

H M Antia

List of Publications by Year in descending order

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7,883
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61984

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170
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170
docs citations

170
times ranked

3158
citing authors

#	ARTICLE	IF	CITATIONS
1	The Current State of Solar Modeling. <i>Science</i> , 1996, 272, 1286-1292.	12.6	957
2	Helioseismic Studies of Differential Rotation in the Solar Envelope by the Solar Oscillations Investigation Using the Michelson Doppler Imager. <i>Astrophysical Journal</i> , 1998, 505, 390-417.	4.5	816
3	Differential Rotation and Dynamics of the Solar Interior. <i>Science</i> , 1996, 272, 1300-1305.	12.6	326
4	SEISMIC EVIDENCE FOR A RAPIDLY ROTATING CORE IN A LOWER-GIANT-BRANCH STAR OBSERVED WITH <i>KEPLER</i> . <i>Astrophysical Journal</i> , 2012, 756, 19.	4.5	290
5	Constraining Solar Abundances Using Helioseismology. <i>Astrophysical Journal</i> , 2004, 606, L85-L88.	4.5	237
6	Standing on the Shoulders of Dwarfs: the Kepler Asteroseismic LEGACY Sample. II. Radii, Masses, and Ages. <i>Astrophysical Journal</i> , 2017, 835, 173.	4.5	223
7	Seismic measurement of the depth of the solar convection zone. <i>Monthly Notices of the Royal Astronomical Society</i> , 1997, 287, 189-198.	4.4	218
8	The Seismic Structure of the Sun. <i>Science</i> , 1996, 272, 1296-1300.	12.6	210
9	Standing on the Shoulders of Dwarfs: the Kepler Asteroseismic LEGACY Sample. I. Oscillation Mode Parameters. <i>Astrophysical Journal</i> , 2017, 835, 172.	4.5	195
10	ASTEROSEISMOLOGY OF THE SOLAR ANALOGS 16 Cyg A AND B FROM <i>KEPLER</i> OBSERVATIONS. <i>Astrophysical Journal Letters</i> , 2012, 748, L10.	8.3	156
11	Changes in Solar Dynamics from 1995 to 2002. <i>Astrophysical Journal</i> , 2003, 585, 553-565.	4.5	155
12	Calibration of the Large Area X-Ray Proportional Counter (LAXPC) Instrument on board <i>AstroSat</i> . <i>Astrophysical Journal, Supplement Series</i> , 2017, 231, 10.	7.7	133
13	The Solar Acoustic Spectrum and Eigenmode Parameters. <i>Science</i> , 1996, 272, 1292-1295.	12.6	131
14	ASTROSAT mission. <i>Proceedings of SPIE</i> , 2014, , .	0.8	130
15	Oscillation mode frequencies of 61 main-sequence and subgiant stars observed by <i>Kepler</i> . <i>Astronomy and Astrophysics</i> , 2012, 543, A54.	5.1	126
16	The Discrepancy between Solar Abundances and Helioseismology. <i>Astrophysical Journal</i> , 2005, 620, L129-L132.	4.5	112
17	Temporal Variations of the Rotation Rate in the Solar Interior. <i>Astrophysical Journal</i> , 2000, 541, 442-448.	4.5	104
18	Helioseismic measurement of the extent of overshoot below the solar convection zone. <i>Monthly Notices of the Royal Astronomical Society</i> , 1994, 267, 209-224.	4.4	96

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19	Ring Diagram Analysis of Near-Surface Flows in the Sun. <i>Astrophysical Journal</i> , 1999, 512, 458-470.	4.5	96
20	Ring Diagram Analysis of the Structure of Solar Active Regions. <i>Astrophysical Journal</i> , 2004, 610, 1157-1168.	4.5	91
21	Solar internal rotation rate and the latitudinal variation of the tachocline. <i>Monthly Notices of the Royal Astronomical Society</i> , 1998, 298, 543-556.	4.4	86
22	MERIDIONAL CIRCULATION IN THE SOLAR CONVECTION ZONE: TIME-DISTANCE HELIOSEISMIC INFERENCES FROM FOUR YEARS OF HMI/SDO OBSERVATIONS. <i>Astrophysical Journal</i> , 2015, 813, 114.	4.5	84
23	Determining Solar Abundances Using Helioseismology. <i>Astrophysical Journal</i> , 2006, 644, 1292-1298.	4.5	83
24	CHARACTERISTICS OF SOLAR MERIDIONAL FLOWS DURING SOLAR CYCLE 23. <i>Astrophysical Journal</i> , 2010, 717, 488-495.	4.5	83
25	Temporal Variations of the Solar Rotation Rate at High Latitudes. <i>Astrophysical Journal</i> , 2001, 559, L67-L70.	4.5	77
26	A study of possible temporal and latitudinal variations in the properties of the solar tachocline. <i>Monthly Notices of the Royal Astronomical Society</i> , 2001, 324, 498-508.	4.4	74
27	Asteroseismic determination of helium abundance in stellar envelopes. <i>Monthly Notices of the Royal Astronomical Society</i> , 2004, 350, 277-286.	4.4	74
28	MEASUREMENT OF ACOUSTIC GLITCHES IN SOLAR-TYPE STARS FROM OSCILLATION FREQUENCIES OBSERVED BY KEPLER. <i>Astrophysical Journal</i> , 2014, 782, 18.	4.5	73
29	A Hot Saturn Orbiting an Oscillating Late Subgiant Discovered by TESS. <i>Astronomical Journal</i> , 2019, 157, 245.	4.7	72
30	Large Area X-Ray Proportional Counter (LAXPC) Instrument on AstroSat and Some Preliminary Results from its Performance in the Orbit. <i>Journal of Astrophysics and Astronomy</i> , 2017, 38, 1.	1.0	71
31	ASTROSAT/LAXPC REVEALS THE HIGH-ENERGY VARIABILITY OF GRS 1915+105 IN THE $\dot{\gamma}$ CLASS. <i>Astrophysical Journal</i> , 2016, 833, 27.	4.5	66
32	Oscillation mode linewidths of main-sequence and subgiant stars observed by Kepler. <i>Astronomy and Astrophysics</i> , 2012, 537, A134.	5.1	60
33	Rational Function Approximations for Fermi-Dirac Integrals. <i>Astrophysical Journal, Supplement Series</i> , 1993, 84, 101.	7.7	60
34	Solar Rotation Rate and Its Gradients During Cycle 23. <i>Astrophysical Journal</i> , 2008, 681, 680-692.	4.5	58
35	Solar-cycle variation of the sound-speed asphericity from GONG and MDI data 1995-2000. <i>Monthly Notices of the Royal Astronomical Society</i> , 2001, 327, 1029-1040.	4.4	54
36	Ring Diagram Analysis of the Characteristics of Solar Oscillation Modes in Active Regions. <i>Astrophysical Journal</i> , 2001, 563, 410-418.	4.5	53

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37	Large Area X-ray Proportional Counter (LAXPC) instrument onboard ASTROSAT. Proceedings of SPIE, 2016, , .	0.8	52
38	ASTEROSEISMIC ESTIMATE OF HELIUM ABUNDANCE OF A SOLAR ANALOG BINARY SYSTEM. Astrophysical Journal, 2014, 790, 138.	4.5	51
39	Effects of diffusion on the extent of overshoot below the solar convection zone. Monthly Notices of the Royal Astronomical Society, 1994, 269, 1137-1144.	4.4	50
40	Temporal variations in the Sun's rotational kinetic energy. Astronomy and Astrophysics, 2008, 477, 657-663.	5.1	50
41	Seismic tests for solar models with tachocline mixing. Astronomy and Astrophysics, 2002, 391, 725-739.	5.1	49
42	Measuring the helium abundance in the solar envelope: The role of the equation of state. Astrophysical Journal, 1994, 426, 801.	4.5	49
43	Age dating of an early Milky Way merger via asteroseismology of the naked-eye star $\hat{1}/2$ Indi. Nature Astronomy, 2020, 4, 382-389.	10.1	46
44	Forbush decreases and turbulence levels at coronal mass ejection fronts. Astronomy and Astrophysics, 2009, 494, 1107-1118.	5.1	45
45	High-rigidity Forbush decreases: due to CMEs or shocks?. Astronomy and Astrophysics, 2013, 555, A139.	5.1	45
46	Oscillation mode linewidths and heights of 23 main-sequence stars observed by <i>Kepler</i> . Astronomy and Astrophysics, 2014, 566, A20.	5.1	44
47	A seismic and gravitationally bound double star observed by <i>Kepler</i> . Astronomy and Astrophysics, 2015, 582, A25.	5.1	43
48	Seismic study of stellar convective cores. Astronomy and Astrophysics, 2001, 377, 192-205.	5.1	42
49	Seismic Study of the Chemical Composition of the Solar Convection Zone. Astrophysical Journal, 2007, 668, 603-610.	4.5	41
50	Seismic Measurement of the Locations of the Base of Convection Zone and Helium Ionization Zone for Stars in the Kepler Seismic LEGACY Sample. Astrophysical Journal, 2017, 837, 47.	4.5	39
51	Large-scale Flows in the Solar Interior: Effect of Asymmetry in Peak Profiles. Astrophysical Journal, 1999, 525, 517-523.	4.5	38
52	Waves in the sunspot umbra. Solar Physics, 1979, 63, 67-78.	2.5	37
53	Does the Sun Shrink with Increasing Magnetic Activity?. Astrophysical Journal, 2003, 590, 567-572.	4.5	35
54	How are Forbush decreases related to interplanetary magnetic field enhancements?. Astronomy and Astrophysics, 2015, 580, A41.	5.1	35

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55	On variation of the latitudinal structure of the solar convection zone. <i>Astronomy and Astrophysics</i> , 2003, 399, 329-336.	5.1	34
56	SpaceInn hare-and-hounds exercise: Estimation of stellar properties using space-based asteroseismic data. <i>Astronomy and Astrophysics</i> , 2016, 592, A14.	5.1	32
57	AstroSat/LAXPC Observation of Cygnus X-1 in the Hard State. <i>Astrophysical Journal</i> , 2017, 835, 195.	4.5	32
58	Overstability of acoustic modes and the solar five-minute oscillations. <i>Solar Physics</i> , 1982, 77, 303-327.	2.5	31
59	Probing the Subsurface Structures of Active Regions with Ring-Diagram Analysis. <i>Solar Physics</i> , 2008, 251, 439-451.	2.5	31
60	AstroSat and MAXI view of the black hole binary 4U 1630 $\hat{\sim}$ 472 during 2016 and 2018 outbursts. <i>Monthly Notices of the Royal Astronomical Society</i> , 2020, 497, 1197-1211.	4.4	31
61	Large Area X-ray Proportional Counter (LAXPC) in orbit performance: Calibration, background, analysis software. <i>Journal of Astrophysics and Astronomy</i> , 2021, 42, 1.	1.0	31
62	Broad-band reflection spectroscopy of MAXI J1535 $\hat{\sim}$ 571 using AstroSat: estimation of black hole mass and spin. <i>Monthly Notices of the Royal Astronomical Society</i> , 2019, 487, 4221-4229.	4.4	30
63	<i>Kepler</i> observations of the asteroseismic binary HD 176465. <i>Astronomy and Astrophysics</i> , 2017, 601, A82.	5.1	28
64	TESS Asteroseismology of the Known Red-giant Host Stars HD 212771 and HD 203949. <i>Astrophysical Journal</i> , 2019, 885, 31.	4.5	28
65	Convection in the envelopes of red giants. <i>Astrophysical Journal</i> , 1984, 282, 574.	4.5	28
66	Seismic detection of acoustic sharp features in the CoRoT target HD $\hat{\sim}$ 49933. <i>Astronomy and Astrophysics</i> , 2012, 540, A31.	5.1	27
67	SOLAR ROTATION RATE DURING THE CYCLE 24 MINIMUM IN ACTIVITY. <i>Astrophysical Journal</i> , 2010, 720, 494-502.	4.5	26
68	A THEORETICAL STUDY OF ACOUSTIC GLITCHES IN LOW-MASS MAIN-SEQUENCE STARS. <i>Astrophysical Journal</i> , 2014, 794, 114.	4.5	25
69	Asteroseismology of Solar-Type Stars with <i>Kepler</i> : Detection of Oscillations in C1 Data. <i>Publications of the Astronomical Society of the Pacific</i> , 2015, 127, 1038-1044.	3.1	25
70	AstroSat/LAXPC Detection of Millisecond Phenomena in 4U 1728-34. <i>Astrophysical Journal</i> , 2017, 841, 41.	4.5	25
71	Helioseismic bounds in the central temperature of the Sun. <i>Astrophysical Journal</i> , 1995, 442, 434.	4.5	25
72	Is the solar convection zone in strict thermal wind balance?. <i>Astronomy and Astrophysics</i> , 2010, 510, A33.	5.1	24

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73	Helioseismic Inversion to Infer the Depth Profile of Solar Meridional Flow Using Spherical Born Kernels. <i>Astrophysical Journal</i> , 2018, 863, 39.	4.5	24
74	SOLAR MAGNETIC FIELD SIGNATURES IN HELIOSEISMIC SPLITTING COEFFICIENTS. <i>Astrophysical Journal</i> , 2009, 705, 1704-1713.	4.5	23
75	REVISITING THE SOLAR TACHOCLINE: AVERAGE PROPERTIES AND TEMPORAL VARIATIONS. <i>Astrophysical Journal Letters</i> , 2011, 735, L45.	8.3	23
76	Granulation and supergranulation as convective modes in the solar envelope. <i>Solar Physics</i> , 1981, 70, 67-91.	2.5	22
77	Numerical Methods for Scientists and Engineers. <i>Texts and Readings in Physical Sciences</i> , 2012, , .	0.2	22
78	Seismology of the solar convection zone. <i>Journal of Astrophysics and Astronomy</i> , 1994, 15, 143-156.	1.0	21
79	High-frequency and High-wavenumber Solar Oscillations. <i>Astrophysical Journal</i> , 1999, 519, 400-406.	4.5	21
80	Seismology of the Solar f-Mode. I. Basic Signatures of Shearing Velocity Fields. <i>Astrophysical Journal</i> , 1995, 451, 851.	4.5	19
81	Helioseismic models and solar neutrino fluxes. <i>Monthly Notices of the Royal Astronomical Society</i> , 1997, 289, L1-L4.	4.4	18
82	Asymmetry in Solar Torsional Oscillation and the Sunspot Cycle. <i>Astrophysical Journal</i> , 2018, 861, 121.	4.5	18
83	Structure of the Near-Surface Layers of the Sun: Asphericity and Time Variation. <i>Astrophysical Journal</i> , 2007, 654, 1146-1165.	4.5	17
84	Asteroseismic determination of fundamental parameters of Sun-like stars using multilayered neural networks. <i>Monthly Notices of the Royal Astronomical Society</i> , 2016, 461, 4206-4214.	4.4	17
85	Consistency of the mixing length theory. <i>Astrophysical Journal</i> , 1982, 262, 358.	4.5	17
86	Sensitivity of helioseismic measurements of normal-mode coupling to flows and sound-speed perturbations. <i>Monthly Notices of the Royal Astronomical Society</i> , 2017, 470, 1404-1420.	4.4	16
87	Thermonuclear X-ray bursts in rapid succession in 4U 1636-536 with <i>AstroSat</i> -LAXPC. <i>Monthly Notices of the Royal Astronomical Society</i> , 2019, 482, 4397-4407.	4.4	16
88	Flare-Induced Excitation of Solar p modes. <i>Solar Physics</i> , 2003, 218, 151-172.	2.5	15
89	Revisiting the Issue of Solar Abundances. <i>Journal of Physics: Conference Series</i> , 2013, 440, 012017.	0.4	15
90	Effects of Thermonuclear X-Ray Bursts on Non-burst Emissions in the Soft State of 4U 1728-34. <i>Astrophysical Journal</i> , 2018, 860, 88.	4.5	15

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91	Effects of surface layers on helioseismic inversion. Monthly Notices of the Royal Astronomical Society, 1995, 274, 499-503.	4.4	14
92	SOLAR FLOWS AND THEIR EFFECT ON FREQUENCIES OF ACOUSTIC MODES. Astrophysical Journal, 2009, 707, 208-217.	4.5	14
93	AstroSat Observations of GRO J2058+42 during the 2019 Outburst. Astrophysical Journal, 2020, 897, 73.	4.5	14
94	Seismic detection of stellar tachoclines. Astronomy and Astrophysics, 2001, 368, L8-L12.	5.1	14
95	Changes in Solar Rotation over Two Solar Cycles. Astrophysical Journal, 2019, 883, 93.	4.5	14
96	Local helioseismology using ring diagram analysis. Astronomische Nachrichten, 2007, 328, 257-263.	1.2	13
97	Are recent solar heavy element abundances consistent with helioseismology?. Journal of Physics: Conference Series, 2011, 271, 012034.	0.4	13
98	X-Ray Timing Analysis of Cyg X-3 Using AstroSat/LAXPC: Detection of Milli-hertz Quasi-periodic Oscillations during the Flaring Hard X-Ray State. Astrophysical Journal, 2017, 849, 16.	4.5	12
99	LAXPC/AstroSat Study of ~ 1 and ~ 2 mHz Quasi-periodic Oscillations in the Be/X-Ray Binary 4U 0115+63 during Its 2015 Outburst. Astrophysical Journal, 2019, 872, 33.	4.5	12
100	Helium abundance in the solar envelope. Monthly Notices of the Royal Astronomical Society, 0, , .	4.4	11
101	Waves in the sunspot penumbra. Solar Physics, 1978, 60, 31-46.	2.5	10
102	Influence of turbulent pressure on solar convective modes. Monthly Notices of the Royal Astronomical Society, 1983, 204, 865-881.	4.4	10
103	FREQUENCY SHIFTS OF RESONANT MODES OF THE SUN DUE TO NEAR-SURFACE CONVECTIVE SCATTERING. Astrophysical Journal, 2015, 806, 246.	4.5	10
104	Hemispheric asymmetry in meridional flow and the sunspot cycle. Monthly Notices of the Royal Astronomical Society, 2019, 489, 714-722.	4.4	10
105	Effect of Asymmetry in Peak Profiles on Solar Oscillation Frequencies. Astrophysical Journal, 2000, 531, 1088-1093.	4.5	10
106	<i>AstroSat</i> view of IGR J17091-3624 and GRS 1915+105: decoding the "pulse" in the "Heartbeat State" Monthly Notices of the Royal Astronomical Society, 2021, 501, 6123-6138.	4.4	9
107	Global oscillation analysis of solar neutrino data with helioseismically constrained fluxes. Physical Review D, 2001, 64, .	4.7	8
108	Helioseismic limit on heavy element abundance. Astronomy and Astrophysics, 2002, 393, L95-L98.	5.1	8

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109	Contrasting the solar rotation rate of cycles 23 and 24. <i>Journal of Physics: Conference Series</i> , 2013, 440, 012018.	0.4	8
110	On the magnetic field required for driving the observed angular-velocity variations in the solar convection zone. <i>Monthly Notices of the Royal Astronomical Society</i> , 2013, 428, 470-475.	4.4	7
111	Possibility of Excitation of Low- α , "P-Modes by Energetic Solar Transients. <i>Solar Physics</i> , 2006, 238, 219-230.	2.5	6
112	Oscillation mode linewidths and heights of 23 main-sequence stars observed by <i>Kepler</i> (Corrigendum). <i>Astronomy and Astrophysics</i> , 2016, 595, C2.	5.1	5
113	Effect of Turbulent Pressure on Solar Oscillation Frequencies. <i>Astrophysics and Space Science Library</i> , 1997, , 51-54.	2.7	5
114	New limits to bias and the amount of dark matter in the universe. <i>Astrophysical Journal</i> , 1987, 315, L1.	4.5	5
115	Changes in the Near-surface Shear Layer of the Sun. <i>Astrophysical Journal</i> , 2022, 924, 19.	4.5	5
116	Zonal Velocity Bands and the Solar Activity Cycle. <i>Solar Physics</i> , 2008, 251, 149-156.	2.5	4
117	Accretion Flow Properties of GRS 1915+105 During Its $\dot{\iota}$ Class Using <i>AstroSat</i> Data. <i>Astrophysical Journal</i> , 2021, 916, 68.	4.5	4
118	On the Excitation of Solar Five-Minute Oscillations. , 1988, , 371-374.		4
119	Improved Background Model for the Large Area X-Ray Proportional Counter (LAXPC) Instrument on board <i>AstroSat</i> . <i>Astrophysical Journal, Supplement Series</i> , 2022, 260, 40.	7.7	4
120	Instabilities in a penetrative atmosphere. <i>Astrophysics and Space Science</i> , 1979, 63, 103-115.	1.4	3
121	Discrete cellular scales of solar convection. <i>Solar Physics</i> , 1993, 145, 227-239.	2.5	3
122	Stability of naked singularities in spherically symmetric dust collapse. <i>Physical Review D</i> , 1996, 53, 3472-3473.	4.7	3
123	Temporal variation of large scale flows in the solar interior. <i>Journal of Astrophysics and Astronomy</i> , 2000, 21, 353-356.	1.0	3
124	Seismic study of magnetic field in the solar interior. <i>Journal of Astrophysics and Astronomy</i> , 2008, 29, 85-92.	1.0	3
125	Position and velocity sensitivities at the triangular libration points in the restricted problem of three bodies when the bigger primary is an oblate body. <i>Astrophysics and Space Science</i> , 2013, 346, 71-78.	1.4	3
126	Time-Distance Helioseismology of Deep Meridional Circulation. Thirty Years of Astronomical Discovery With <i>UKIRT</i> , 2020, , 107-113.	0.3	3

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127	Thermodynamics of a system of leptons, photons and interacting nucleons. <i>Astrophysics and Space Science</i> , 1980, 69, 471-483.	1.4	2
128	Solar five-minute oscillations of low, intermediate, and high degree. <i>Astrophysics and Space Science</i> , 1986, 118, 169-172.	1.4	2
129	Helioseismic search for magnetic field in the solar interior. <i>Journal of Astrophysics and Astronomy</i> , 2000, 21, 343-347.	1.0	2
130	Studies of Cepheus X-4 during the 2018 Outburst Observed with AstroSat. <i>Astrophysical Journal</i> , 2021, 920, 139.	4.5	2
131	Solar Cycle Variations of Large-Scale Flows in the Sun. , 2000, , 469-480.		2
132	Invalidity of the linearized theory for a complete polytrope. <i>Monthly Notices of the Royal Astronomical Society</i> , 1978, 184, 211-219.	4.4	1
133	Can Naked Singularities Yield Gamma-ray Bursts?. <i>General Relativity and Gravitation</i> , 1999, 31, 1675-1680.	2.0	1
134	Spatially-resolved Analysis of the Upper Convection Zone. <i>Symposium - International Astronomical Union</i> , 2001, 203, 183-185.	0.1	1
135	Seismic view of the solar interior. <i>Journal of Astrophysics and Astronomy</i> , 2002, 23, 3-8.	1.0	1
136	How Do $\langle i \rangle$ -Mode Frequencies Change with Solar Radius?. <i>Astrophysical Journal</i> , 2008, 688, L123-L126.	4.5	1
137	COMPARISON OF HIGH-DEGREE SOLAR ACOUSTIC FREQUENCIES AND ASYMMETRY BETWEEN VELOCITY AND INTENSITY DATA. <i>Astrophysical Journal</i> , 2009, 691, 365-371.	4.5	1
138	Characteristics of Solar Meridional Flows. <i>Journal of Physics: Conference Series</i> , 2011, 271, 012071.	0.4	1
139	Zonal Flows Throughout Cycle 23. <i>Journal of Physics: Conference Series</i> , 2011, 271, 012072.	0.4	1
140	A model for stellar surface convection and photospheric line asymmetries. <i>Astrophysical Journal</i> , 1989, 341, 1097.	4.5	1
141	Possible Solar Cycle Variations in the Convection Zone. , 2000, , 449-458.		1
142	Validity of the linearized theory for complete viscous polytropes. <i>Monthly Notices of the Royal Astronomical Society</i> , 1979, 186, 491-494.	4.4	0
143	Stability of a steady vertical flow in a viscous fluid. <i>Solar Physics</i> , 1980, 66, 71-78.	2.5	0
144	Stability of magneto-acoustic waves in a thermally conducting compressible fluid. <i>Astrophysics and Space Science</i> , 1980, 68, 183-200.	1.4	0

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145	A Model for Stellar Convection and Spectral Line Asymmetries. Symposium - International Astronomical Union, 1990, 138, 417-420.	0.1	0
146	Helioseismology and the Solar Neutrino Problem. Symposium - International Astronomical Union, 1998, 185, 41-42.	0.1	0
147	Helioseismology. Journal of Astrophysics and Astronomy, 2005, 26, 161-169.	1.0	0
148	Helioseismology. AIP Conference Proceedings, 2007, , .	0.4	0
149	The Inconstant Sun. , 2007, , .		0
150	Solar oscillations. Proceedings of the International Astronomical Union, 2008, 4, 83-93.	0.0	0
151	Hydrodynamic stability and stellar oscillations. Pramana - Journal of Physics, 2011, 77, 3-18.	1.8	0
152	Asteroseismic estimate of helium abundance of 16 Cyg A, B. EPJ Web of Conferences, 2015, 101, 06066.	0.3	0
153	Frequency shifts of resonant modes of the Sun due to near-surface convective scattering. Proceedings of the International Astronomical Union, 2015, 11, 614-619.	0.0	0
154	Helioseismic Search for Magnetic Field in the Solar Interior. International Astronomical Union Colloquium, 2000, 179, 343-347.	0.1	0
155	Solar Cycle Variation in Solar F-Mode Frequencies and Radius. , 2000, , 459-468.		0
156	Temporal Variation of Large Scale Flows in the Solar Interior. International Astronomical Union Colloquium, 2000, 179, 353-356.	0.1	0
157	Solar Interior and Seismology. Lecture Notes in Physics, 2003, , 80-126.	0.7	0
158	Are Polar Faculae Generated by a Local Dynamo?. Thirty Years of Astronomical Discovery With UKIRT, 2010, , 386-389.	0.3	0
159	Functional Approximations. Texts and Readings in Physical Sciences, 2012, , 425-522.	0.2	0
160	Solar Five-minute Oscillations of Low, Intermediate, and High Degree. , 1986, , 169-172.		0
161	The Seismic Structure of the Sun from Gong. , 1997, , 151-158.		0
162	What do Solar F-Mode Frequencies Tell US?. , 1998, , 165-166.		0

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163	Helioseismology and the Solar Neutrino Problem. , 1998, , 41-42.		0
164	Theoretical spectrum of solar convection. , 1991, , 157-162.		0
165	Zonal Velocity Bands and the Solar Activity Cycle. , 2008, , 149-156.		0
166	Instabilities in a polytropic atmosphere. , 1980, , 15-15.		0