar Physics, 2017, 292, 35.	2.5	20

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91	Drivers and potential predictability of summer time North Atlantic polar front jet variability. Climate Dynamics, 2017, 48, 3869-3887.	3.8	32
92	Predicting the Loci of Solar Eruptions. Proceedings of the International Astronomical Union, 2017, 13, 201-204.	0.0	0
93	Spatial Inhomogeneity in Solar Faculae. Proceedings of the International Astronomical Union, 2017, 13, 17-19.	0.0	0
94	On the Evolution of Pre-Flare Patterns of a 3-Dimensional Model of AR 11429. Proceedings of the International Astronomical Union, 2017, 13, 294-297.	0.0	1
95	SYSTEMATIC VARIATIONS OF MACROSPICULE PROPERTIES OBSERVED BYSDO/AIA OVER HALF A DECADE. Astrophysical Journal, 2017, 835, 47.	4.5	6
96	BUOYANCY-DRIVEN MAGNETOHYDRODYNAMIC WAVES. Astrophysical Journal, 2016, 828, 88.	4.5	22
97	Propagation of Long-Wavelength Nonlinear Slow Sausage Waves in Stratified Magnetic Flux Tubes. Solar Physics, 2016, 291, 1369-1384.	2.5	19
98	The European Solar Telescope (EST). Proceedings of SPIE, 2016, , .	0.8	17
99	ENHANCEMENT OF A SUNSPOT LIGHT WALL WITH EXTERNAL DISTURBANCES. Astrophysical Journal Letters, 2016, 833, L18.	8.3	25
100	ON THE MAGNETIC AND ENERGY CHARACTERISTICS OF RECURRENT HOMOLOGOUS JETS FROM AN EMERGING FLUX. Astrophysical Journal, 2016, 833, 150.	4.5	31
101	ON THE STATE OF A SOLAR ACTIVE REGION BEFORE FLARES AND CMEs. Astrophysical Journal, 2016, 823, 153.	4.5	14
102	Contacting ZnO Individual Crystal Facets by Direct Write Lithography. ACS Applied Materials & Interfaces, 2016, 8, 23891-23898.	8.0	2
103	On the relationship between magnetic cancellation and UV burst formation. Monthly Notices of the Royal Astronomical Society, 2016, 463, 2190-2201.	4.4	24
104	MAGNETO-ACOUSTIC WAVES IN A GRAVITATIONALLY STRATIFIED MAGNETIZED PLASMA: EIGEN-SOLUTIONS AND THEIR APPLICATIONS TO THE SOLAR ATMOSPHERE. Astrophysical Journal, 2016, 822, 116.	4.5	26
105	Linear MHD Wave Propagation in Time-Dependent Flux Tube. Solar Physics, 2016, 291, 175-185.	2.5	0
106	ON THE PROPERTIES OF SLOW MHD SAUSAGE WAVES WITHIN SMALL-SCALE PHOTOSPHERIC MAGNETIC STRUCTURES. Astrophysical Journal, 2016, 817, 44.	4.5	52
107	Three-dimensional finite-difference time-domain modelling of photonic crystal surface-emitting lasers. , 2016, , .		1
108	Photospheric logarithmic velocity spirals as MHD wave generation mechanisms. Monthly Notices of the Royal Astronomical Society, 2015, 449, 1679-1685.	4.4	21

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109	SEMICIRCULAR-LIKE SECONDARY FLARE RIBBONS ASSOCIATED WITH A FAILED ERUPTION. Astrophysical Journal, 2015, 809, 45.	4.5	7
110	3D FDTD modelling of photonic crystal surface emitting lasers. , 2015, , .		1
111	AXISYMMETRIC MODES IN MAGNETIC FLUX TUBES WITH INTERNAL AND EXTERNAL MAGNETIC TWIST. Astrophysical Journal, 2015, 810, 53.	4.5	17
112	ON FLARE PREDICTABILITY BASED ON SUNSPOT GROUP EVOLUTION. Astrophysical Journal Letters, 2015, 802, L21.	8.3	31
113	Observations and mode identification of sausage waves in a magnetic pore. Astronomy and Astrophysics, 2015, 579, A73.	5.1	47
114	Non-homogeneous Behaviour of the Spatial Distribution of Macrospicules. Journal of Astrophysics and Astronomy, 2015, 36, 103-109.	1.0	6
115	Enhanced pressure response in ZnO nanorods due to spontaneous polarization charge. , 2015, , .		2
116	Band-Gap Deformation Potential and Elasticity Limit of Semiconductor Free-Standing Nanorods Characterized in Situ by Scanning Electron Microscopeâ€“Cathodoluminescence Nanospectroscopy. ACS Nano, 2015, 9, 2989-3001.	14.6	22
117	MAGNETOHYDRODYNAMIC SEISMOLOGY OF A CORONAL LOOP SYSTEM BY THE FIRST TWO MODES OF STANDING KINK WAVES. Astrophysical Journal, 2015, 799, 151.	4.5	37
118	SMALL-SCALE STRUCTURING OF ELLERMAN BOMBS AT THE SOLAR LIMB. Astrophysical Journal, 2015, 798, 19.	4.5	52
119	Drivers of North Atlantic Polar Front jet stream variability. International Journal of Climatology, 2015, 35, 1697-1720.	3.5	94
120	GENERATION OF MAGNETOHYDRODYNAMIC WAVES IN LOW SOLAR ATMOSPHERIC FLUX TUBES BY PHOTOSPHERIC MOTIONS. Astrophysical Journal, 2015, 799, 6.	4.5	48
121	WAVE DAMPING OBSERVED IN UPWARDLY PROPAGATING SAUSAGE-MODE OSCILLATIONS CONTAINED WITHIN A MAGNETIC PORE. Astrophysical Journal, 2015, 806, 132.	4.5	75
122	THE DYNAMICS OF RAPID REDSHIFTED AND BLUESHIFTED EXCURSIONS IN THE SOLAR HÎ±LINE. Astrophysical Journal, 2015, 802, 26.	4.5	49
123	A Fast MHD Code for Gravitationally Stratified Media using Graphical Processing Units: SMAUG. Journal of Astrophysics and Astronomy, 2015, 36, 197-223.	1.0	9
124	Morphological and electrical properties of self-assembled iron silicide nanoparticles on Si(0 0 1) and Si(1 1 1) substrates. Applied Surface Science, 2015, 357, 573-582.	6.1	1
125	ON THE STATISTICS OF MACROSPICULES. Astrophysical Journal, 2015, 808, 135.	4.5	21
126	Morphology and crystallinity control of wet chemically grown ZnO nanorods. Turkish Journal of Physics, 2014, 38, 391-398.	1.1	4

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127	THE GENERATION AND DAMPING OF PROPAGATING MHD KINK WAVES IN THE SOLAR ATMOSPHERE. Astrophysical Journal, 2014, 784, 29.	4.5	45
128	State Transition Induced by Self-Steepening and Self Phase-Modulation. Chinese Physics Letters, 2014, 31, 010502.	3.3	12
129	MAGNETOHYDROSTATIC EQUILIBRIUM. II. THREE-DIMENSIONAL MULTIPLE OPEN MAGNETIC FLUX TUBES IN THE STRATIFIED SOLAR ATMOSPHERE. Astrophysical Journal, 2014, 789, 42.	4.5	9
130	Coronal wave associated with a non-radial filament eruption observed by the Solar Dynamics Observatory. Monthly Notices of the Royal Astronomical Society, 2014, 444, 1119-1124.	4.4	5
131	THE DETECTION OF UPWARDLY PROPAGATING WAVES CHANNELING ENERGY FROM THE CHROMOSPHERE TO THE LOW CORONA. Astrophysical Journal, 2014, 791, 61.	4.5	28
132	Effects of Stratification and Flows on P 1/P 2 Ratios and Anti-node Shifts Within Closed Loop Structures. Solar Physics, 2014, 289, 167-182.	2.5	12
133	Linear MHD Wave Propagation in Time-Dependent Flux Tube. Solar Physics, 2014, 289, 899-909.	2.5	5
134	Linear MHD Wave Propagation in Time-Dependent Flux Tube. Solar Physics, 2014, 289, 1193-1202.	2.5	3
135	Three-dimensional SOlar RAdiation Model (SORAM) and its application to 3-D urban planning. Solar Energy, 2014, 101, 63-73.	6.1	50
136	Signature of the North Atlantic Oscillation on British solar radiation availability and PV potential: The winter zonal seesaw. Solar Energy, 2014, 107, 210-219.	6.1	13
137	Resonant Damping of Propagating Kink Waves in Time-Dependent Magnetic Flux Tube. Solar Physics, 2014, 289, 4105-4115.	2.5	4
138	Few-cycle optical rogue waves: Complex modified Kortewegâ€“de Vries equation. Physical Review E, 2014, 89, 062917.	2.1	115
139	LONGITUDINAL MAGNETOHYDRODYNAMICS OSCILLATIONS IN DISSIPATIVE, COOLING CORONAL LOOPS. Astrophysical Journal, 2014, 786, 36.	4.5	14
140	Standing sausage waves in photospheric magnetic waveguides. Astronomy and Astrophysics, 2014, 563, A12.	5.1	30
141	Ray-Optics Modelling of Rectangular and Cylindrical 2-Layer Solar Concentrators. Journal of Lightwave Technology, 2013, 31, 1033-1044.	4.6	20
142	OBSERVATIONAL EVIDENCE OF SAUSAGE-PINCH INSTABILITY IN SOLAR CORONA BY SDO /AIA. Astrophysical Journal Letters, 2013, 765, L42.	8.3	17
143	Statistical Analysis of Small Ellerman Bomb Events. Solar Physics, 2013, 283, 307-323.	2.5	35
144	ELLERMAN BOMBSâ€"EVIDENCE FOR MAGNETIC RECONNECTION IN THE LOWER SOLAR ATMOSPHERE. Astrophysical Journal, 2013, 779, 125.	4.5	61

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145	AlfvÃ©n Waves in the Solar Atmosphere. Space Science Reviews, 2013, 175, 1-27.	8.1	134
146	Effect of Variable Background on an Oscillating Hot Coronal Loop. Solar Physics, 2013, 283, 413-428.	2.5	16
147	EVIDENCE FOR THE PHOTOSPHERIC EXCITATION OF INCOMPRESSIBLE CHROMOSPHERIC WAVES. Astrophysical Journal, 2013, 768, 17.	4.5	65
148	Photospheric high-frequency acoustic power excess in sunspot umbra: signature of magneto-acoustic modes. Annales Geophysicae, 2013, 31, 1357-1364.	1.6	5
149	Magnetohydrostatic equilibrium â€“ I. Three-dimensional open magnetic flux tube in the stratified solar atmosphere. Monthly Notices of the Royal Astronomical Society, 2013, 435, 689-697.	4.4	24
150	A STATISTICAL STUDY OF TRANSVERSE OSCILLATIONS IN A QUIESCENT PROMINENCE. Astrophysical Journal Letters, 2013, 779, L16.	8.3	50
151	Effect of stratification on the frequency of bounded Rossby modes over a non-flat bottom. Geophysical and Astrophysical Fluid Dynamics, 2013, 107, 541-563.	1.2	0
152	Eclipse on the Coral Sea: Cycle 24 Ascending. Journal of Physics: Conference Series, 2013, 440, 011001.	0.4	0
153	CHARACTERISTICS OF TRANSVERSE WAVES IN CHROMOSPHERIC MOTTLES. Astrophysical Journal, 2013, 779, 82.	4.5	38
154	Title is missing!. Acta Physica Polonica B, 2012, 43, 1365.	0.8	0
155	Integrated horizontal ZnO nanowires for sensor applications. , 2012, , .		2
156	GENERATION OF QUASI-PERIODIC WAVES AND FLOWS IN THE SOLAR ATMOSPHERE BY OSCILLATORY RECONNECTION. Astrophysical Journal, 2012, 749, 30.	4.5	58
157	Engineered ZnO nanowire arrays using different nanopatterning techniques. , 2012, , .		0
158	Multiwavelength Observations of Supersonic Plasma Blob Triggered by Reconnection-Generated Velocity Pulse in AR10808. Solar Physics, 2012, 281, 729-747.	2.5	5
159	In-situ mechanical characterization of wurtzite InAs nanowires. Solid State Communications, 2012, 152, 1829-1833.	1.9	11
160	Observations of ubiquitous compressive waves in the Sunâ€™s chromosphere. Nature Communications, 2012, 3, 1315.	12.8	148
161	LONGITUDINAL OSCILLATIONS IN DENSITY STRATIFIED AND EXPANDING SOLAR WAVEGUIDES. Astrophysical Journal, 2012, 748, 110.	4.5	24
162	DETERMINATION OF SUB-RESOLUTION STRUCTURE OF A JET BY SOLAR MAGNETOSEISMOLOGY. Astrophysical Journal, 2012, 744, 5.	4.5	29

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163	Observations of quasi-periodic phenomena associated with a large blowout solar jet. Astronomy and Astrophysics, 2012, 542, A70.	5.1	30
164	TRANSVERSE OSCILLATIONS IN CHROMOSPHERIC MOTTLES. Astrophysical Journal, 2012, 750, 51.	4.5	61
165	THREE-DIMENSIONAL SIMULATIONS OF MAGNETOHYDRODYNAMIC WAVES IN MAGNETIZED SOLAR ATMOSPHERE. Astrophysical Journal, 2012, 755, 18.	4.5	55
166	Magnetic tornadoes as energy channels into the solar corona. Nature, 2012, 486, 505-508.	27.8	270
167	Effect of nanosphere monolayer on the morphology of ZnO nanowires grown by hydrothermal method. Materials Letters, 2012, 79, 242-244.	2.6	5
168	Mechanical characterization of epitaxially grown zinc oxide nanorods. Physica E: Low-Dimensional Systems and Nanostructures, 2012, 44, 1050-1053.	2.7	1
169	Investigations into the Impact of the Template Layer on ZnO Nanowire Arrays Made Using Low Temperature Wet Chemical Growth. Crystal Growth and Design, 2011, 11, 2515-2519.	3.0	41
170	Torsional AlfvÃ©n waves: magneto-seismology in static and dynamic coronal plasmas. Astronomy and Astrophysics, 2011, 534, A27.	5.1	16
171	Magneto-seismology of solar atmospheric loops by means of longitudinal oscillations. Proceedings of the International Astronomical Union, 2011, 7, 437-440.	0.0	0
172	NUMERICAL MODELING OF FOOTPOINT-DRIVEN MAGNETO-ACOUSTIC WAVE PROPAGATION IN A LOCALIZED SOLAR FLUX TUBE. Astrophysical Journal, 2011, 727, 17.	4.5	84
173	THE RESPONSE OF A THREE-DIMENSIONAL SOLAR ATMOSPHERE TO WAVE-DRIVEN JETS. Astrophysical Journal, 2011, 743, 14.	4.5	20
174	OBSERVATIONS OF SAUSAGE MODES IN MAGNETIC PORES. Astrophysical Journal Letters, 2011, 729, L18.	8.3	77
175	Observational Signatures of Impulsively Heated Coronal Loops: Power-Law Distribution ofÂEnergies. Solar Physics, 2011, 269, 295-307.	2.5	6
176	Damping of Longitudinal Magnetoâ€“Acoustic Oscillations in Slowly Varying Coronal Plasma. Solar Physics, 2011, 272, 73-89.	2.5	15
177	Multiwavelength Observations of a Failed Flux Rope in the Eruption and Associated M-Class Flare from NOAA AR 11045. Solar Physics, 2011, 272, 301-317.	2.5	24
178	Resonant MHD Waves in the Solar Atmosphere. Space Science Reviews, 2011, 158, 289-338.	8.1	193
179	Magnetohydrodynamic Waves and Seismology of the Solar Atmosphere. Space Science Reviews, 2011, 158, 167-168.	8.1	15
180	Effects of Magnetic Fields in the Solar Atmosphere on Global Oscillations. Space Science Reviews, 2011, 158, 471-504.	8.1	7

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181	Highly ordered threeâ€dimensional ZnO nanorods for novel photonic devices. Physica Status Solidi C: Current Topics in Solid State Physics, 2011, 8, 2895-2898.	0.8	1
182	FREQUENCY FILTERING OF TORSIONAL ALFVÃ‰N WAVES BY CHROMOSPHERIC MAGNETIC FIELD. Astrophysical Journal Letters, 2011, 740, L46.	8.3	51
183	Photospheric magnetic vortex structures. Annales Geophysicae, 2011, 29, 883-887.	1.6	39
184	Could periodic patterns in human mortality be sensitive to solar activity?. Annales Geophysicae, 2011, 29, 1113-1120.	1.6	11
185	MHD waves generated by high-frequency photospheric vortex motions. Annales Geophysicae, 2011, 29, 1029-1035.	1.6	67
186	Application of the theory of damping of kink oscillations by radiative cooling of coronal loop plasma. Astronomy and Astrophysics, 2010, 519, A43.	5.1	30
187	Propagating magneto-hydrodynamic waves in a cooling homogenous coronal plasma. Astronomy and Astrophysics, 2010, 512, A23.	5.1	33
188	EVIDENCE OF SOLAR FLARE TRIGGERING DUE TO LOOP-LOOP INTERACTION CAUSED BY FOOTPOINT SHEAR MOTION. Astrophysical Journal, 2010, 723, 1651-1664.	4.5	25
189	Magneto-Acoustic Waves in Compressible Magnetically Twisted Flux Tubes. Solar Physics, 2010, 263, 63-85.	2.5	75
190	An analytic interface dynamo over a shear layer of finite depth. Geophysical and Astrophysical Fluid Dynamics, 2010, 104, 619-630.	1.2	3
191	MAGNETOSEISMOLOGY: EIGENMODES OF TORSIONAL ALFVÃ‰N WAVES IN STRATIFIED SOLAR WAVEGUIDES. Astrophysical Journal, 2010, 714, 1637-1648.	4.5	43
192	Waves in the Transition Region. Thirty Years of Astronomical Discovery With UKIRT, 2010, , 426-428.	0.3	1
193	Magnetohydrodynamic waves in a compressible magnetic flux tube with elliptical cross-section. Astronomy and Astrophysics, 2009, 494, 295-309.	5.1	34
194	The effect of elliptic shape on the period ratioP${_{1}}$/P${_{2}}$ of emerging coronal loops. Astronomy and Astrophysics, 2009, 502, 315-323.	5.1	26
195	Acoustic wave propagation in the solar sub-photosphere with localised magnetic field concentration: effect of magnetic tension. Astronomy and Astrophysics, 2009, 501, 735-743.	5.1	42
196	JETS IN POLAR CORONAL HOLES. Astrophysical Journal, 2009, 704, 1385-1395.	4.5	23
197	Alfvèn Waves in the Lower Solar Atmosphere. Science, 2009, 323, 1582-1585.	12.6	349
198	Oscillatory Response of the 3D Solar Atmosphere toÂtheÂLeakageÂofÂPhotosphericÂMotion. Solar Physics, 2009, 258, 219-241.	2.5	32

#	Article	IF	Citations
199	Heating Diagnostics with MHD Waves. Space Science Reviews, 2009, 149, 229-254.	8.1	63
200	Transverse Oscillations of Coronal Loops. Space Science Reviews, 2009, 149, 199-228.	8.1	160
201	Oscillations and Waves in Solar Spicules. Space Science Reviews, 2009, 149, 355-388.	8.1	148
202	Coronal Seismology by Means of Kink Oscillation Overtones. Space Science Reviews, 2009, 149, 3-29.	8.1	179
203	Highly Uniform Epitaxial ZnO Nanorod Arrays for Nanopiezotronics. Nanoscale Research Letters, 2009, 4, 699-704.	5.7	54
204	TRANSVERSE OSCILLATIONS OF A COOLING CORONAL LOOP. Astrophysical Journal, 2009, 707, 750-760.	4.5	67
205	Global Acoustic Resonance in a Stratified Solar Atmosphere. Solar Physics, 2008, 251, 523-531.	2.5	23
206	Effects of Random Flows on the Solar f Mode:ÂII. Horizontal and Vertical Flow. Solar Physics, 2008, 251, 469-489.	2.5	9
207	Effects of Random Flows on the Solar f Mode: I.ÂHorizontal Flow. Solar Physics, 2008, 251, 453-468.	2.5	7
208	Dissipation of Longitudinal Oscillations in Stratified Nonisothermal Hot Coronal Loops. Solar Physics, 2008, 252, 305-319.	2.5	18
209	Generation of short-lived large-amplitude magnetohydrodynamic pulses by dispersive focusing. Physics Letters, Section A: General, Atomic and Solid State Physics, 2008, 372, 6107-6110.	2.1	30
210	Effect of longitudinal magnetic and density inhomogeneity on transversal coronal loop oscillations. Astronomy and Astrophysics, 2008, 486, 1015-1022.	5.1	132
211	Radiative damping of standing acoustic waves in solar coronal loops. Astronomy and Astrophysics, 2008, 483, 301-309.	5.1	18
212	Transverse Oscillations of Longitudinally Stratified Coronal Loops with Variable Cross Section. Astrophysical Journal, 2008, 686, 694-700.	4.5	117
213	Discovery of Spatial Periodicities in a Coronal Loop Using Automated Edgeâ€Tracking Algorithms. Astrophysical Journal, 2008, 680, 1523-1531.	4.5	15
214	A Novel Approach to the Solar Interiorâ€Atmosphere Eigenvalue Problem. Astrophysical Journal, 2008, 683, 527-535.	4.5	8
215	Refined Magnetoseismological Technique for the Solar Corona. Astrophysical Journal, 2008, 687, L45-L48.	4.5	67
216	Wave propagation in steady stratified one-dimensional cylindrical waveguides. Astronomy and Astrophysics, 2008, 483, 285-295.	5.1	5

#	Article	IF	Citations
217	Magnetohydrodynamic code for gravitationally-stratified media. Astronomy and Astrophysics, 2008, 486, 655-662.	5.1	37
218	Kink oscillations in magnetic tubes with twisted annulus. Astronomy and Astrophysics, 2008, 481, 239-246.	5.1	53
219	Hinode EUV spectroscopic observations of coronal oscillations. Astronomy and Astrophysics, 2008, 489, L49-L52.	5.1	86
220	CHAPTER 5: WAVES AND OSCILLATIONS IN THE SOLAR ATMOSPHERE. , 2008, , .		12
221	Effects of Random Flows on the Solar f Mode:ÂII. Horizontal and Vertical Flow. , 2008, , 467-487.		0
222	Magnetohydrodynamic Waves. AIP Conference Proceedings, 2007, , .	0.4	3
223	Sausage and kink oscillations in incompressible annular magnetic cylinders. Astronomy and Astrophysics, 2007, 475, 323-331.	5.1	46
224	Spatial magneto-seismology: effect of density stratification on the first harmonic amplitude profile of transversal coronal loop oscillations. Astronomy and Astrophysics, 2007, 475, 341-348.	5.1	54
225	Forward Modeling of Hot Loop Oscillations Observed by SUMER and SXT. Astrophysical Journal, 2007, 659, L173-L176.	4.5	47
226	Resonant acoustic waves in a stratified atmosphere. Proceedings of the International Astronomical Union, 2007, 3, 86-89.	0.0	3
227	Solar feature tracking in both spatial and temporal domains. Proceedings of the International Astronomical Union, 2007, 3, 288-295.	0.0	0
228	Damping of non-isothermal hot coronal loops oscillations. Proceedings of the International Astronomical Union, 2007, 3, 316-319.	0.0	0
229	Identification of linear slow sausage waves in magnetic pores. Proceedings of the International Astronomical Union, 2007, 3, 351-354.	0.0	15
230	Are There Alfvèn Waves in the Solar Atmosphere?. Science, 2007, 318, 1572-1574.	12.6	144
231	Global oscillations in a magnetic solar model. Astronomy and Astrophysics, 2007, 466, 377-388.	5.1	12
232	Leakage of photospheric motions into the magnetic solar atmosphere: new prospects of magneto-seismology. Astronomische Nachrichten, 2007, 328, 305-308.	1.2	8
233	Heating of the solar and stellar coronae: a review. Astronomische Nachrichten, 2007, 328, 726-733.	1.2	77
234	The Effect of Abnormal Granulation on Acoustic Wave Travel Times and Mode Frequencies. Solar Physics, 2007, 240, 197-209.	2.5	7

#	Article	IF	Citations
235	Linear MHD Sausage Waves in Compressible Magnetically Twisted Flux Tubes. Solar Physics, 2007, 246, 101-118.	2.5	76
236	Present and Future Observing Trends in Atmospheric Magnetoseismology. Solar Physics, 2007, 246, 3-29.	2.5	205
237	Direct Propagation of Photospheric Acoustic p Modes into Nonmagnetic Solar Atmosphere. Solar Physics, 2007, 246, 41-52.	2.5	18
238	Preface: A Topical Issue in Honor ofÂProfessorÂBernardÂRoberts. Solar Physics, 2007, 246, 1-2.	2.5	3
239	The effect of density stratification on the amplitude profile of transversal coronal loop oscillations. Astronomy and Astrophysics, 2007, 462, 743-751.	5.1	71
240	Analysis of power spectra of Doppler shift time series as a diagnostic tool for quiescent coronal loops. Astronomy and Astrophysics, 2007, 462, 331-340.	5.1	10
241	Leakage of photospheric acoustic waves into non-magnetic solar atmosphere. Astronomy and Astrophysics, 2007, 467, 1299-1311.	5.1	43
242	Forward modelling of sub-photospheric flows for time-distance helioseismology. Astronomy and Astrophysics, 2007, 469, 1101-1107.	5.1	16
243	Solitary wave propagation in solar flux tubes. Physics of Plasmas, 2006, 13, 032902.	1.9	22
244	Magnetic coupling of waves and oscillations in the lower solar atmosphere: can the tail wag the dog?. Philosophical Transactions Series A, Mathematical, Physical, and Engineering Sciences, 2006, 364, 351-381.	3.4	65
245	Slow magnetohydrodynamic waves in stratified and viscous plasmas. Physics of Plasmas, 2006, 13, 042108.	1.9	11
246	Absolute and convective instabilities of parallel propagating circularly polarized AlfvÃ©n waves: numerical results. Astronomy and Astrophysics, 2006, 452, 641-646.	5.1	7
247	Introduction. Philosophical Transactions Series A, Mathematical, Physical, and Engineering Sciences, 2006, 364, 289-296.	3.4	4
248	Magnetohelioseismology. Philosophical Transactions Series A, Mathematical, Physical, and Engineering Sciences, 2006, 364, 297-311.	3.4	14
249	The nature of moss and lower atmospheric seismology. Philosophical Transactions Series A, Mathematical, Physical, and Engineering Sciences, 2006, 364, 383-394.	3.4	48
250	Forward Modeling of Acoustic Wave Propagation in the Quiet Solar Subphotosphere. Astrophysical Journal, 2006, 651, 576-583.	4.5	24
251	Seismology of quiescent coronal loops. Proceedings of the International Astronomical Union, 2006, 2, 191.	0.0	0
252	Wave propagation in incompressible MHD wave guides: the twisted magnetic Annulus. Astronomy and Astrophysics, 2006, 455, 361-370.	5.1	66

#	Article	IF	Citations
253	Sausage MHD Waves in Incompressible Flux Tubes with Twisted Magnetic Fields. Solar Physics, 2006, 238, 41-59.	2.5	88
254	MHD waves in magnetically twisted solar atmospheric flux tubes. Proceedings of the International Astronomical Union, 2006, 2, 134.	0.0	0
255	Intermittent Coronal Loop Oscillations by Random Energy Releases. Astrophysical Journal, 2006, 648, 722-731.	4.5	29
256	Turbulence and surface gravity waves on the Sun. , 2006, , .		1
257	Catastrophic Cooling of Impulsively Heated Coronal Loops. Astrophysical Journal, 2005, 624, 1080-1092.	4.5	45
258	On the Nature of Coronal EIT Waves. Astrophysical Journal, 2005, 633, L145-L148.	4.5	70
259	Towards the future - Birmingham UKSP 2005. Astronomy and Geophysics, 2005, 46, 3.15-3.17.	0.2	0
260	Short-Lived Large-Amplitude Pulses in the Nonlinear Long-Wave Model Described by the Modified Korteweg-De Vries Equation. Studies in Applied Mathematics, 2005, 114, 189-210.	2.4	41
261	Footpoint excitation of standing acoustic waves in coronal loops. Astronomy and Astrophysics, 2005, 438, 713-720.	5.1	61
262	How to Channel Photospheric Oscillations into the Corona. Astrophysical Journal, 2005, 624, L61-L64.	4.5	168
263	Influence of random magnetic field on solar global oscillations: The incompressible f-mode. Astronomy and Astrophysics, 2005, 431, 1083-1088.	5.1	21
264	The Effects of Stratification on Oscillating Coronal Loops. Astrophysical Journal, 2004, 605, 493-502.	4.5	84
265	Solar chromospheric spicules from the leakage of photospheric oscillations and flows. Nature, 2004, 430, 536-539.	27.8	374
266	Core to corona: UKSP 2004. Astronomy and Geophysics, 2004, 45, 3.33-3.35.	0.2	0
267	Heating in the solar atmosphere. Astronomy and Geophysics, 2004, 45, 4.34-4.37.	0.2	18
268	Kelvinâ€“Helmholtz absolute and convective instabilities of, and signalling in, an inviscid fluidâ€“viscous fluid configuration. Proceedings of the Royal Society A: Mathematical, Physical and Engineering Sciences, 2004, 460, 847-874.	2.1	15
269	Hall-magnetohydrodynamic surface waves in solar wind flow-structures. New Journal of Physics, 2004, 6, 14-14.	2.9	4
270	Absolute and convective instabilities in open shear layers. Astronomy and Astrophysics, 2004, 413, 7-15.	5.1	6

#	Article	IF	Citations
271	Can ion-neutral damping help to form spicules?. Astronomy and Astrophysics, 2004, 427, 1055-1064.	5.1	22
272	Linear and non-linear MHD wave propagation in steady-state magnetic cylinders. Solar Physics, 2003, 217, 199-223.	2.5	61
273	Impulsive heating in coronal loops. Advances in Space Research, 2003, 32, 995-1000.	2.6	11
274	Solar physics in Dublin. Astronomy and Geophysics, 2003, 44, 3.13-3.15.	0.2	0
275	On resonantly excited MHD waves in the magnetotail. Journal of Geophysical Research, 2003, 108, .	3.3	17
276	Steady state excitation of field line resonances by global waveguide modes in the magnetosphere. Journal of Geophysical Research, 2003, 108, .	3.3	10
277	Surface wave propagation in steady ideal Hall-magnetohydrodynamic magnetic slabs. Physics of Plasmas, 2003, 10, 4463-4471.	1.9	10
278	Resonant surface waves and instabilities in finite Î² plasmas. Physics of Plasmas, 2003, 10, 266-276.	1.9	13
279	MHD resonant flow instability in the magnetotail. AIP Conference Proceedings, 2003, , .	0.4	1
280	Intensity Oscillations in the Upper Transition Region above Active Region Plage. Astrophysical Journal, 2003, 595, L63-L66.	4.5	103
281	Correlations on Arcsecond Scales between Chromospheric and Transition Region Emission in Active Regions. Astrophysical Journal, 2003, 590, 502-518.	4.5	65
282	Absolute and convective instabilities in open shear layers. Astronomy and Astrophysics, 2003, 403, 425-432.	5.1	9
283	Can ion-neutral damping help to form spicules?. Astronomy and Astrophysics, 2003, 406, 715-724.	5.1	39
284	Resonant and Kelvinâ€“Helmholtz instabilities on the magnetopause. Physics of Plasmas, 2002, 9, 3121-3129.	1.9	25
285	Nonlinear theory of resonant slow MHD waves in twisted magnetic flux tubes. Journal of Plasma Physics, 2002, 67, 79-97.	2.1	8
286	Linear and nonlinear wave propagation in rarefied plasmas. Physics of Plasmas, 2002, 9, 2593-2603.	1.9	13
287	Spicule formation by ion-neutral damping. Astronomy and Astrophysics, 2002, 393, L11-L14.	5.1	31
288	Dynamics of nonlinear resonant slow MHD waves in twisted flux tubes. Nonlinear Processes in Geophysics, 2002, 9, 79-86.	1.3	3

#	Article	IF	Citations
289	Ducted compressional waves in the magnetosphere in the double-polytropic approximation. Annales Geophysicae, 2002, 20, 1553-1558.	1.6	7
290	Steel MIST and UKSP together at Sheffield. Astronomy and Geophysics, 2002, 43, 3.27-3.32.	0.2	0
291	What is the real nature of blinkers?. Astronomy and Astrophysics, 2002, 393, L73-L76.	5.1	8
292	Coronal Loop Heating by Random Energy Releases. Astrophysical Journal, 2002, 579, L49-L52.	4.5	33
293	Modelling of explosive events in the solar transition region in a 2D environment. Astronomy and Astrophysics, 2001, 375, 228-242.	5.1	20
294	Effect of a Steady Flow and an Atmospheric Magnetic Field on the Solar p- and f-Modes. Symposium - International Astronomical Union, 2001, 203, 208-210.	0.1	3
295	Nonlinear resonant absorption of fast magnetoacoustic waves due to coupling into slow continua in the solar atmosphere. Astronomy and Astrophysics, 2001, 368, 662-675.	5.1	9
296	Modelling of explosive events in the solar transition region in a 2D environment. Astronomy and Astrophysics, 2001, 370, 298-310.	5.1	46
297	Damping of helioseismic modes in steady state. Astronomy and Astrophysics, 2001, 372, L17-L20.	5.1	12
298	Rotational splitting of helioseismic modes influenced by a magnetic atmosphere. Astronomy and Astrophysics, 2001, 378, L1-L4.	5.1	9
299	Fast MHD oscillations in prominence fine structures. Astronomy and Astrophysics, 2001, 379, 1083-1097.	5.1	69
300	Modelling of solar explosive events in 2D environments. Astronomy and Astrophysics, 2001, 380, 719-726.	5.1	34
301	Linear and nonlinear resonant interaction of sound waves in dissipative layers. Journal of Plasma Physics, 2000, 64, 235-247.	2.1	4
302	Nonlinear theory of non-axisymmetric resonant slow waves in straight magnetic flux tubes. Journal of Plasma Physics, 2000, 64, 579-599.	2.1	4
303	Linear and nonlinear waves in dilute plasmas. AIP Conference Proceedings, 2000, , .	0.4	0
304	Interaction of sound waves with inhomogeneous magnetized plasma in strongly nonlinear resonant slow wave layer. AIP Conference Proceedings, 2000, , .	0.4	0
305	Title is missing!. Solar Physics, 1999, 186, 67-97.	2.5	17
306	Resonant Absorption of AlfvÃ©n Waves in Steady Coronal Loops. Solar Physics, 1998, 180, 213-229.	2.5	19

#	Article	IF	Citations
307	Resonant Absorption of Nonlinear Slow MHD Waves in Isotropic Steady Plasmas - I. Theory. Solar Physics, 1998, 180, 65-79.	2.5	13
308	Nonlinear theory of slow dissipative layers in anisotropic plasmas. Physics of Plasmas, 1998, 5, 252-260.	1.9	34
309	Interaction of sound waves with slow dissipative layers in anisotropic plasmas in the approximation of weak nonlinearity. Physics of Plasmas, 1998, 5, 2264-2273.	1.9	14
310	Effect of Flow on Resonant Absorption of Slow MHD Waves in Coronal Arcades. Solar Physics, 1997, 172, 61-68.	2.5	4
311	ANALYTICAL SOLUTIONS FOR CUSP RESONANCE IN DISSIPATIVE MHD. Solar Physics, 1997, 171, 49-59.	2.5	34
312	Nonthermal Velocities in the Solar Transition Zone and Corona. Solar Physics, 1997, 173, 243-258.	2.5	26
313	Dissipative instability of the MHD tangential discontinuity in magnetized plasmas with anisotropic viscosity and thermal conductivity. Journal of Plasma Physics, 1996, 56, 285-306.	2.1	32
314	Analytic solutions for resonant Alfvï¿½n waves in 1D magnetic flux tubes in dissipative stationary MHD. Solar Physics, 1995, 161, 123-138.	2.5	29
315	A simple numerical scheme for the computation of resonant Alfvï¿½n waves. Solar Physics, 1995, 161, 139-157.	2.5	9
316	Viscous computations of resonant absorption of MHD waves in flux tubes by fem. Astrophysics and Space Science, 1994, 213, 273-298.	1.4	22
317	Periodicities in X-ray solar flare occurrences and coherency with daily mean magnetic field. Monthly Notices of the Royal Astronomical Society, 0, , .	4.4	0
318	HiRISE - High-Resolution Imaging and Spectroscopy Explorer - Ultrahigh resolution, interferometric and external occulting coronagraphic science. Experimental Astronomy, 0, , 1.	3.7	1