

# H M Antia

## List of Publications by Year in descending order

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166  
papers

7,883  
citations

61984

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51608

86  
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170  
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170  
docs citations

170  
times ranked

3158  
citing authors

#	ARTICLE	IF	CITATIONS
1	Changes in the Near-surface Shear Layer of the Sun. <i>Astrophysical Journal</i> , 2022, 924, 19.	4.5	5
2	Improved Background Model for the Large Area X-Ray Proportional Counter (LAXPC) Instrument on board AstroSat. <i>Astrophysical Journal, Supplement Series</i> , 2022, 260, 40.	7.7	4
3	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
4	Accretion Flow Properties of GRS 1915+105 During Its $\dot{\iota}$ Class Using AstroSat Data. <i>Astrophysical Journal</i> , 2021, 916, 68.	4.5	4
5	<i>AstroSat</i> view of IGR J17091+3624 and GRS 1915+105: decoding the ‘pulse’ in the ‘Heartbeat State’ <sup>TM</sup> . <i>Monthly Notices of the Royal Astronomical Society</i> , 2021, 501, 6123-6138.	4.4	9
6	Studies of Cepheus X-4 during the 2018 Outburst Observed with AstroSat. <i>Astrophysical Journal</i> , 2021, 920, 139.	4.5	2
7	<i>AstroSat</i> and MAXI view of the black hole binary 4U 1630+472 during 2016 and 2018 outbursts. <i>Monthly Notices of the Royal Astronomical Society</i> , 2020, 497, 1197-1211.	4.4	31
8	<i>AstroSat</i> Observations of GRO J2058+42 during the 2019 Outburst. <i>Astrophysical Journal</i> , 2020, 897, 73.	4.5	14
9	Age dating of an early Milky Way merger via asteroseismology of the naked-eye star $\gamma$ Indi. <i>Nature Astronomy</i> , 2020, 4, 382-389.	10.1	46
10	Time-Distance Helioseismology of Deep Meridional Circulation. Thirty Years of Astronomical Discovery With UKIRT, 2020, , 107-113.	0.3	3
11	Hemispheric asymmetry in meridional flow and the sunspot cycle. <i>Monthly Notices of the Royal Astronomical Society</i> , 2019, 489, 714-722.	4.4	10
12	Broad-band reflection spectroscopy of MAXI J1535-571 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
13	TESS Asteroseismology of the Known Red-giant Host Stars HD 212771 and HD 203949. <i>Astrophysical Journal</i> , 2019, 885, 31.	4.5	28
14	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
15	A Hot Saturn Orbiting an Oscillating Late Subgiant Discovered by TESS. <i>Astronomical Journal</i> , 2019, 157, 245.	4.7	72
16	LAXPC/ <i>AstroSat</i> Study of $\sim 1$ and $\sim 2$ mHz Quasi-periodic Oscillations in the Be/X-Ray Binary 4U 0115+63 during Its 2015 Outburst. <i>Astrophysical Journal</i> , 2019, 872, 33.	4.5	12
17	Changes in Solar Rotation over Two Solar Cycles. <i>Astrophysical Journal</i> , 2019, 883, 93.	4.5	14
18	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

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19	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
20	Asymmetry in Solar Torsional Oscillation and the Sunspot Cycle. <i>Astrophysical Journal</i> , 2018, 861, 121.	4.5	18
21	Seismic Measurement of the Locations of the Base of Convection Zone and Helium Ionization Zone for Stars in the Kepler Seismic LEGACY Sample. <i>Astrophysical Journal</i> , 2017, 837, 47.	4.5	39
22	Kepler observations of the asteroseismic binary HD 176465. <i>Astronomy and Astrophysics</i> , 2017, 601, A82.	5.1	28
23	AstroSat/LAXPC Detection of Millisecond Phenomena in 4U 1728-34. <i>Astrophysical Journal</i> , 2017, 841, 41.	4.5	25
24	AstroSat/LAXPC Observation of Cygnus X-1 in the Hard State. <i>Astrophysical Journal</i> , 2017, 835, 195.	4.5	32
25	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
26	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
27	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. <i>Astrophysical Journal</i> , 2017, 849, 16.	4.5	12
28	Calibration of the Large Area X-Ray Proportional Counter (LAXPC) Instrument on board AstroSat. <i>Astrophysical Journal</i> , Supplement Series, 2017, 231, 10.	7.7	133
29	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
30	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
31	Oscillation mode linewidths and heights of 23 main-sequence stars observed by Kepler (Corrigendum). <i>Astronomy and Astrophysics</i> , 2016, 595, C2.	5.1	5
32	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
33	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
34	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
35	Large Area X-ray Proportional Counter (LAXPC) instrument onboard ASTROSAT. <i>Proceedings of SPIE</i> , 2016, , .	0.8	52
36	How are Forbush decreases related to interplanetary magnetic field enhancements?. <i>Astronomy and Astrophysics</i> , 2015, 580, A41.	5.1	35

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37	A seismic and gravitationally bound double star observed by <i>Kepler</i> . <i>Astronomy and Astrophysics</i> , 2015, 582, A25.	5.1	43
38	Asteroseismic estimate of helium abundance of 16 Cyg A, B. <i>EPJ Web of Conferences</i> , 2015, 101, 06066.	0.3	0
39	Frequency shifts of resonant modes of the Sun due to near-surface convective scattering. <i>Proceedings of the International Astronomical Union</i> , 2015, 11, 614-619.	0.0	0
40	MERIDIONAL CIRCULATION IN THE SOLAR CONVECTION ZONE: TIMEâ€DISTANCE HELIOSEISMIC INFERENCE FROM FOUR YEARS OF HMI/ <i>SDO</i> OBSERVATIONS. <i>Astrophysical Journal</i> , 2015, 813, 114.	4.5	84
41	FREQUENCY SHIFTS OF RESONANT MODES OF THE SUN DUE TO NEAR-SURFACE CONVECTIVE SCATTERING. <i>Astrophysical Journal</i> , 2015, 806, 246.	4.5	10
42	Asteroseismology of Solar-Type Stars with <i>K2</i> : Detection of Oscillations in C1 Data. <i>Publications of the Astronomical Society of the Pacific</i> , 2015, 127, 1038-1044.	3.1	25
43	Oscillation mode linewidths and heights of 23 main-sequence stars observed by <i>Kepler</i> . <i>Astronomy and Astrophysics</i> , 2014, 566, A20.	5.1	44
44	ASTROSAT mission. <i>Proceedings of SPIE</i> , 2014, , .	0.8	130
45	A THEORETICAL STUDY OF ACOUSTIC GLITCHES IN LOW-MASS MAIN-SEQUENCE STARS. <i>Astrophysical Journal</i> , 2014, 794, 114.	4.5	25
46	ASTEROSEISMIC ESTIMATE OF HELIUM ABUNDANCE OF A SOLAR ANALOG BINARY SYSTEM. <i>Astrophysical Journal</i> , 2014, 790, 138.	4.5	51
47	MEASUREMENT OF ACOUSTIC GLITCHES IN SOLAR-TYPE STARS FROM OSCILLATION FREQUENCIES OBSERVED BY <i>KEPLER</i> . <i>Astrophysical Journal</i> , 2014, 782, 18.	4.5	73
48	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
49	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
50	Contrasting the solar rotation rate of cycles 23 and 24. <i>Journal of Physics: Conference Series</i> , 2013, 440, 012018.	0.4	8
51	Revisiting the Issue of Solar Abundances. <i>Journal of Physics: Conference Series</i> , 2013, 440, 012017.	0.4	15
52	High-rigidity Forbush decreases: due to CMEs or shocks?. <i>Astronomy and Astrophysics</i> , 2013, 555, A139.	5.1	45
53	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
54	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

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55	Seismic detection of acoustic sharp features in the CoRoT target HD49933. <i>Astronomy and Astrophysics</i> , 2012, 540, A31.	5.1	27
56	Oscillation mode linewidths of main-sequence and subgiant stars observed by <i>Kepler</i> . <i>Astronomy and Astrophysics</i> , 2012, 537, A134.	5.1	60
57	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
58	Numerical Methods for Scientists and Engineers. <i>Texts and Readings in Physical Sciences</i> , 2012, , .	0.2	22
59	Functional Approximations. <i>Texts and Readings in Physical Sciences</i> , 2012, , 425-522.	0.2	0
60	REVISITING THE SOLAR TACHOCLINE: AVERAGE PROPERTIES AND TEMPORAL VARIATIONS. <i>Astrophysical Journal Letters</i> , 2011, 735, L45.	8.3	23
61	Characteristics of Solar Meridional Flows. <i>Journal of Physics: Conference Series</i> , 2011, 271, 012071.	0.4	1
62	Zonal Flows Throughout Cycle 23. <i>Journal of Physics: Conference Series</i> , 2011, 271, 012072.	0.4	1
63	Are recent solar heavy element abundances consistent with helioseismology?. <i>Journal of Physics: Conference Series</i> , 2011, 271, 012034.	0.4	13
64	Hydrodynamic stability and stellar oscillations. <i>Pramana - Journal of Physics</i> , 2011, 77, 3-18.	1.8	0
65	CHARACTERISTICS OF SOLAR MERIDIONAL FLOWS DURING SOLAR CYCLE 23. <i>Astrophysical Journal</i> , 2010, 717, 488-495.	4.5	83
66	SOLAR ROTATION RATE DURING THE CYCLE 24 MINIMUM IN ACTIVITY. <i>Astrophysical Journal</i> , 2010, 720, 494-502.	4.5	26
67	Is the solar convection zone in strict thermal wind balance?. <i>Astronomy and Astrophysics</i> , 2010, 510, A33.	5.1	24
68	Are Polar Faculae Generated by a Local Dynamo?. <i>Thirty Years of Astronomical Discovery With UKIRT</i> , 2010, , 386-389.	0.3	0
69	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
70	SOLAR MAGNETIC FIELD SIGNATURES IN HELIOSEISMIC SPLITTING COEFFICIENTS. <i>Astrophysical Journal</i> , 2009, 705, 1704-1713.	4.5	23
71	SOLAR FLOWS AND THEIR EFFECT ON FREQUENCIES OF ACOUSTIC MODES. <i>Astrophysical Journal</i> , 2009, 707, 208-217.	4.5	14
72	Forbush decreases and turbulence levels at coronal mass ejection fronts. <i>Astronomy and Astrophysics</i> , 2009, 494, 1107-1118.	5.1	45

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73	Zonal Velocity Bands and the Solar Activity Cycle. Solar Physics, 2008, 251, 149-156.	2.5	4
74	Probing the Subsurface Structures of Active Regions with Ring-Diagram Analysis. Solar Physics, 2008, 251, 439-451.	2.5	31
75	Seismic study of magnetic field in the solar interior. Journal of Astrophysics and Astronomy, 2008, 29, 85-92.	1.0	3
76	Solar oscillations. Proceedings of the International Astronomical Union, 2008, 4, 83-93.	0.0	0
77	Temporal variations in the Sun's rotational kinetic energy. Astronomy and Astrophysics, 2008, 477, 657-663.	5.1	50
78	How Do $\omega$ -Mode Frequencies Change with Solar Radius?. Astrophysical Journal, 2008, 688, L123-L126.	4.5	1
79	Solar Rotation Rate and Its Gradients During Cycle 23. Astrophysical Journal, 2008, 681, 680-692.	4.5	58
80	Zonal Velocity Bands and the Solar Activity Cycle. , 2008, , 149-156.		0
81	Helioseismology. AIP Conference Proceedings, 2007, , .	0.4	0
82	The Inconstant Sun. , 2007, , .		0
83	Seismic Study of the Chemical Composition of the Solar Convection Zone. Astrophysical Journal, 2007, 668, 603-610.	4.5	41
84	Structure of the Near-Surface Layers of the Sun: Asphericity and Time Variation. Astrophysical Journal, 2007, 654, 1146-1165.	4.5	17
85	Local helioseismology using ring diagram analysis. Astronomische Nachrichten, 2007, 328, 257-263.	1.2	13
86	Determining Solar Abundances Using Helioseismology. Astrophysical Journal, 2006, 644, 1292-1298.	4.5	83
87	Possibility of Excitation of Low- $\omega$ P-Modes by Energetic Solar Transients. Solar Physics, 2006, 238, 219-230.	2.5	6
88	Helioseismology. Journal of Astrophysics and Astronomy, 2005, 26, 161-169.	1.0	0
89	The Discrepancy between Solar Abundances and Helioseismology. Astrophysical Journal, 2005, 620, L129-L132.	4.5	112
90	Asteroseismic determination of helium abundance in stellar envelopes. Monthly Notices of the Royal Astronomical Society, 2004, 350, 277-286.	4.4	74

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91	Constraining Solar Abundances Using Helioseismology. <i>Astrophysical Journal</i> , 2004, 606, L85-L88.	4.5	237
92	Ring Diagram Analysis of the Structure of Solar Active Regions. <i>Astrophysical Journal</i> , 2004, 610, 1157-1168.	4.5	91
93	Flare-Induced Excitation of Solar p modes. <i>Solar Physics</i> , 2003, 218, 151-172.	2.5	15
94	Does the Sun Shrink with Increasing Magnetic Activity?. <i>Astrophysical Journal</i> , 2003, 590, 567-572.	4.5	35
95	Changes in Solar Dynamics from 1995 to 2002. <i>Astrophysical Journal</i> , 2003, 585, 553-565.	4.5	155
96	On variation of the latitudinal structure of the solar convection zone. <i>Astronomy and Astrophysics</i> , 2003, 399, 329-336.	5.1	34
97	Solar Interior and Seismology. <i>Lecture Notes in Physics</i> , 2003, , 80-126.	0.7	0
98	Helioseismic limit on heavy element abundance. <i>Astronomy and Astrophysics</i> , 2002, 393, L95-L98.	5.1	8
99	Seismic view of the solar interior. <i>Journal of Astrophysics and Astronomy</i> , 2002, 23, 3-8.	1.0	1
100	Seismic tests for solar models with tachocline mixing. <i>Astronomy and Astrophysics</i> , 2002, 391, 725-739.	5.1	49
101	Seismic study of stellar convective cores. <i>Astronomy and Astrophysics</i> , 2001, 377, 192-205.	5.1	42
102	Spatially-resolved Analysis of the Upper Convection Zone. <i>Symposium - International Astronomical Union</i> , 2001, 203, 183-185.	0.1	1
103	Ring Diagram Analysis of the Characteristics of Solar Oscillation Modes in Active Regions. <i>Astrophysical Journal</i> , 2001, 563, 410-418.	4.5	53
104	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
105	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
106	Global oscillation analysis of solar neutrino data with helioseismically constrained fluxes. <i>Physical Review D</i> , 2001, 64, .	4.7	8
107	Seismic detection of stellar tachoclines. <i>Astronomy and Astrophysics</i> , 2001, 368, L8-L12.	5.1	14
108	Temporal Variations of the Solar Rotation Rate at High Latitudes. <i>Astrophysical Journal</i> , 2001, 559, L67-L70.	4.5	77

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109	Temporal Variations of the Rotation Rate in the Solar Interior. <i>Astrophysical Journal</i> , 2000, 541, 442-448.	4.5	104
110	Helioseismic search for magnetic field in the solar interior. <i>Journal of Astrophysics and Astronomy</i> , 2000, 21, 343-347.	1.0	2
111	Temporal variation of large scale flows in the solar interior. <i>Journal of Astrophysics and Astronomy</i> , 2000, 21, 353-356.	1.0	3
112	Effect of Asymmetry in Peak Profiles on Solar Oscillation Frequencies. <i>Astrophysical Journal</i> , 2000, 531, 1088-1093.	4.5	10
113	Helioseismic Search for Magnetic Field in the Solar Interior. <i>International Astronomical Union Colloquium</i> , 2000, 179, 343-347.	0.1	0
114	Solar Cycle Variation in Solar F-Mode Frequencies and Radius. , 2000, , 459-468.		0
115	Solar Cycle Variations of Large-Scale Flows in the Sun. , 2000, , 469-480.		2
116	Possible Solar Cycle Variations in the Convection Zone. , 2000, , 449-458.		1
117	Temporal Variation of Large Scale Flows in the Solar Interior. <i>International Astronomical Union Colloquium</i> , 2000, 179, 353-356.	0.1	0
118	Can Naked Singularities Yield Gamma-ray Bursts?. <i>General Relativity and Gravitation</i> , 1999, 31, 1675-1680.	2.0	1
119	High-Frequency and High-Wavenumber Solar Oscillations. <i>Astrophysical Journal</i> , 1999, 519, 400-406.	4.5	21
120	Ring Diagram Analysis of Near-Surface Flows in the Sun. <i>Astrophysical Journal</i> , 1999, 512, 458-470.	4.5	96
121	Large-Scale Flows in the Solar Interior: Effect of Asymmetry in Peak Profiles. <i>Astrophysical Journal</i> , 1999, 525, 517-523.	4.5	38
122	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
123	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
124	Helioseismology and the Solar Neutrino Problem. <i>Symposium - International Astronomical Union</i> , 1998, 185, 41-42.	0.1	0
125	What do Solar F-Mode Frequencies Tell US?. , 1998, , 165-166.		0
126	Helioseismology and the Solar Neutrino Problem. , 1998, , 41-42.		0



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127	Helioseismic models and solar neutrino fluxes. Monthly Notices of the Royal Astronomical Society, 1997, 289, L1-L4.	4.4	18
128	Seismic measurement of the depth of the solar convection zone. Monthly Notices of the Royal Astronomical Society, 1997, 287, 189-198.	4.4	218
129	Effect of Turbulent Pressure on Solar Oscillation Frequencies. Astrophysics and Space Science Library, 1997, , 51-54.	2.7	5
130	The Seismic Structure of the Sun from Gong. , 1997, , 151-158.		0
131	The Current State of Solar Modeling. Science, 1996, 272, 1286-1292.	12.6	957
132	The Solar Acoustic Spectrum and Eigenmode Parameters. Science, 1996, 272, 1292-1295.	12.6	131
133	The Seismic Structure of the Sun. Science, 1996, 272, 1296-1300.	12.6	210
134	Differential Rotation and Dynamics of the Solar Interior. Science, 1996, 272, 1300-1305.	12.6	326
135	Stability of naked singularities in spherically symmetric dust collapse. Physical Review D, 1996, 53, 3472-3473.	4.7	3
136	Effects of surface layers on helioseismic inversion. Monthly Notices of the Royal Astronomical Society, 1995, 274, 499-503.	4.4	14
137	Helioseismic bounds in the central temperature of the Sun. Astrophysical Journal, 1995, 442, 434.	4.5	25
138	Seismology of the Solar f-Mode. I. Basic Signatures of Shearing Velocity Fields. Astrophysical Journal, 1995, 451, 851.	4.5	19
139	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
140	Helioseismic measurement of the extent of overshoot below the solar convection zone. Monthly Notices of the Royal Astronomical Society, 1994, 267, 209-224.	4.4	96
141	Seismology of the solar convection zone. Journal of Astrophysics and Astronomy, 1994, 15, 143-156.	1.0	21
142	Measuring the helium abundance in the solar envelope: The role of the equation of state. Astrophysical Journal, 1994, 426, 801.	4.5	49
143	Discrete cellular scales of solar convection. Solar Physics, 1993, 145, 227-239.	2.5	3
144	Rational Function Approximations for Fermi-Dirac Integrals. Astrophysical Journal, Supplement Series, 1993, 84, 101.	7.7	60

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145	Theoretical spectrum of solar convection. , 1991, , 157-162.		0
146	A Model for Stellar Convection and Spectral Line Asymmetries. Symposium - International Astronomical Union, 1990, 138, 417-420.	0.1	0
147	A model for stellar surface convection and photospheric line asymmetries. Astrophysical Journal, 1989, 341, 1097.	4.5	1
148	On the Excitation of Solar Five-Minute Oscillations. , 1988, , 371-374.		4
149	New limits to bias and the amount of dark matter in the universe. Astrophysical Journal, 1987, 315, L1.	4.5	5
150	Solar five-minute oscillations of low, intermediate, and high degree. Astrophysics and Space Science, 1986, 118, 169-172.	1.4	2
151	Solar Five-minute Oscillations of Low, Intermediate, and High Degree. , 1986, , 169-172.		0
152	Convection in the envelopes of red giants. Astrophysical Journal, 1984, 282, 574.	4.5	28
153	Influence of turbulent pressure on solar convective modes. Monthly Notices of the Royal Astronomical Society, 1983, 204, 865-881.	4.4	10
154	Overstability of acoustic modes and the solar five-minute oscillations. Solar Physics, 1982, 77, 303-327.	2.5	31
155	Consistency of the mixing length theory. Astrophysical Journal, 1982, 262, 358.	4.5	17
156	Granulation and supergranulation as convective modes in the solar envelope. Solar Physics, 1981, 70, 67-91.	2.5	22
157	Stability of a steady vertical flow in a viscous fluid. Solar Physics, 1980, 66, 71-78.	2.5	0
158	Thermodynamics of a system of leptons, photons and interacting nucleons. Astrophysics and Space Science, 1980, 69, 471-483.	1.4	2
159	Stability of magneto-acoustic waves in a thermally conducting compressible fluid. Astrophysics and Space Science, 1980, 68, 183-200.	1.4	0
160	Instabilities in a polytropic atmosphere. , 1980, , 15-15.		0
161	Validity of the linearized theory for complete viscous polytropes. Monthly Notices of the Royal Astronomical Society, 1979, 186, 491-494.	4.4	0
162	Waves in the sunspot umbra. Solar Physics, 1979, 63, 67-78.	2.5	37

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163	Instabilities in a penetrative atmosphere. <i>Astrophysics and Space Science</i> , 1979, 63, 103-115.	1.4	3
164	Waves in the sunspot penumbra. <i>Solar Physics</i> , 1978, 60, 31-46.	2.5	10
165	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
166	Helium abundance in the solar envelope. <i>Monthly Notices of the Royal Astronomical Society</i> , 0, , .	4.4	11