Sami K Solanki

List of Publications by Year
in descending order

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		8755	15732
539	24,270	75	125
papers	citations	h-index	g-index

552	552	552	8053
all docs	docs citations	times ranked	citing authors

#	Article	IF	Citations
1	DENDROCHRONOLOGY AND RADIOCARBON DATING. Radiocarbon, 2022, 64, 569-588.	1.8	5
2	A solar coronal loop in a box: Energy generation and heating. Astronomy and Astrophysics, 2022, 658, A45.	5.1	13
3	Magnetized supersonic downflows in the chromosphere. Astronomy and Astrophysics, 2022, 661, A122.	5.1	2
4	Multiwavelength Mitigation of Stellar Activity in Astrometric Planet Detection. Astronomical Journal, 2022, 163, 205.	4.7	4
5	Small-scale dynamo in cool stars. Astronomy and Astrophysics, 2022, 663, A166.	5.1	11
6	Observing and modelling the young solar analogue EK Draconis: starspot distribution, elemental abundances, and evolutionary status. Monthly Notices of the Royal Astronomical Society, 2021, 502, 3343-3356.	4.4	10
7	Predictions of Astrometric Jitter for Sun-like Stars. I. The Model and Its Application to the Sun as Seen from the Ecliptic. Astrophysical Journal, 2021, 908, 223.	4.5	6
8	Coronal Heating and Solar Wind Formation in Quiet Sun and Coronal Holes: A Unified Scenario. Astrophysical Journal, 2021, 908, 28.	4.5	9
9	Where Have All the Solar-like Stars Gone? Rotation Period Detectability at Various Inclinations and Metallicities. Astrophysical Journal Letters, 2021, 908, L21.	8.3	10
10	Sunspot Simulations: Penumbra Formation and the Fluting Instability. Astrophysical Journal, 2021, 907, 102.	4.5	6
11	The influence of NLTE effects in Fe I lines on an inverted atmosphere. Astronomy and Astrophysics, 2021, 647, A46.	5.1	7
12	Forward modelling of Kepler-band variability due to faculae and spots. Monthly Notices of the Royal Astronomical Society, 2021, 504, 4751-4767.	4.4	12
13	Solar cyclic activity over the last millennium reconstructed from annual ¹⁴C data. Astronomy and Astrophysics, 2021, 649, A141.	5.1	47
14	First light observations of the solar wind in the outer corona with the Metis coronagraph. Astronomy and Astrophysics, 2021, 656, A32.	5.1	32
15	Modeling Stellar Ca ii H and K Emission Variations. I. Effect of Inclination on the S-index. Astrophysical Journal, 2021, 914, 21.	4.5	9
16	Modelling the evolution of the Sunâ€™s open and total magnetic flux. Astronomy and Astrophysics, 2021, 650, A70.	5.1	15
17	Radiative Transfer with Opacity Distribution Functions: Application to Narrowband Filters. Astrophysical Journal, Supplement Series, 2021, 255, 3.	7.7	4
18	How rare are counter Evershed flows?. Astronomy and Astrophysics, 2021, 651, L1.	5.1	2

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19	The relationship between bipolar magnetic regions and their sunspots. Astronomy and Astrophysics, 2021, 654, A28.	5.1	5
20	On the size distribution of spots within sunspot groups. Astronomy and Astrophysics, 2021, 652, A9.	5.1	8
21	Slow magneto-acoustic waves in simulations of a solar plage region carry enough energy to heat the chromosphere. Astronomy and Astrophysics, 2021, 652, A43.	5.1	4
22	Correction of atmospheric stray light in restored slit spectra. Astronomy and Astrophysics, 2021, 653, A17.	5.1	1
23	Reconstructing solar irradiance from historical Ca II K observations. Astronomy and Astrophysics, 2021, 656, A104.	5.1	13
24	MPS-ATLAS: A fast all-in-one code for synthesising stellar spectra. Astronomy and Astrophysics, 2021, 653, A65.	5.1	19
25	A Multiâ€Purpose Heliophysics L4 Mission. Space Weather, 2021, 19, e2021SW002777.	3.7	15
26	Tiâ€¯I lines at 2.2 Î¼m as probes of the cooler regions of sunspots. Astronomy and Astrophysics, 2021, 653, A91.	5.1	0
27	Predictions of Astrometric Jitter for Sun-like Stars. II. Dependence on Inclination, Metallicity, and Active-region Nesting. Astrophysical Journal, 2021, 919, 94.	4.5	9
28	Eleven-year solar cycles over the last millennium revealed by radiocarbon in tree rings. Nature Geoscience, 2021, 14, 10-15.	12.9	97
29	Vortex flow properties in simulations of solar plage region: Evidence for their role in chromospheric heating. Astronomy and Astrophysics, 2021, 645, A3.	5.1	24
30	Capturing transient plasma flows and jets in the solar corona. Astronomy and Astrophysics, 2021, 656, L13.	5.1	14
31	First observations from the SPICE EUV spectrometer on Solar Orbiter. Astronomy and Astrophysics, 2021, 656, A38.	5.1	8
32	Similarities of magnetoconvection in the umbra and in the penumbra of sunspots. Astronomy and Astrophysics, 2021, 655, A61.	5.1	4
33	Propagating brightenings in small loop-like structures in the quiet-Sun corona: Observations from Solar Orbiter/EUI. Astronomy and Astrophysics, 2021, 656, L16.	5.1	17
34	Understanding the origins of the heliosphere: integrating observations and measurements from Parker Solar Probe, Solar Orbiter, and other space- and ground-based observatories. Astronomy and Astrophysics, 2020, 642, A4.	5.1	35
35	The Dimmest State of the Sun. Geophysical Research Letters, 2020, 47, e2020GL090243.	4.0	24
36	The Polarimetric and Helioseismic Imager on Solar Orbiter. Astronomy and Astrophysics, 2020, 642, A11.	5.1	121

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37	The Solar Orbiter mission. Astronomy and Astrophysics, 2020, 642, A1.	5.1	514
38	The Solar Orbiter SPICE instrument. Astronomy and Astrophysics, 2020, 642, A14.	5.1	82
39	Inflection point in the power spectrum of stellar brightness variations. Astronomy and Astrophysics, 2020, 636, A69.	5.1	11
40	Analysis of full-disc Ca II K spectroheliograms. Astronomy and Astrophysics, 2020, 639, A88.	5.1	32
41	Power spectra of solar brightness variations at various inclinations. Astronomy and Astrophysics, 2020, 636, A43.	5.1	19
42	Connecting measurements of solar and stellar brightness variations. Astronomy and Astrophysics, 2020, 638, A56.	5.1	13
43	Sunspot area catalog revisited: Daily cross-calibrated areas since 1874. Astronomy and Astrophysics, 2020, 640, A78.	5.1	45
44	Historical solar Ca II K observations at the Kyoto and Sacramento Peak observatories. Journal of Physics: Conference Series, 2020, 1548, 012007.	0.4	6
45	The influence of NLTE effects in Feâ€¯I lines on an inverted atmosphere. Astronomy and Astrophysics, 2020, 633, A157.	5.1	17
46	Connecting the Wilson depression to the magnetic field of sunspots. Astronomy and Astrophysics, 2020, 635, A202.	5.1	4
47	Solar-cycle irradiance variations over the last four billion years. Astronomy and Astrophysics, 2020, 636, A83.	5.1	9
48	Simulations Show that Vortex Flows Could Heat the Chromosphere in Solar Plage. Astrophysical Journal Letters, 2020, 894, L17.	8.3	26
49	Detection of the Strongest Magnetic Field in a Sunspot Light Bridge. Astrophysical Journal, 2020, 895, 129.	4.5	24
50	3D Radiative MHD Simulations of Starspots. Astrophysical Journal, 2020, 893, 113.	4.5	20
51	Inflection point in the power spectrum of stellar brightness variations. Astronomy and Astrophysics, 2020, 633, A32.	5.1	25
52	The Sun is less active than other solar-like stars. Science, 2020, 368, 518-521.	12.6	70
53	Models and data analysis tools for the Solar Orbiter mission. Astronomy and Astrophysics, 2020, 642, A2.	5.1	53
54	Metis: the Solar Orbiter visible light and ultraviolet coronal imager. Astronomy and Astrophysics, 2020, 642, A10.	5.1	115

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55	Effect of metallicity on the detectability of rotational periods in solar-like stars. Astronomy and Astrophysics, 2020, 634, L9.	5.1	19
56	The Solar Orbiter EUI instrument: The Extreme Ultraviolet Imager. Astronomy and Astrophysics, 2020, 642, A8.	5.1	185
57	Power spectrum of turbulent convection in the solar photosphere. Astronomy and Astrophysics, 2020, 644, A44.	5.1	5
58	How faculae and network relate to sunspots, and the implications for solar and stellar brightness variations. Astronomy and Astrophysics, 2020, 639, A139.	5.1	11
59	Magnetohydrostatic modeling of AR11768 based on a SUNRISE/IMaX vector magnetogram. Astronomy and Astrophysics, 2020, 640, A103.	5.1	11
60	No universal connection between the vertical magnetic field and the umbra-penumbra boundary in sunspots. Astronomy and Astrophysics, 2020, 639, A106.	5.1	6
61	The Solar Orbiter Science Activity Plan. Astronomy and Astrophysics, 2020, 642, A3.	5.1	67
62	Impulsive coronal heating during the interaction of surface magnetic fields in the lower solar atmosphere. Astronomy and Astrophysics, 2020, 644, A130.	5.1	18
63	PMI: The Photospheric Magnetic Field Imager. Journal of Space Weather and Space Climate, 2020, 10, 54.	3.3	7
64	On the Magnetic Nature of an Exploding Granule as Revealed by Sunrise/IMaX. Astrophysical Journal, 2020, 896, 62.	4.5	6
65	Solar Disk Center Shows Scattering Polarization in the Sr i 4607 Ã... Line. Astrophysical Journal Letters, 2020, 893, L44.	8.3	7
66	Amplification of Brightness Variability by Active-region Nesting in Solar-like Stars. Astrophysical Journal Letters, 2020, 901, L12.	8.3	21
67	The magnetic fine structure of the Sunâ€™s polar region as revealed by Sunrise. Astronomy and Astrophysics, 2020, 644, A86.	5.1	4
68	Inflection point in the power spectrum of stellar brightness variations. Astronomy and Astrophysics, 2020, 642, A225.	5.1	4
69	Recovering the unsigned photospheric magnetic field from Ca II K observations. Astronomy and Astrophysics, 2019, 626, A114.	5.1	26
70	Achievements of Hinode in the first eleven years. Publication of the Astronomical Society of Japan, 2019, 71, .	2.5	69
71	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
72	Intensity contrast of solar plage as a function of magnetic flux at high spatial resolution. Astronomy and Astrophysics, 2019, 621, A78.	5.1	8

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73	The potential of many-line inversions of photospheric spectropolarimetric data in the visible and near UV. Astronomy and Astrophysics, 2019, 622, A36.	5.1	11
74	ALMA Detection of Dark Chromospheric Holes in the Quiet Sun. Astrophysical Journal Letters, 2019, 877, L26.	8.3	25
75	Cancelation of small-scale magnetic features. Astronomy and Astrophysics, 2019, 622, A200.	5.1	8
76	Fast downflows in a chromospheric filament. Proceedings of the International Astronomical Union, 2019, 15, 454-457.	0.0	0
77	Analysis of full disc Ca II K spectroheliograms. Astronomy and Astrophysics, 2019, 625, A69.	5.1	41
78	Opacity distribution functions for stellar spectra synthesis. Astronomy and Astrophysics, 2019, 627, A157.	5.1	8
79	Superstrong photospheric magnetic fields in sunspot penumbrae. Astronomy and Astrophysics, 2019, 631, A99.	5.1	11
80	Readdressing the UV solar variability with SATIRE-S: non-LTE effects. Astronomy and Astrophysics, 2019, 631, A178.	5.1	12
81	The Sun's Atmosphere. , 2019, , 59-85.		1
82	A comparison between solar plage and network properties. Astronomy and Astrophysics, 2019, 630, A86.	5.1	10
83	Frequently Occurring Reconnection Jets from Sunspot Light Bridges. Astrophysical Journal, 2018, 854, 92.	4.5	70
84	Evershed and Counter-Evershed Flows in Sunspot MHD Simulations. Astrophysical Journal, 2018, 852, 66.	4.5	14
85	The Influence of Metallicity on Stellar Differential Rotation and Magnetic Activity. Astrophysical Journal, 2018, 852, 46.	4.5	67
86	Emission of solar chromospheric and transition region features related to the underlying magnetic field. Astronomy and Astrophysics, 2018, 619, A5.	5.1	18
87	Forward modelling of brightness variations in Sun-like stars. Astronomy and Astrophysics, 2018, 620, A177.	5.1	32
88	The potential of Ca II K observations for solar activity and variability studies. Proceedings of the International Astronomical Union, 2018, 13, 115-120.	0.0	4
89	Nature of the energy source powering solar coronal loops driven by nanoflares. Astronomy and Astrophysics, 2018, 615, L9.	5.1	56
90	Ca II K spectroheliograms for studies of long-term changes in solar irradiance. Proceedings of the International Astronomical Union, 2018, 13, 125-128.	0.0	10

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91	Solar total and spectral irradiance reconstruction over the last 9000 years. Astronomy and Astrophysics, 2018, 620, A120.	5.1	76
92	From solar to stellar brightness variations. Astronomy and Astrophysics, 2018, 619, A146.	5.1	29
93	Analysis of full disc Ca II K spectroheliograms. Astronomy and Astrophysics, 2018, 609, A92.	5.1	25
94	Dark Structures in Sunspot Light Bridges. Astrophysical Journal, 2018, 865, 29.	4.5	11
95	Observations of solar chromospheric heating at sub-arcsec spatial resolution. Astronomy and Astrophysics, 2018, 617, A128.	5.1	9
96	Temporal evolution of arch filaments as seen in Heâ€¯I 10 830 Ã…. Astronomy and Astrophysics, 2018, 617, A55.	5.1	14
97	Quiet-Sun and Coronal Hole in Mg II k Line as Observed by IRIS. Astrophysical Journal, 2018, 864, 21.	4.5	11
98	Measuring the Wilson depression of sunspots using the divergence-free condition of the magnetic field vector. Astronomy and Astrophysics, 2018, 619, A42.	5.1	13
99	Solar polarimetry in the KÂI D₂ line : A novel possibility for a stratospheric balloon. Astronomy and Astrophysics, 2018, 610, A79.	5.1	5
100	Solar activity over nine millennia: A consistent multi-proxy reconstruction. Astronomy and Astrophysics, 2018, 615, A93.	5.1	66
101	Effect of Transport Coefficients on Excitation of Flare-induced Standing Slow-mode Waves in Coronal Loops. Astrophysical Journal, 2018, 860, 107.	4.5	24
102	Detection of spatially structured scattering polarization of Sr I 4607.3 Ã… with the Fast Solar Polarimeter. Astronomy and Astrophysics, 2018, 619, A179.	5.1	7
103	The High Resolution Telescope (HRT) of the Polarimetric and Helioseismic Imager (PHI) onboard Solar Orbiter. , 2018, , .		4
104	Solar Magnetoconvection and Small-Scale Dynamo. Space Science Reviews, 2017, 210, 275-316.	8.1	37
105	Vertical magnetic field gradient in the photospheric layers of sunspots. Astronomy and Astrophysics, 2017, 599, A35.	5.1	17
106	Statistical evolution of quiet-Sun small-scale magnetic features using Sunrise observations. Astronomy and Astrophysics, 2017, 598, A47.	5.1	16
107	The dark side of solar photosphericG-band bright points. Astronomy and Astrophysics, 2017, 598, A123.	5.1	10
108	The Second Flight of the Sunrise Balloon-borne Solar Observatory: Overview of Instrument Updates, the Flight, the Data, and First Results. Astrophysical Journal, Supplement Series, 2017, 229, 2.	7.7	80

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109	Brightness of Solar Magnetic Elements As a Function of Magnetic Flux at High Spatial Resolution. Astrophysical Journal, Supplement Series, 2017, 229, 12.	7.7	28
110	Lambda-shaped jets from a penumbral intrusion into a sunspot umbra: a possibility for magnetic reconnection. Astronomy and Astrophysics, 2017, 597, A127.	5.1	16
111	Photospheric Response to an Ellerman Bomb-like Eventâ€"An Analogy of Sunrise/IMaX Observations and MHD Simulations. Astrophysical Journal, Supplement Series, 2017, 229, 5.	7.7	16
112	Kinematics of Magnetic Bright Features in the Solar Photosphere. Astrophysical Journal, Supplement Series, 2017, 229, 8.	7.7	12
113	Millimeter radiation from a 3D model of the solar atmosphere. Astronomy and Astrophysics, 2017, 601, A43.	5.1	28
114	ALMA Discovery of Solar Umbral Brightness Enhancement at Î»Â=Â3 mm. Astrophysical Journal Letters, 2017, 841, L20.	8.3	14
115	Convectively Driven Sinks and Magnetic Fields in theÂQuiet-Sun. Astrophysical Journal, Supplement Series, 2017, 229, 14.	7.7	16
116	Spectropolarimetric Evidence for a Siphon Flow along an Emerging Magnetic Flux Tube. Astrophysical Journal, Supplement Series, 2017, 229, 15.	7.7	6
117	Estimation of the Magnetic Flux Emergence Rate in the Quiet Sun from Sunrise Data. Astrophysical Journal, Supplement Series, 2017, 229, 17.	7.7	28
118	A Tale of Two Emergences: Sunrise II Observations of Emergence Sites in a Solar Active Region. Astrophysical Journal, Supplement Series, 2017, 229, 3.	7.7	28
119	Magneto-static Modeling from Sunrise/IMaX: Application to an Active Region Observed with Sunrise II. Astrophysical Journal, Supplement Series, 2017, 229, 18.	7.7	21
120	A New MHD-assisted Stokes Inversion Technique. Astrophysical Journal, Supplement Series, 2017, 229, 16.	7.7	23
121	EMPIRE: A robust empirical reconstruction of solar irradiance variability. Journal of Geophysical Research: Space Physics, 2017, 122, 3888-3914.	2.4	39
122	Solar Coronal Loops Associated with Small-scale Mixed Polarity Surface Magnetic Fields. Astrophysical Journal, Supplement Series, 2017, 229, 4.	7.7	64
123	Fan Loops Observed by IRIS, EIS, and AIA. Astrophysical Journal, 2017, 835, 244.	4.5	14
124	The variability of magnetic activity in solarâ€type stars. Astronomische Nachrichten, 2017, 338, 753-772.	1.2	26
125	Three-dimensional magnetic structure of a sunspot: Comparison of the photosphere and upper chromosphere. Astronomy and Astrophysics, 2017, 604, A98.	5.1	17
126	Moving Magnetic Features Around a Pore. Astrophysical Journal, Supplement Series, 2017, 229, 13.	7.7	7

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127	Solar Irradiance Variability is Caused by the Magnetic Activity on the Solar Surface. Physical Review Letters, 2017, 119, 091102.	7.8	45
128	The nature of solar brightness variations. Nature Astronomy, 2017, 1, 612-616.	10.1	51
129	Oscillations on Width and Intensity of Slender Ca ii H Fibrils from Sunrise/SuFI. Astrophysical Journal, Supplement Series, 2017, 229, 7.	7.7	25
130	Solar ALMA Observations: Constraining the Chromosphere above Sunspots. Astrophysical Journal, 2017, 850, 35.	4.5	24
131	New reconstruction of the sunspot group numbers since 1739 using direct calibration and â€œbackboneâ€• methods. Astronomy and Astrophysics, 2017, 602, A69.	5.1	70
132	The Small-scale Structure of Photospheric Convection Retrieved by a Deconvolution Technique Applied to Hinode/SP Data. Astrophysical Journal, 2017, 849, 7.	4.5	17
133	High-frequency Oscillations in Small Magnetic Elements Observed with Sunrise/SuFI. Astrophysical Journal, Supplement Series, 2017, 229, 10.	7.7	38
134	Slender Ca ii H Fibrils Mapping Magnetic Fields in the Low Solar Chromosphere. Astrophysical Journal, Supplement Series, 2017, 229, 11.	7.7	34
135	Morphological Properties of Slender Ca H Fibrils Observed by Sunrise II. Astrophysical Journal, Supplement Series, 2017, 229, 6.	7.7	15
136	Transverse Oscillations in Slender Ca ii H Fibrils Observed with Sunrise/SuFI. Astrophysical Journal, Supplement Series, 2017, 229, 9.	7.7	39
137	Spectral variability of photospheric radiation due to faculae. Astronomy and Astrophysics, 2017, 605, A45.	5.1	34
138	Overview of the Special Issue on the First Science Results from the Second Flight of Sunrise. Astrophysical Journal, Supplement Series, 2017, 229, 1.	7.7	5
139	Probing photospheric magnetic fields with new spectral line pairs. Astronomy and Astrophysics, 2017, 608, A111.	5.1	11
140	The PMIP4 contribution to CMIP6 â€“ Part 3: The last millennium, scientific objective, and experimental design for the PMIP4 <i>past1000</i> simulations. Geoscientific Model Development, 2017, 10, 4005-4033.	3.6	155
141	Normal and counter Evershed flows in the photospheric penumbra of a sunspot. Astronomy and Astrophysics, 2017, 607, A36.	5.1	18
142	The Solar Ultraviolet Imaging Telescope On-Board Aditya-L1. Current Science, 2017, 113, 616.	0.8	13
143	The Maximum Entropy Limit of Small-scale Magnetic Field Fluctuations in the Quiet Sun. Astrophysical Journal, Supplement Series, 2017, 233, 5.	7.7	3
144	Helioseismology with Solar Orbiter. Space Sciences Series of ISSI, 2017, , 257-289.	0.0	0

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145	Variation of the Mnâ€‰I 539.4 nm line with the solar cycle. Astronomy and Astrophysics, 2016, 587, A33.	5.1	8
146	Diagnostics of Coronal Magnetic Fields through the Hanle Effect in UV and IR Lines. Frontiers in Astronomy and Space Sciences, 2016, 3, .	2.8	25
147	High-resolution, high-sensitivity, ground-based solar spectropolarimetry with a new fast imaging polarimeter. Astronomy and Astrophysics, 2016, 590, A89.	5.1	32
148	Formation of a solar HÎ±filament from orphan penumbrae. Astronomy and Astrophysics, 2016, 589, A31.	5.1	7
149	FORMATION OF THE PENUMBRA AND START OF THE EVERSHED FLOW. Astrophysical Journal, 2016, 825, 75.	4.5	32
150	Fitting peculiar spectral profiles in He <scp>I</scp> 10830 Ã... absorption features. Astronomische Nachrichten, 2016, 337, 1057-1063.	1.2	12
151	Horizontal flow fields in and around a small active region. Astronomy and Astrophysics, 2016, 596, A3.	5.1	13
152	Magnetic fields of opposite polarity in sunspot penumbrae. Astronomy and Astrophysics, 2016, 596, A4.	5.1	21
153	Active region fine structure observed at 0.08 arcsec resolution. Astronomy and Astrophysics, 2016, 596, A7.	5.1	23
154	The Laschamp geomagnetic excursion featured in nitrate record from EPICA-Dome C ice core. Scientific Reports, 2016, 6, 20235.	3.3	9
155	Reconstruction of spectral solar irradiance since 1700 from simulated magnetograms. Astronomy and Astrophysics, 2016, 590, A63.	5.1	34
156	Flow and magnetic field properties in the trailing sunspots of active region NOAA 12396. Astronomische Nachrichten, 2016, 337, 1090-1098.	1.2	1
157	Deep probing of the photospheric sunspot penumbra: no evidence of field-free gaps. Astronomy and Astrophysics, 2016, 596, A2.	5.1	29
158	Inference of magnetic fields in the very quiet Sun. Astronomy and Astrophysics, 2016, 596, A5.	5.1	24
159	Probing deep photospheric layers of the quiet Sun with high magnetic sensitivity. Astronomy and Astrophysics, 2016, 596, A6.	5.1	28
160	A New Calibrated Sunspot Group Series Since 1749: Statistics of Active Day Fractions. Solar Physics, 2016, 291, 2685-2708.	2.5	101
161	Relationship between supergranulation flows, magnetic cancellation and network flares. Astronomy and Astrophysics, 2016, 596, A15.	5.1	15
162	The Solar Ultraviolet Imaging Telescope onboard Aditya-L1. Proceedings of SPIE, 2016, , .	0.8	8

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163	Flows along arch filaments observed in the GRIS â€˜very fast spectroscopic modeâ€™. Proceedings of the International Astronomical Union, 2016, 12, 28-33.	0.0	0
164	Upper chromospheric magnetic field of a sunspot penumbra: observations of fine structure. Astronomy and Astrophysics, 2016, 596, A8.	5.1	20
165	Three-dimensional structure of a sunspot light bridge. Astronomy and Astrophysics, 2016, 596, A59.	5.1	41
166	Solar Science with the Atacama Large Millimeter/Submillimeter Arrayâ€”A New View of Our Sun. Space Science Reviews, 2016, 200, 1-73.	8.1	113
167	Are solar brightness variations faculae- or spot-dominated?. Astronomy and Astrophysics, 2016, 589, A46.	5.1	58
168	Depth-dependent global properties of a sunspot observed by Hinode using the Solar Optical Telescope/Spectropolarimeter. Astronomy and Astrophysics, 2015, 583, A119.	5.1	35
169	Millimeter radiation from a 3D model of the solar atmosphere. Astronomy and Astrophysics, 2015, 575, A15.	5.1	52
170	Simulated magnetic flows in the solar photosphere. Astronomy and Astrophysics, 2015, 574, A28.	5.1	14
171	The Maunder minimum (1645â€“1715) was indeed a grand minimum: A reassessment of multiple datasets. Astronomy and Astrophysics, 2015, 581, A95.	5.1	158
172	Three-dimensional non-LTE radiative transfer effects in Feâ€‰i lines. Astronomy and Astrophysics, 2015, 582, A101.	5.1	17
173	Sunspot areas and tilt angles for solar cycles 7â€“10. Astronomy and Astrophysics, 2015, 584, A73.	5.1	31
174	UV solar irradiance in observations and the NRLSSI and SATIREâ€s models. Journal of Geophysical Research: Space Physics, 2015, 120, 6055-6070.	2.4	38
175	Solar extreme ultraviolet variability of the quiet Sun. Astronomy and Astrophysics, 2015, 581, A51.	5.1	2
176	Centre-to-limb properties of small, photospheric quiet-Sun jets. Astronomy and Astrophysics, 2015, 574, A95.	5.1	7
177	The role of the Fraunhofer lines in solar brightness variability. Astronomy and Astrophysics, 2015, 581, A116.	5.1	29
178	MAGNETO-STATIC MODELING OF THE MIXED PLASMA BETA SOLAR ATMOSPHERE BASED ON SUNRISE/IMaX DATA. Astrophysical Journal, 2015, 815, 10.	4.5	23
179	ADAHELI+: exploring the fast, dynamic Sun in theÂx-ray, optical, and near-infrared. Journal of Astronomical Telescopes, Instruments, and Systems, 2015, 1, 044006.	1.8	8
180	Helioseismology with Solar Orbiter. Space Science Reviews, 2015, 196, 251-283.	8.1	17

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181	DYNAMICS OF MULTI-CORED MAGNETIC STRUCTURES IN THE QUIET SUN. Astrophysical Journal, 2015, 810, 79.	4.5	18
182	Properties of solar plage from a spatially coupled inversion of Hinode SP data. Astronomy and Astrophysics, 2015, 576, A27.	5.1	49
183	Magnetic Flux Transport at the Solar Surface. Space Sciences Series of ISSI, 2015, , 491-523.	0.0	0
184	Solar Magnetoconvection and Small-Scale Dynamo. Space Sciences Series of ISSI, 2015, , 275-316.	0.0	1
185	Comparison of solar photospheric bright points between Sunrise observations and MHD simulations. Astronomy and Astrophysics, 2014, 568, A13.	5.1	55
186	Modelling total solar irradiance since 1878 from simulated magnetograms. Astronomy and Astrophysics, 2014, 570, A23.	5.1	28
187	The chromosphere above sunspots at millimeter wavelengths. Astronomy and Astrophysics, 2014, 561, A133.	5.1	21
188	The magnetic field in the solar atmosphere. Astronomy and Astrophysics Review, 2014, 22, 1.	25.5	140
189	THE FORMATION AND DISINTEGRATION OF MAGNETIC BRIGHT POINTS OBSERVED BYSUNRISE/IMaX. Astrophysical Journal, 2014, 796, 79.	4.5	23
190	Solar Cycle Variation in Solar Irradiance. Space Science Reviews, 2014, 186, 137-167.	8.1	75
191	Magnetic Flux Transport at the Solar Surface. Space Science Reviews, 2014, 186, 491-523.	8.1	110
192	Search for Solar Axions by the CERN Axion Solar Telescope with<mml:math xmlns:mml="http://www.w3.org/1998/Math/MathML" display="inline"><mml:mrow><mml:mmultiscripts><mml:mrow><mml:mi>He</mml:mi></mml:mrow><mml:mprescripts /><mml:none /><mml:mrow><mml:mn>3</mml:mn></mml:mrow></mml:mmultiscripts></mml:mrow></mml:math>Buffer Gas: Closing the Hot Dark Matter Gap. Physical Review Letters, 2014, 112, 091302.	7.8	92
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