

Valery M Nakariakov

List of Publications by Year in descending order

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papers

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294
times ranked

2316
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#	ARTICLE	IF	CITATIONS
1	TRACE Observation of Damped Coronal Loop Oscillations: Implications for Coronal Heating. <i>Science</i> , 1999, 285, 862-864.	12.6	821
2	Determination of the coronal magnetic field by coronal loop oscillations. <i>Astronomy and Astrophysics</i> , 2001, 372, L53-L56.	5.1	424
3	Coronal Waves and Oscillations. <i>Living Reviews in Solar Physics</i> , 2005, 2, 1.	22.0	379
4	Magnetohydrodynamic waves and coronal seismology: an overview of recent results. <i>Philosophical Transactions Series A, Mathematical, Physical, and Engineering Sciences</i> , 2012, 370, 3193-3216.	3.4	295
5	Quasi-Periodic Pulsations in Solar Flares. <i>Space Science Reviews</i> , 2009, 149, 119-151.	8.1	275
6	Characteristics of transverse oscillations in a coronal loop arcade. <i>Solar Physics</i> , 2004, 223, 77-94.	2.5	234
7	Slow Magnetosonic Waves in Coronal Plumes. <i>Astrophysical Journal</i> , 1999, 514, 441-447.	4.5	225
8	Detection of Waves in the Solar Corona: Kink or Alfvén? <i>Astrophysical Journal</i> , 2008, 676, L73-L75.	4.5	222
9	Global sausage modes of coronal loops. <i>Astronomy and Astrophysics</i> , 2003, 412, L7-L10.	5.1	200
10	Excitation of magnetospheric waveguide modes by magnetosheath flows. <i>Journal of Geophysical Research</i> , 1999, 104, 333-353.	3.3	195
11	MAGNETIC KELVIN-HELMHOLTZ INSTABILITY AT THE SUN. <i>Astrophysical Journal Letters</i> , 2011, 729, L8.	8.3	164
12	Decaying and decayless transverse oscillations of a coronal loop. <i>Astronomy and Astrophysics</i> , 2013, 552, A57.	5.1	161
13	Magnetohydrodynamic Oscillations in the Solar Corona and Earth's Magnetosphere: Towards Consolidated Understanding. <i>Space Science Reviews</i> , 2016, 200, 75-203.	8.1	160
14	Quasi-periodic modulation of solar and stellar flaring emission by magnetohydrodynamic oscillations in a nearby loop. <i>Astronomy and Astrophysics</i> , 2006, 452, 343-346.	5.1	152
15	Decayless low-amplitude kink oscillations: a common phenomenon in the solar corona?. <i>Astronomy and Astrophysics</i> , 2015, 583, A136.	5.1	144
16	Slow magnetoacoustic waves in coronal loops: EIT and TRACE. <i>Astronomy and Astrophysics</i> , 2001, 370, 591-601.	5.1	137
17	Coronal loop seismology using multiple transverse loop oscillation harmonics. <i>Astronomy and Astrophysics</i> , 2007, 473, 959-966.	5.1	135
18	Alfvén Wave Phase Mixing as a Source of Fast Magnetosonic Waves. <i>Solar Physics</i> , 1997, 175, 93-105.	2.5	133

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19	Relationship between wave processes in sunspots and quasi-periodic pulsations in active region flares. <i>Astronomy and Astrophysics</i> , 2009, 505, 791-799.	5.1	124
20	Modelling Quasi-Periodic Pulsations in Solar and Stellar Flares. <i>Space Science Reviews</i> , 2018, 214, 1.	8.1	122
21	Decay-less kink oscillations in coronal loops. <i>Astronomy and Astrophysics</i> , 2013, 560, A107.	5.1	121
22	Time signatures of impulsively generated coronal fast wave trains. <i>Monthly Notices of the Royal Astronomical Society</i> , 2004, 349, 705-709.	4.4	119
23	A Combined Analysis of the Observational Aspects of the Quasi-biennial Oscillation in Solar Magnetic Activity. <i>Space Science Reviews</i> , 2014, 186, 359-386.	8.1	113
24	Solar Science with the Atacama Large Millimeter/Submillimeter Array – A New View of Our Sun. <i>Space Science Reviews</i> , 2016, 200, 1-73.	8.1	113
25	Spatially resolved microwave pulsations of a flare loop. <i>Astronomy and Astrophysics</i> , 2005, 439, 727-736.	5.1	111
26	Magnetohydrodynamic Sausage Mode Oscillations in Coronal Loops. <i>Astrophysical Journal</i> , 2004, 600, 458-463.	4.5	107
27	Types of Microwave Quasi-Periodic Pulsations in Single Flaring Loops. <i>Solar Physics</i> , 2010, 267, 329-342.	2.5	107
28	Dissipation of Slow Magnetosonic Waves in Coronal Plumes. <i>Astrophysical Journal</i> , 2000, 533, 1071-1083.	4.5	106
29	Transverse waves in a post-flare supra-arcade. <i>Astronomy and Astrophysics</i> , 2005, 430, L65-L68.	5.1	106
30	Magnetohydrodynamic Waves in the Solar Corona. <i>Annual Review of Astronomy and Astrophysics</i> , 2020, 58, 441-481.	24.3	106
31	A statistical study of decaying kink oscillations detected using SDO/AIA. <i>Astronomy and Astrophysics</i> , 2016, 585, A137.	5.1	103
32	THE FIRST MEASUREMENT OF THE ADIABATIC INDEX IN THE SOLAR CORONA USING TIME-DEPENDENT SPECTROSCOPY OF <i>HINODE</i> /EIS OBSERVATIONS. <i>Astrophysical Journal Letters</i> , 2011, 727, L32.	8.3	101
33	Acoustic oscillations in solar and stellar flaring loops. <i>Astronomy and Astrophysics</i> , 2004, 414, L25-L28.	5.1	99
34	Excitation of kink oscillations of coronal loops: statistical study. <i>Astronomy and Astrophysics</i> , 2015, 577, A4.	5.1	98
35	SAUSAGE OSCILLATIONS OF CORONAL PLASMA STRUCTURES. <i>Astrophysical Journal</i> , 2012, 761, 134.	4.5	94
36	Coronal magnetic field measurement using loop oscillations observed by <i>Hinode</i> /EIS. <i>Astronomy and Astrophysics</i> , 2008, 487, L17-L20.	5.1	93

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37	A multi-periodic oscillatory event in a solar flare. <i>Astronomy and Astrophysics</i> , 2009, 493, 259-266.	5.1	92
38	SEISMOLOGY OF A LARGE SOLAR CORONAL LOOP FROM EUVI/STEREO OBSERVATIONS OF ITS TRANSVERSE OSCILLATION. <i>Astrophysical Journal</i> , 2009, 698, 397-404.	4.5	91
39	Propagating EUV disturbances in the Solar corona: Two-wavelength observations. <i>Astronomy and Astrophysics</i> , 2003, 404, L1-L4.	5.1	89
40	Short period fast waves in solar coronal loops. <i>Astronomy and Astrophysics</i> , 2003, 409, 325-330.	5.1	88
41	Multi-mode quasi-periodic pulsations in a solar flare. <i>Astronomy and Astrophysics</i> , 2015, 574, A53.	5.1	87
42	Magnetosonic waves in structured atmospheres with steady flows. <i>Solar Physics</i> , 1995, 159, 213-228.	2.5	85
43	On fast magnetosonic coronal pulsations. <i>Solar Physics</i> , 1995, 159, 399-402.	2.5	81
44	Fast magnetoacoustic wave trains in magnetic funnels of the solar corona. <i>Astronomy and Astrophysics</i> , 2013, 560, A97.	5.1	81
45	X-ray quasi-periodic pulsations in solar flares as magnetohydrodynamic oscillations. <i>Astronomy and Astrophysics</i> , 2005, 440, L59-L62.	5.1	77
46	QUASI-PERIODIC PULSATIONS IN THE GAMMA-RAY EMISSION OF A SOLAR FLARE. <i>Astrophysical Journal Letters</i> , 2010, 708, L47-L51.	8.3	77
47	CHROMOSPHERIC RESONANCES ABOVE SUNSPOT UMBRAE. <i>Astrophysical Journal</i> , 2011, 728, 84.	4.5	77
48	Kink Oscillations of Coronal Loops. <i>Space Science Reviews</i> , 2021, 217, 1.	8.1	77
49	A Manifestation of Negative Energy Waves in the Solar Atmosphere. <i>Solar Physics</i> , 1997, 176, 285-297.	2.5	74
50	Short Quasi-Periodic MHD Waves in Coronal Structures. <i>Space Science Reviews</i> , 2005, 121, 115-125.	8.1	73
51	SLOW MAGNETOACOUSTIC WAVES IN TWO-RIBBON FLARES. <i>Astrophysical Journal Letters</i> , 2011, 730, L27.	8.3	71
52	Line-of-sight effects on observability of kink and sausage modes in coronal structures with imaging telescopes. <i>Astronomy and Astrophysics</i> , 2003, 397, 765-770.	5.1	70
53	Wide-spectrum slow magnetoacoustic waves in coronal loops. <i>Astronomy and Astrophysics</i> , 2001, 379, 1106-1112.	5.1	69
54	Detection of the Second Harmonic of Decay-less Kink Oscillations in the Solar Corona. <i>Astrophysical Journal Letters</i> , 2018, 854, L5.	8.3	68

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55	Sausage oscillations of coronal loops. <i>Astronomy and Astrophysics</i> , 2007, 461, 1149-1154.	5.1	68
56	OSCILLATIONS IN PROMINENCE FINE-STRUCTURES. <i>Solar Physics</i> , 1997, 173, 81-101.	2.5	66
57	THREE-MINUTE OSCILLATIONS ABOVE SUNSPOT UMBRA OBSERVED WITH THE SOLAR DYNAMICS OBSERVATORY/ATMOSPHERIC IMAGING ASSEMBLY AND NOBEYAMA RADIOHELIOGRAPH. <i>Astrophysical Journal</i> , 2012, 746, 119.	4.5	66
58	Distinct propagating fast wave trains associated with flaring energy releases. <i>Astronomy and Astrophysics</i> , 2013, 554, A144.	5.1	66
59	Observation of a high-quality quasi-periodic rapidly propagating wave train using SDO/AIA. <i>Astronomy and Astrophysics</i> , 2014, 569, A12.	5.1	66
60	PERIODIC SPECTRAL LINE ASYMMETRIES IN SOLAR CORONAL STRUCTURES FROM SLOW MAGNETOACOUSTIC WAVES. <i>Astrophysical Journal Letters</i> , 2010, 724, L194-L198.	8.3	65
61	Undamped transverse oscillations of coronal loops as a self-oscillatory process. <i>Astronomy and Astrophysics</i> , 2016, 591, L5.	5.1	65
62	Multi-wavelength spatially resolved analysis of quasi-periodic pulsations in a solar flare. <i>Astronomy and Astrophysics</i> , 2008, 487, 1147-1153.	5.1	65
63	Seismological demonstration of perpendicular density structuring in the solar corona. <i>Astronomy and Astrophysics</i> , 2008, 491, L9-L12.	5.1	64
64	Oscillatory processes in solar flares. <i>Plasma Physics and Controlled Fusion</i> , 2010, 52, 124009.	2.1	62
65	Fast magnetoacoustic waves in curved coronal loops. <i>Astronomy and Astrophysics</i> , 2006, 446, 1139-1149.	5.1	62
66	X-RAY AND EUV OBSERVATIONS OF SIMULTANEOUS SHORT AND LONG PERIOD OSCILLATIONS IN HOT CORONAL ARCADE LOOPS. <i>Astrophysical Journal</i> , 2015, 804, 4.	4.5	61
67	Catalog of Decaying Kink Oscillations of Coronal Loops in the 24th Solar Cycle. <i>Astrophysical Journal, Supplement Series</i> , 2019, 241, 31.	7.7	60
68	Damped large amplitude transverse oscillations in an EUV solar prominence, triggered by large-scale transient coronal waves. <i>Astronomy and Astrophysics</i> , 2011, 531, A53.	5.1	59
69	Statistical properties of quasi-periodic pulsations in white-light flares observed with <i>Kepler</i> . <i>Monthly Notices of the Royal Astronomical Society</i> , 2016, 459, 3659-3676.	4.4	59
70	Flare-generated acoustic oscillations in solar and stellar coronal loops. <i>Astronomy and Astrophysics</i> , 2004, 422, 351-355.	5.1	59
71	Damping of slow magnetoacoustic oscillations by the misbalance between heating and cooling processes in the solar corona. <i>Astronomy and Astrophysics</i> , 2019, 628, A133.	5.1	56
72	Damping profile of standing kink oscillations observed by SDO/AIA. <i>Astronomy and Astrophysics</i> , 2016, 585, L6.	5.1	55

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73	Propagating transverse waves in soft X-ray coronal jets. <i>Astronomy and Astrophysics</i> , 2009, 498, L29-L32.	5.1	54
74	Formation of quasi-periodic slow magnetoacoustic wave trains by the heating/cooling misbalance. <i>Physics of Plasmas</i> , 2019, 26, .	1.9	54
75	Measuring the apparent phase speed of propagating EUV disturbances. <i>Astronomy and Astrophysics</i> , 2012, 543, A9.	5.1	53
76	Multi-height observations of magnetoacoustic cut-off frequency in a sunspot atmosphere. <i>Astronomy and Astrophysics</i> , 2014, 561, A19.	5.1	53
77	The possible role of vortex shedding in the excitation of kink-mode oscillations in the solar corona. <i>Astronomy and Astrophysics</i> , 2009, 502, 661-664.	5.1	52
78	Coronal loop seismology using damping of standing kink oscillations by mode coupling. <i>Astronomy and Astrophysics</i> , 2017, 600, A78.	5.1	52
79	Seismology of curved coronal loops with vertically polarised transverse oscillations. <i>Astronomy and Astrophysics</i> , 2006, 452, 615-622.	5.1	51
80	Fast magnetoacoustic waves in curved coronal loops. <i>Astronomy and Astrophysics</i> , 2006, 449, 769-779.	5.1	51
81	Spatiotemporal Analysis of Coronal Loops Using Seismology of Damped Kink Oscillations and Forward Modeling of EUV Intensity Profiles. <i>Astrophysical Journal</i> , 2018, 860, 31.	4.5	50
82	Detection of ultra-long-period oscillations in an EUV filament. <i>Astronomy and Astrophysics</i> , 2004, 427, L5-L8.	5.1	49
83	Coronal loop seismology using damping of standing kink oscillations by mode coupling. <i>Astronomy and Astrophysics</i> , 2016, 589, A136.	5.1	49
84	QUASI-PERIODIC PULSATIONS IN SOLAR AND STELLAR FLARES. REVIEW. <i>SolneĽno-zemnaĽ Fizika</i> , 2020, 6, 3-23. 0.9		48
85	Magnetoacoustic Waves of Small Amplitude in Optically Thin QuasiĽisotropic Plasmas. <i>Astrophysical Journal</i> , 2000, 528, 767-775.	4.5	47
86	THE DECAYING LONG-PERIOD OSCILLATION OF A STELLAR MEGAFLARE. <i>Astrophysical Journal</i> , 2013, 773, 156.	4.5	47
87	Leakage of long-period oscillations from the chromosphere to the corona. <i>Astronomy and Astrophysics</i> , 2011, 533, A116.	5.1	46
88	COMPARISON OF DAMPED OSCILLATIONS IN SOLAR AND STELLAR X-RAY FLARES. <i>Astrophysical Journal</i> , 2016, 830, 110.	4.5	46
89	ULTRA-LONG-PERIOD OSCILLATIONS IN EUV FILAMENTS NEAR TO ERUPTION: TWO-WAVELENGTH CORRELATION AND SEISMOLOGY. <i>Astrophysical Journal</i> , 2009, 700, 1658-1665.	4.5	45
90	Nonlinear long-wavelength torsional AlfvĽn waves. <i>Astronomy and Astrophysics</i> , 2011, 526, A80.	5.1	45

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91	Self-organization of magnetoacoustic waves in a thermally unstable environment. <i>Physics of Plasmas</i> , 2010, 17, 032107.	1.9	44
92	MHD oscillations in solar and stellar coronae: Current results and perspectives. <i>Advances in Space Research</i> , 2007, 39, 1804-1813.	2.6	43
93	SLOW MAGNETOACOUSTIC OSCILLATIONS IN THE MICROWAVE EMISSION OF SOLAR FLARES. <i>Astrophysical Journal Letters</i> , 2012, 756, L36.	8.3	43
94	Dependence of kink oscillation damping on the amplitude. <i>Astronomy and Astrophysics</i> , 2016, 590, L5.	5.1	43
95	Long period oscillations in sunspots. <i>Astronomy and Astrophysics</i> , 2010, 513, A27.	5.1	42
96	FAST MAGNETOACOUSTIC WAVE TRAINS OF SAUSAGE SYMMETRY IN CYLINDRICAL WAVEGUIDES OF THE SOLAR CORONA. <i>Astrophysical Journal</i> , 2015, 814, 135.	4.5	42
97	Empirical mode decomposition analysis of random processes in the solar atmosphere. <i>Astronomy and Astrophysics</i> , 2016, 592, A153.	5.1	41
98	OBSERVATION OF A QUASIPERIODIC PULSATION IN HARD X-RAY, RADIO, AND EXTREME-ULTRAVIOLET WAVELENGTHS. <i>Astrophysical Journal</i> , 2016, 822, 7.	4.5	41
99	On the evolution of a nonlinear Alfvén pulse. <i>Journal of Plasma Physics</i> , 1999, 62, 219-232.	2.1	40
100	Effect of Local Thermal Equilibrium Misbalance on Long-wavelength Slow Magnetoacoustic Waves. <i>Astrophysical Journal</i> , 2017, 849, 62.	4.5	40
101	Sausage oscillations in loops with a non-uniform cross-section. <i>Astronomy and Astrophysics</i> , 2009, 494, 1119-1125.	5.1	40
102	Characteristics of magnetoacoustic sausage modes. <i>Astronomy and Astrophysics</i> , 2009, 503, 569-575.	5.1	39
103	Resonant interactions of modes in coronal magnetic flux tubes. <i>Solar Physics</i> , 1995, 160, 289-302.	2.5	38
104	Nonlinear evolution of torsional Alfvén waves. <i>Astronomy and Astrophysics</i> , 2012, 544, A127.	5.1	38
105	Non-stationary quasi-periodic pulsations in solar and stellar flares. <i>Plasma Physics and Controlled Fusion</i> , 2019, 61, 014024.	2.1	38
106	A three dimensional magnetohydrodynamic pulse in a transversely inhomogeneous medium. <i>Astronomy and Astrophysics</i> , 2002, 393, 321-329.	5.1	38
107	Phase mixing of a three dimensional magnetohydrodynamic pulse. <i>Astronomy and Astrophysics</i> , 2003, 400, 1051-1055.	5.1	37
108	OSCILLATIONS IN A SUNSPOT WITH LIGHT BRIDGES. <i>Astrophysical Journal</i> , 2014, 792, 41.	4.5	37

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109	Wave dynamics in a sunspot umbra. <i>Astronomy and Astrophysics</i> , 2014, 569, A72.	5.1	37
110	Oscillations in stellar superflares. <i>Monthly Notices of the Royal Astronomical Society</i> , 2015, 450, 956-966.	4.4	37
111	EFFECT OF A RADIATION COOLING AND HEATING FUNCTION ON STANDING LONGITUDINAL OSCILLATIONS IN CORONAL LOOPS. <i>Astrophysical Journal</i> , 2016, 824, 8.	4.5	37
112	Modulation of gyrosynchrotron emission in solar and stellar flares by slow magnetoacoustic oscillations. <i>Astronomy and Astrophysics</i> , 2006, 446, 1151-1156.	5.1	36
113	The Pixelised Wavelet Filtering Method to Study Waves and Oscillations in Time Sequences of Solar Atmospheric Images. <i>Solar Physics</i> , 2008, 248, 395-408.	2.5	36
114	Quasi-periodic Radio Bursts Associated with Fast-mode Waves near a Magnetic Null Point. <i>Astrophysical Journal</i> , 2017, 844, 149.	4.5	36
115	Seismological constraints on the solar coronal heating function. <i>Astronomy and Astrophysics</i> , 2020, 644, A33.	5.1	36
116	A strongly nonlinear Alfvénic pulse in a transversely inhomogeneous medium. <i>Astronomy and Astrophysics</i> , 2002, 395, 285-292.	5.1	36
117	Fast magnetoacoustic waves in a randomly structured solar corona. <i>Astronomy and Astrophysics</i> , 2001, 366, 306-310.	5.1	35
118	Fast magnetoacoustic wave trains in coronal holes. <i>Astronomy and Astrophysics</i> , 2014, 568, A20.	5.1	35
119	Quasi-periodic Pulsations in the Most Powerful Solar Flare of Cycle 24. <i>Astrophysical Journal Letters</i> , 2018, 858, L3.	8.3	35
120	Quasi-periodic Pulsations in a Solar Microflare. <i>Astrophysical Journal</i> , 2018, 859, 154.	4.5	35
121	Properties of Slow Magnetoacoustic Oscillations of Solar Coronal Loops by Multi-instrumental Observations. <i>Astrophysical Journal Letters</i> , 2019, 874, L1.	8.3	34
122	Excitation of decay-less transverse oscillations of coronal loops by random motions. <i>Astronomy and Astrophysics</i> , 2020, 633, L8.	5.1	34
123	Dynamics of a multi-thermal loop in the solar corona. <i>Astronomy and Astrophysics</i> , 2014, 570, A84.	5.1	34
124	A Comparison Between Global Proxies of the Sun's Magnetic Activity Cycle: Inferences from Helioseismology. <i>Solar Physics</i> , 2015, 290, 3095-3111.	2.5	33
125	A statistical study of the inferred transverse density profile of coronal loop threads observed with SDO/AIA. <i>Astronomy and Astrophysics</i> , 2017, 605, A65.	5.1	33
126	A weakly nonlinear Alfvénic pulse in a transversely inhomogeneous medium. <i>Astronomy and Astrophysics</i> , 2001, 379, 1098-1105.	5.1	33

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127	Non-linear body sausage waves in thin magnetic flux tubes. Physics Letters, Section A: General, Atomic and Solid State Physics, 1997, 233, 413-417.	2.1	32
128	Solitary autowaves in magnetic flux tubes. Physics Letters, Section A: General, Atomic and Solid State Physics, 1999, 254, 314-318.	2.1	32
129	Intensity variations associated with fast sausage modes. Astronomy and Astrophysics, 2012, 543, A12.	5.1	32
130	Nonlinear slow magnetoacoustic waves in coronal plasma structures. Astronomy and Astrophysics, 2015, 573, A32.	5.1	32
131	Origin of the Modulation of the Radio Emission from the Solar Corona by a Fast Magnetoacoustic Wave. Astrophysical Journal, 2018, 861, 33.	4.5	32
132	Frequency drifts of 3-min oscillations in microwave and EUV emission above sunspots. Astronomy and Astrophysics, 2012, 539, A23.	5.1	31
133	Sausage Oscillations in Multishell Coronal Structures. Solar Physics, 2007, 246, 165-175.	2.5	29
134	Determination of the Alfvén Speed and Plasma-beta Using the Seismology of Sunspot Umbra. Astrophysical Journal Letters, 2017, 837, L11.	8.3	29
135	Magnetohydrodynamic Seismology of Quiet Solar Active Regions. Astrophysical Journal Letters, 2019, 884, L40.	8.3	29
136	Significance testing for quasi-periodic pulsations in solar and stellar flares. Astronomy and Astrophysics, 2017, 602, A47.	5.1	28
137	A Blueprint of State-of-the-art Techniques for Detecting Quasi-periodic Pulsations in Solar and Stellar Flares. Astrophysical Journal, Supplement Series, 2019, 244, 44.	7.7	28
138	Spatially resolved observation of the fundamental and second harmonic standing kink modes using SDO/AIA. Astronomy and Astrophysics, 2016, 593, A53.	5.1	27
139	Nonlinear Evolution of Short-wavelength Torsional Alfvén Waves. Astrophysical Journal, 2017, 840, 64.	4.5	27
140	Seismology of contracting and expanding coronal loops using damping of kink oscillations by mode coupling. Astronomy and Astrophysics, 2017, 607, A8.	5.1	27
141	Quasi-periodic Pulsations of Gamma-Ray Emissions from a Solar Flare on 2017 September 6. Astrophysical Journal, 2020, 888, 53.	4.5	27
142	Entropy mode at a magnetic null point as a possible tool for indirect observation of nanoflares in the solar corona. Astronomy and Astrophysics, 2011, 533, A18.	5.1	27
143	Observation of quasi-periodic solar radio bursts associated with propagating fast-mode waves. Astronomy and Astrophysics, 2016, 594, A96.	5.1	26
144	Solar Bayesian Analysis Toolkit – A New Markov Chain Monte Carlo IDL Code for Bayesian Parameter Inference. Astrophysical Journal, Supplement Series, 2021, 252, 11.	7.7	26

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145	Magnetoacoustic shock formation near a magnetic null point. <i>Astronomy and Astrophysics</i> , 2011, 531, A63.	5.1	25
146	Coronal loop density profile estimated by forward modelling of EUV intensity. <i>Astronomy and Astrophysics</i> , 2017, 600, L7.	5.1	25
147	Properties of quasi-periodic pulsations in solar flares from a single active region. <i>Astronomy and Astrophysics</i> , 2017, 608, A101.	5.1	25
148	Multi-instrument observations of a failed flare eruption associated with MHD waves in a loop bundle. <i>Astronomy and Astrophysics</i> , 2017, 600, A37.	5.1	25
149	High-frequency Alfvén waves in multi-ion coronal plasma: Observational implications. <i>Journal of Geophysical Research</i> , 2005, 110, .	3.3	24
150	QUASI-PERIODIC WIGGLES OF MICROWAVE ZEBRA STRUCTURES IN A SOLAR FLARE. <i>Astrophysical Journal</i> , 2013, 777, 159.	4.5	24
151	VERTICAL KINK OSCILLATION OF A MAGNETIC FLUX ROPE STRUCTURE IN THE SOLAR CORONA. <i>Astrophysical Journal Letters</i> , 2014, 797, L22.	8.3	24
152	Coexisting fast and slow propagating waves of the extreme-UV intensity in solar coronal plasma structures. <i>Astronomy and Astrophysics</i> , 2015, 581, A78.	5.1	24
153	EVOLUTION OF FAST MAGNETOACOUSTIC PULSES IN RANDOMLY STRUCTURED CORONAL PLASMAS. <i>Astrophysical Journal</i> , 2015, 799, 221.	4.5	24
154	The effect of the magnetic field on the damping of slow waves in the solar corona. <i>Astronomy and Astrophysics</i> , 2021, 646, A155.	5.1	24
155	The solar corona as an active medium for magnetoacoustic waves. <i>Plasma Physics and Controlled Fusion</i> , 2021, 63, 124008.	2.1	24
156	Magnetohydrodynamic waves in coronal polar plumes. <i>Philosophical Transactions Series A, Mathematical, Physical, and Engineering Sciences</i> , 2006, 364, 473-483.	3.4	23
157	A MULTI-PERIOD OSCILLATION IN A STELLAR SUPERFLARE. <i>Astrophysical Journal Letters</i> , 2015, 813, L5.	8.3	23
158	Hilbert–Huang transform analysis of periodicities in the last two solar activity cycles. <i>Monthly Notices of the Royal Astronomical Society</i> , 2015, 451, 4360-4367.	4.4	23
159	Sausage oscillations in a plasma cylinder with a surface current. <i>Journal of Atmospheric and Solar-Terrestrial Physics</i> , 2018, 175, 49-55.	1.6	23
160	Observational signatures of the third harmonic in a decaying kink oscillation of a coronal loop. <i>Astronomy and Astrophysics</i> , 2019, 632, A64.	5.1	23
161	Phenomenon of Alfvénic Vortex Shedding. <i>Physical Review Letters</i> , 2010, 105, 055004.	7.8	22
162	Height distribution of the power of 3-min oscillations over sunspots. <i>Astronomy and Astrophysics</i> , 2011, 525, A41.	5.1	22

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164	Two-Dimensional Solar Wind Speeds from 6 to 26 Solar Radii in Solar Cycle 24 by Using Fourier Filtering. <i>Physical Review Letters</i> , 2018, 121, 075101.	7.8	21
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