Dipankar Banerjee

List of Publications by Year
in descending order

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134	3,116	136950	214800
papers	citations	32 h-index	47 g-index

137	137	137	1270
all docs	docs citations	times ranked	citing authors

#	Article	IF	Citations
1	Present and Future Observing Trends in Atmospheric Magnetoseismology. Solar Physics, 2007, 246, 3-29.	2.5	205
2	Generation of solar spicules and subsequent atmospheric heating. Science, 2019, 366, 890-894.	12.6	102
3	Signatures of AlfvÃ©n waves in the polar coronal holes as seen by EIS/Hinode. Astronomy and Astrophysics, 2009, 501, L15-L18.	5.1	100
4	Solar coronal magnetic fields derived using seismology techniques applied to omnipresent sunspot waves. Nature Physics, 2016, 12, 179-185.	16.7	77
5	Active region oscillations. Astronomy and Astrophysics, 2001, 368, 1095-1107.	5.1	73
6	Transition region small-scale dynamics as seen by SUMER on SOHO. Astronomy and Astrophysics, 2004, 427, 1065-1074.	5.1	69
7	An EUV Bright Point as seen by SUMER, CDS, MDI and EIT on-board SoHO. Astronomy and Astrophysics, 2003, 398, 775-784.	5.1	67
8	Coronal line-width variations. Solar Physics, 1998, 181, 91-101.	2.5	62
9	Propagating MHD Waves in Coronal Holes. Space Science Reviews, 2011, 158, 267-288.	8.1	59
10	Oscillations in Chromospheric Network Bright Points. Astrophysical Journal, 1997, 486, L145-L148.	4.5	53
11	FREQUENCY-DEPENDENT DAMPING IN PROPAGATING SLOW MAGNETO-ACOUSTIC WAVES. Astrophysical Journal, 2014, 789, 118.	4.5	52
12	Propagating waves in polar coronal holes as seen by SUMER & EIS. Astronomy and Astrophysics, 2009, 499, L29-L32.	5.1	51
13	Omnipresent long-period intensity oscillations in open coronal structures. Astronomy and Astrophysics, 2012, 546, A50.	5.1	50
14	Propagating intensity disturbances in polar corona as seen from AIA/SDO. Astronomy and Astrophysics, 2011, 528, L4.	5.1	48
15	Energy transport to the solar corona by magnetic kink waves. Astrophysical Journal, 1993, 413, 811.	4.5	48
16	Visible Emission Line Coronagraph on Aditya-L1. Current Science, 2017, 113, 613.	0.8	46
17	Long-Period Oscillations in Polar Plumes as Observed by cds on Soho. Solar Physics, 2000, 196, 63-78.	2.5	45
18	ACCELERATING WAVES IN POLAR CORONAL HOLES AS SEEN BY EIS AND SUMER. Astrophysical Journal, 2010, 718, 11-22.	4.5	45

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19	Sunspot area catalog revisited: Daily cross-calibrated areas since 1874. Astronomy and Astrophysics, 2020, 640, A78.	5.1	45
20	Kodaikanal digitized white-light data archive (1921â€“2011): Analysis of various solar cycle features. Astronomy and Astrophysics, 2017, 601, A106.	5.1	42
21	Magnetohydrodynamic Waves in Open Coronal Structures. Space Science Reviews, 2021, 217, 1.	8.1	41
22	Signatures of very long period waves in the polar coronal holes. Astronomy and Astrophysics, 2001, 380, L39-L42.	5.1	40
23	POLAR NETWORK INDEX AS A MAGNETIC PROXY FOR THE SOLAR CYCLE STUDIES. Astrophysical Journal Letters, 2014, 793, L4.	8.3	39
24	FORWARD MODELING OF STANDING SLOW MODES IN FLARING CORONAL LOOPS. Astrophysical Journal, 2015, 807, 98.	4.5	38
25	The nature of network oscillations. Astronomy and Astrophysics, 2001, 371, 1137-1149.	5.1	38
26	A BUTTERFLY DIAGRAM AND CARRINGTON MAPS FOR CENTURY-LONG Ca ii K SPECTROHELIOGRAMS FROM THE KODAIKANAL OBSERVATORY. Astrophysical Journal, 2016, 827, 87.	4.5	36
27	Double Peaks of the Solar Cycle: An Explanation from a Dynamo Model. Astrophysical Journal, 2018, 866, 17.	4.5	36
28	Evidence for wave harmonics in cool loops. Astronomy and Astrophysics, 2007, 473, L13-L16.	5.1	36
29	Polar Plumes and Inter-plume regions as observed by SUMER on SOHO. Solar Physics, 2000, 194, 43-58.	2.5	34
30	Long period oscillations in the inter-plume regions of the Sun. Astronomy and Astrophysics, 2001, 377, 691-700.	5.1	34
31	Variation of coronal line widths on and off the disk. Astronomy and Astrophysics, 2003, 400, 1065-1070.	5.1	33
32	A statistical study of wave propagation in coronal holes. Astronomy and Astrophysics, 2007, 463, 713-725.	5.1	32
33	Analysis of full-disc Ca II K spectroheliograms. Astronomy and Astrophysics, 2020, 639, A88.	5.1	32
34	Statistical Study of Network Jets Observed in the Solar Transition Region: a Comparison Between Coronal Holes and Quiet-Sun Regions. Solar Physics, 2016, 291, 1129-1142.	2.5	31
35	On the widths and ratios of Mgâ€‰X 609.79 and 624.94 Ã…â€€lines in polar off-limb regions. Astronomy and Astrophysics, 2005, 436, L35-L38.	5.1	31
36	On the Observations of Rapid Forced Reconnection in the Solar Corona. Astrophysical Journal, 2019, 887, 137.	4.5	29

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37	FORWARD MODELING OF PROPAGATING SLOW WAVES IN CORONAL LOOPS AND THEIR FREQUENCY-DEPENDENT DAMPING. Astrophysical Journal, 2016, 820, 13.	4.5	28
38	Plasma condensation in coronal loops. Astronomy and Astrophysics, 2007, 475, L25-L28.	5.1	28
39	Magnetoacoustic wave propagation in off-limb polar regions. Astronomy and Astrophysics, 2006, 452, 1059-1068.	5.1	27
40	The dynamical behaviour of a jet in an on-disk coronal hole observed with AIA/SDO. Astronomy and Astrophysics, 2014, 562, A98.	5.1	27
41	PROPAGATING DISTURBANCES IN THE SOLAR CORONA AND SPICULAR CONNECTION. Astrophysical Journal Letters, 2015, 815, L16.	8.3	27
42	OBSERVATIONS OF OPPOSITELY DIRECTED UMBRAL WAVEFRONTS ROTATING IN SUNSPOTS OBTAINED FROM THE NEW SOLAR TELESCOPE OF BBSO. Astrophysical Journal, 2016, 817, 117.	4.5	27
43	Oscillations in Active Region Fan Loops: Observations from EIS/Hinode and AIA/SDO. Solar Physics, 2012, 281, 67.	2.5	26
44	Spectroscopic observations of propagating disturbances in a polar coronal hole: evidence of slow magneto-acoustic waves. Astronomy and Astrophysics, 2012, 546, A93.	5.1	26
45	Correlation Between Decay Rate and Amplitude of Solar Cycles as Revealed from Observations and Dynamo Theory. Solar Physics, 2015, 290, 1851-1870.	2.5	26
46	REFLECTION OF PROPAGATING SLOW MAGNETO-ACOUSTIC WAVES IN HOT CORONAL LOOPS: MULTI-INSTRUMENT OBSERVATIONS AND NUMERICAL MODELING. Astrophysical Journal, 2016, 828, 72.	4.5	26
47	Waves in the solar transition region. Solar Physics, 1998, 181, 51-71.	2.5	25
48	Magnetic Field Dependence of Bipolar Magnetic Region Tilts on the Sun: Indication of Tilt Quenching. Astrophysical Journal Letters, 2020, 889, L19.	8.3	25
49	DYNAMICS OF ON-DISK PLUMES AS OBSERVED WITH THE INTERFACE REGION IMAGING SPECTROGRAPH, THE ATMOSPHERIC IMAGING ASSEMBLY, AND THE HELIOSEISMIC AND MAGNETIC IMAGER. Astrophysical Journal, 2015, 807, 71.	4.5	24
50	JETS IN POLAR CORONAL HOLES. Astrophysical Journal, 2009, 704, 1385-1395.	4.5	23
51	SUNSPOT SIZES AND THE SOLAR CYCLE: ANALYSIS USING KODAIKANAL WHITE-LIGHT DIGITIZED DATA. Astrophysical Journal Letters, 2016, 830, L33.	8.3	23
52	Diagnostics of a Coronal Hole and the Adjacent Quiet Sun by The Hinode/EUV Imaging Spectrometer (EIS). Solar Physics, 2015, 290, 2889-2908.	2.5	22
53	Plasma Heating Induced by Tadpole-like Downflows in the Flaring Solar Corona. Innovation(China), 2021, 2, 100083.	9.1	22
54	Digitized archive of the Kodaikanal images: Representative results of solar cycle variation from sunspot area determination. Astronomy and Astrophysics, 2013, 550, A19.	5.1	21

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55	Spectroscopic Observation of Oscillations in the Corona During the Total Solar Eclipse of 22 July 2009. Solar Physics, 2011, 270, 213-233.	2.5	20
56	Dynamics of Subarcsecond Bright Dots in the Transition Region above Sunspots and Their Relation to Penumbral Micro-jets. Astrophysical Journal Letters, 2017, 835, L19.	8.3	20
57	Long-term Study of the Solar Filaments from the Synoptic Maps as Derived from Spectroheliograms of the Kodaikanal Observatory. Astrophysical Journal, 2017, 849, 44.	4.5	20
58	Very long period activity at the base of solar wind streams. Astronomy and Astrophysics, 2005, 442, 1087-1090.	5.1	20
59	Dynamics of Coronal Bright Points as Seen by Sun Watcher Using Active Pixel System Detector and Image Processing (SWAP), Atmospheric Imaging Assembly (AIA), and Helioseismic and Magnetic Imager (HMI). Solar Physics, 2013, 286, 125-142.	2.5	19
60	AUTOMATED DETECTION OF CORONAL MASS EJECTIONS IN STEREO HELIOSPHERIC IMAGER DATA. Astrophysical Journal, 2016, 833, 80.	4.5	19
61	Latitude Distribution of Sunspots: Analysis Using Sunspot Data and a Dynamo Model. Astrophysical Journal, 2017, 851, 70.	4.5	19
62	Connecting 3D Evolution of Coronal Mass Ejections to Their Source Regions. Astrophysical Journal, 2020, 899, 6.	4.5	19
63	Variation of Supergranule Parameters with Solar Cycles: Results from Century-long Kodaikanal Digitized Ca ii K Data. Astrophysical Journal, 2017, 841, 70.	4.5	18
64	Delving into the Historical Ca ii K Archive from the Kodaikanal Observatory: The Potential of the Most Recent Digitized Series. Solar Physics, 2019, 294, 1.	2.5	18
65	Nature of Quiet Sun Oscillations Using Data from the Hinode, TRACE, and SOHO Spacecraft. Solar Physics, 2013, 282, 67-86.	2.5	17
66	Characteristics of polar coronal hole jets. Astronomy and Astrophysics, 2014, 561, A104.	5.1	17
67	The Influence of a Vertical Magnetic Field on Oscillations in an Isothermal Stratified Atmosphere. II.. Astrophysical Journal, 1995, 451, 825.	4.5	17
68	A statistical study of plasmoids associated with a post-CME current sheet. Astronomy and Astrophysics, 2020, 644, A158.	5.1	17
69	Simultaneous Longitudinal and Transverse Oscillations in an Active-Region Filament. Solar Physics, 2016, 291, 3303-3315.	2.5	16
70	Association of Plages with Sunspots: A Multi-Wavelength Study Using Kodaikanal Ca ii K and Greenwich Sunspot Area Data. Astrophysical Journal, 2017, 835, 158.	4.5	16
71	On the statistical detection of propagating waves in polar coronal holes. Astronomy and Astrophysics, 2009, 493, 251-257.	5.1	15
72	Triggering The Birth of New Cycleâ€™s Sunspots by Solar Tsunami. Scientific Reports, 2019, 9, 2035.	3.3	15

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73	FLOWS AND WAVES IN BRAIDED SOLAR CORONAL MAGNETIC STRUCTURES. Astrophysical Journal Letters, 2015, 801, L2.	8.3	14
74	Transverse Oscillations in a Coronal Loop Triggered by a Jet. Solar Physics, 2016, 291, 3269-3288.	2.5	14
75	Detection of High-Frequency Oscillations and Damping from Multi-slit Spectroscopic Observations of the Corona. Solar Physics, 2016, 291, 155-174.	2.5	14
76	First Imaging Observation of Standing Slow Wave in Coronal Fan Loops. Astrophysical Journal Letters, 2017, 847, L5.	8.3	14
77	INTERFERENCE OF THE RUNNING WAVES AT LIGHT BRIDGES OF A SUNSPOT. Astrophysical Journal, 2016, 816, 30.	4.5	13
78	UNRAVELLING THE COMPONENTS OF A MULTI-THERMAL CORONAL LOOP USING MAGNETOHYDRODYNAMIC SEISMOLOGY. Astrophysical Journal, 2017, 834, 103.	4.5	13
79	Measurements of Solar Differential Rotation Using the Century Long Kodaikanal Sunspot Data. Solar Physics, 2021, 296, 1.	2.5	13
80	Blinker/macro-spicule activity in an off-limb polar region. Astronomy and Astrophysics, 2005, 436, L43-L46.	5.1	13
81	The Solar Ultraviolet Imaging Telescope On-Board Aditya-L1. Current Science, 2017, 113, 616.	0.8	13
82	MHD Seismology of a loop-like filament tube by observed kink waves. Research in Astronomy and Astrophysics, 2015, 15, 1713-1724.	1.7	12
83	QUASI-PERIODIC OSCILLATION OF A CORONAL BRIGHT POINT. Astrophysical Journal, 2015, 806, 172.	4.5	12
84	Can the long-term hemispheric asymmetry of solar activity result from fluctuations in dynamo parameters?. Astronomy and Astrophysics, 2019, 625, A37.	5.1	12
85	Timeâ€Latitude Distribution of Prominences for 10 Solar Cycles: A Study Using Kodaikanal, Meudon, and Kanzelhohe Data. Earth and Space Science, 2020, 7, e2019EA000666.	2.6	12
86	Migration of Solar Polar Crown Filaments in the Past 100 Years. Astrophysical Journal, 2021, 909, 86.	4.5	12
87	SOLAR ACTIVE LONGITUDES FROM KODAIKANAL WHITE-LIGHT DIGITIZED DATA. Astrophysical Journal, 2017, 835, 62.	4.5	11
88	Simultaneous longitudinal and transverse oscillations in filament threads after a failed eruption. Astronomy and Astrophysics, 2020, 633, A12.	5.1	11
89	On the theory of MAG waves and a comparison with sunspot observations from CDS/SoHO. Astronomy and Astrophysics, 2002, 395, 263-277.	5.1	11
90	Onboard Automated CME Detection Algorithm for the Visible Emission Line Coronagraph on ADITYA-L1. Solar Physics, 2018, 293, 1.	2.5	10

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91	Study of Sunspot Penumbra to Umbra Area Ratio Using Kodaikanal White-light Digitised Data. Solar Physics, 2019, 294, 1.	2.5	10
92	Automated Detection of Accelerating Solar Eruptions Using Parabolic Hough Transform. Solar Physics, 2021, 296, 1.	2.5	10
93	A Simple Radial Gradient Filter for Batch-Processing of Coronagraph Images. Solar Physics, 2022, 297, 1.	2.5	10
94	Evolution of the Sunâ€™s activity and the poleward transport of remnant magnetic flux in Cycles 21â€“24. Monthly Notices of the Royal Astronomical Society, 2021, 510, 1331-1339.	4.4	10
95	Twisting/Swirling Motions during a Prominence Eruption as Seen from SDO/AIA. Astrophysical Journal, 2018, 860, 80.	4.5	9
96	Long-term Evolution of the Sunâ€™s Magnetic Field during Cycles 15â€“19 Based on Their Proxies from Kodaikanal Solar Observatory. Astrophysical Journal Letters, 2020, 902, L15.	8.3	9
97	Deciphering Solar Magnetic Activity: 140 Years of the â€˜Extended Solar Cycleâ€™ â€“ Mapping the Hale Cycle. Solar Physics, 2021, 296, 1.	2.5	9
98	Effect of Newtonian Cooling on Waves in a Magnetized Isothermal Atmosphere. Solar Physics, 1997, 172, 53-60.	2.5	8
99	Intensity Oscillation in the Corona as Observed duringÂthe Total Solar Eclipse of 29 March 2006. Solar Physics, 2009, 260, 125-134.	2.5	8
100	The Solar Ultraviolet Imaging Telescope onboard Aditya-L1. Proceedings of SPIE, 2016, , .	0.8	8
101	Investigating Width Distribution of Slow and Fast CMEs in Solar Cycles 23 and 24. Frontiers in Astronomy and Space Sciences, 2021, 8, .	2.8	8
102	A Statistical Study on the Frequency-dependent Damping of the Slow-mode Waves in Polar Plumes and Interplumes. Astrophysical Journal, 2018, 853, 134.	4.5	7
103	Signature of Extended Solar Cycles as Detected from Ca ii K Synoptic Maps of Kodaikanal and Mount Wilson Observatory. Astrophysical Journal Letters, 2019, 874, L4.	8.3	7
104	An Insight into the Coupling of CME Kinematics in Inner and Outer Corona and the Imprint of Source Regions. Astrophysical Journal, 2021, 919, 115.	4.5	7
105	Solar Cycle Evolution of Filaments over a Century: Investigations with the Meudon and McIntosh Hand-drawn Archives. Astrophysical Journal, 2021, 919, 125.	4.5	7
106	The extent of 3-min oscillations in regions other than sunspot plumes. Astronomy and Astrophysics, 2005, 444, 585-592.	5.1	7
107	Transition region counterpart of a moving magnetic feature. Astronomy and Astrophysics, 2006, 460, 597-604.	5.1	7
108	A study of a macro-spicule and a transition region explosive event in a solar coronal hole. Advances in Space Research, 2007, 40, 1021-1025.	2.6	6

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109	Propagating disturbances along fan-like coronal loops in an active region. Research in Astronomy and Astrophysics, 2015, 15, 1832-1842.	1.7	6
110	Variation of Emission Line Width in Mid- and High-Latitude Corona. Solar Physics, 2013, 282, 427-442.	2.5	5
111	Association of Supergranule Mean Scales with Solar Cycle Strengths and Total Solar Irradiance. Astrophysical Journal, 2017, 844, 24.	4.5	5
112	The Inner Coronagraph on Board ADITYA-L1 and Automatic Detection of CMEs. Proceedings of the International Astronomical Union, 2017, 13, 340-343.	0.0	5
113	Long-term variation of sunspot penumbra to umbra area ratio. Proceedings of the International Astronomical Union, 2018, 13, 185-186.	0.0	5
114	The Extended Solar Cycle: Muddying the Waters of Solar/Stellar Dynamo Modeling or Providing Crucial Observational Constraints?. Frontiers in Astronomy and Space Sciences, 2018, 5, .	2.8	5
115	Multi-wavelength study of a high velocity event near a sunspot. Astronomy and Astrophysics, 2006, 450, 1181-1188.	5.1	5
116	THE EFFECTS OF TRANSIENTS ON PHOTOSPHERIC AND CHROMOSPHERIC POWER DISTRIBUTIONS. Astrophysical Journal, 2016, 828, 23.	4.5	4
117	High-Frequency Dynamics of Active Region Moss as Observed by IRIS. Frontiers in Astronomy and Space Sciences, 2019, 6, .	2.8	3
118	Coronal oscillations in the vicinity of a sunspot as observed by GIS/CDS. Astronomy and Astrophysics, 2005, 434, 751-759.	5.1	3
119	Long-period oscillations in polar coronal holes as observed by CDS on SOHO. COSPAR Colloquia Series, 2002, , 19-22.	0.2	2
120	Association of Calcium Network Bright Points with Underneath Photospheric Magnetic Patches. Solar Physics, 2019, 294, 1.	2.5	2
121	Propagating disturbances along a coronal loop from simultaneous EUV imaging and spectroscopic observations. Research in Astronomy and Astrophysics, 2015, 15, 1027-1035.	1.7	1
122	Automated detection of Coronal Mass Ejections in Visible Emission Line Coronagraph (VELC) on-board ADITYA-L1. Proceedings of the International Astronomical Union, 2018, 13, 171-172.	0.0	1
123	Characterizing Spectral Channels of Visible Emission Line Coronagraph of Aditya-L1. Frontiers in Astronomy and Space Sciences, 2021, 8, .	2.8	1
124	The Influence of a Magnetic Field on Radiative Damping of Magnetoatmospheric Oscillations. , 1998, , 423-426.		1
125	The Influence of A Magnetic Field on Radiative Damping of Magnetoatmospheric Oscillations. Symposium - International Astronomical Union, 1998, 185, 423-426.	0.1	0
126	Long period oscillations in the polar plumes. AIP Conference Proceedings, 2000, , .	0.4	0

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127	Long Period Oscillations in Polar Plumes as Observed by CDS on SoHO. Symposium - International Astronomical Union, 2001, 203, 244-246.	0.1	0
128	SUMER Observations of the Solar Transition Region: Spatial and Temporal Behaviour. Symposium - International Astronomical Union, 2001, 203, 425-427.	0.1	0
129	Observational review on global waves. Proceedings of the International Astronomical Union, 2007, 3, 369-376.	0.0	0
130	An Overview of Science Results Obtained From Kodaikanal Digitized White-Light Data Archive: 1921-2011. Proceedings of the International Astronomical Union, 2018, 13, 196-197.	0.0	0
131	Association of calcium network brightness with polar magnetic fields. Proceedings of the International Astronomical Union, 2018, 13, 198-199.	0.0	0
132	Dynamics of Coronal Bright Points as Seen by Sun Watcher Using Active Pixel System Detector and Image Processing (SWAP), Atmospheric Imaging Assembly (AIA), and Helioseismic and Magnetic Imager (HMI). , 2012, , 125-142.		0
133	The Influence of Radiative Damping on the Modes of a Magnetized Isothermal Atmosphere. Astrophysics and Space Science Library, 1997, , 277-280.	2.7	0
134	National Large Solar Telescope. Current Science, 2017, 113, 696.	0.8	0